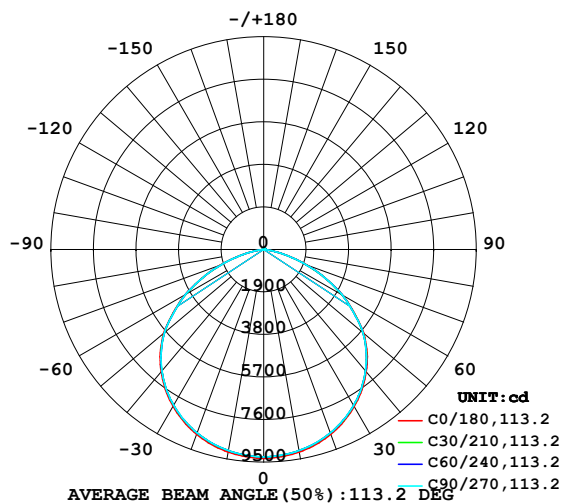


## LUMINAIRE PHOTOMETRIC TEST REPORT

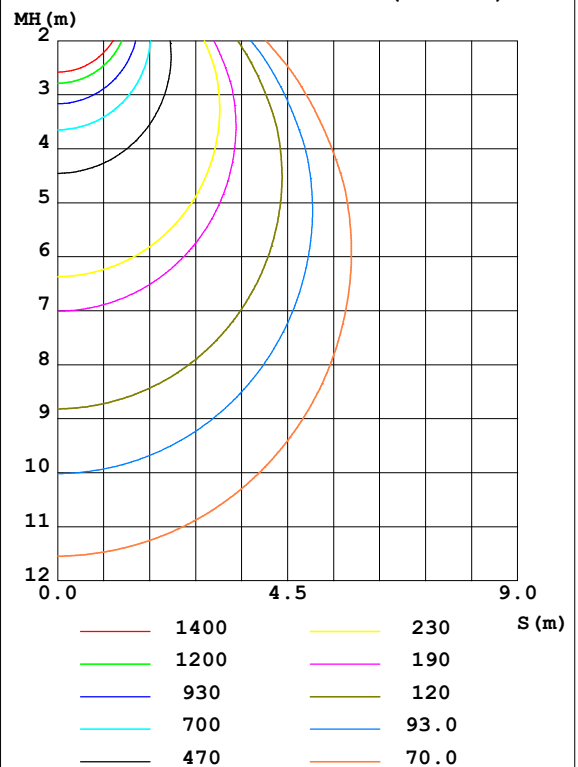
Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm		
NAME: H03DGC-15-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 174.46 lm/W			
MODEL		I <sub>max</sub> (cd)	9329	S/MH (C0/180)	1.29
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	26024	η UP,DN(C0-180)	0.5,49.5
NOMINAL FLUX(lm)	26023.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.5,49.5
LAMPS INSIDE	1	η up (%)	0.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down (%)	99.1	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: QC  
 Test Date: 2020-04-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 53.0%  
 Test Distance: 10.380m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

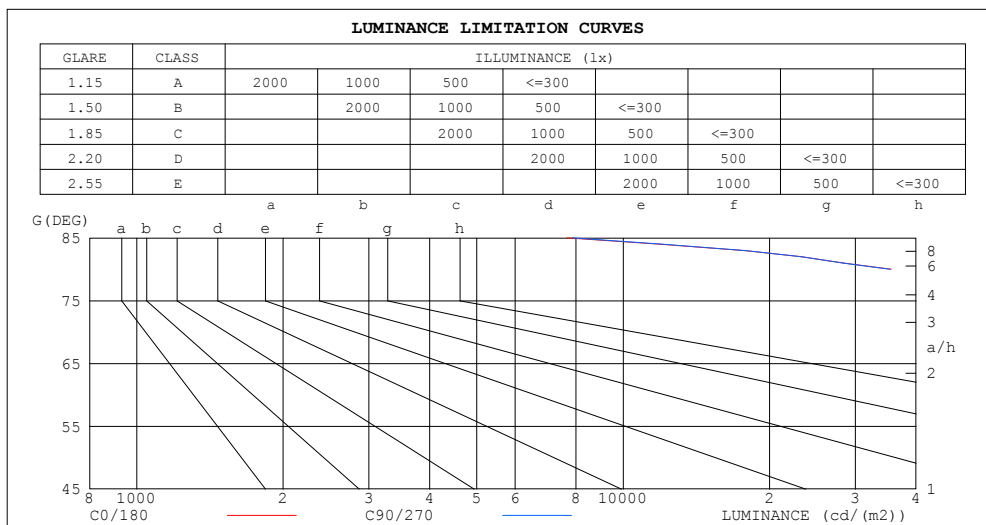
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	9185	9122	9119	9122	9185	9122	9119	9122	0- 10	877.7	877.7	3.37,3.37
20	8781	8722	8718	8722	8781	8722	8718	8722	10- 20	2531	3409	13.1,13.1
30	8099	8045	8041	8045	8099	8045	8041	8045	20- 30	3883	7292	28,28
40	7131	7082	7077	7082	7131	7082	7077	7082	30- 40	4757	12049	46.3,46.3
50	5839	5796	5796	5796	5839	5796	5796	5796	40- 50	5000	17049	65.5,65.5
60	4061	4029	4028	4029	4061	4029	4028	4029	50- 60	4394	21443	82.4,82.4
70	2069	2049	2051	2049	2069	2049	2051	2049	60- 70	2998	24441	93.9,93.9
80	407.4	405.7	405.0	405.7	407.4	405.7	405.0	405.7	70- 80	1224	25665	98.6,98.6
90	9.778	9.700	9.655	9.700	9.778	9.700	9.655	9.700	80- 90	112.7	25777	99.1,99.1
100	17.24	17.11	17.07	17.11	17.24	17.11	17.07	17.11	90-100	14.34	25792	99.1,99.1
110	26.96	26.76	26.73	26.76	26.96	26.76	26.73	26.76	100-110	23.05	25815	99.2,99.2
120	37.14	36.94	36.91	36.94	37.14	36.94	36.91	36.94	110-120	31.57	25846	99.3,99.3
130	47.05	46.75	46.78	46.75	47.05	46.75	46.78	46.75	120-130	37.47	25884	99.5,99.5
140	56.82	56.51	56.49	56.51	56.82	56.51	56.49	56.51	130-140	39.96	25924	99.6,99.6
150	66.05	65.81	65.74	65.81	66.05	65.81	65.74	65.81	140-150	38.36	25962	99.8,99.8
160	73.73	73.43	73.49	73.43	73.73	73.43	73.49	73.43	150-160	32.18	25994	99.9,99.9
170	79.82	79.32	79.32	79.32	79.82	79.32	79.32	79.32	160-170	21.61	26016	100,100
180	82.51	81.94	81.94	81.94	82.51	81.94	81.94	81.94	170-180	7.687	26024	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2020-04-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.380m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm		
NAME: H03DGC-15-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



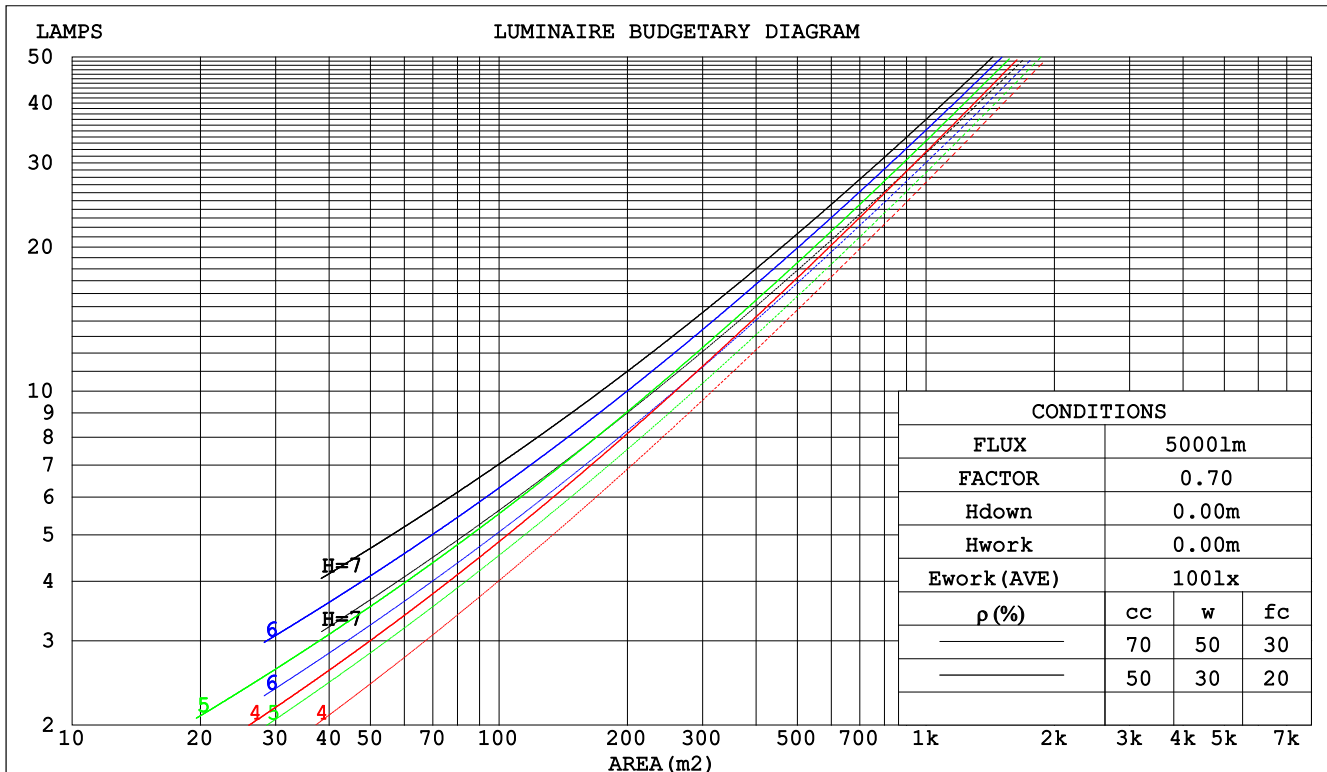
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: QC  
Test Date: 2020-04-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 53.0%  
Test Distance: 10.380m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm		
NAME: H03DGC-15-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio                      Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.05	1.01	.98	1.03	.99	.96	.98	.95	.93	.94	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.77	.74	.71
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.73	.68	.64	.71	.66	.63	.60
4.0	.72	.63	.57	.71	.63	.56	.68	.61	.56	.65	.60	.55	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.49	.61	.54	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.48	.42	.55	.48	.42	.53	.47	.42	.51	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.37	.50	.43	.37	.48	.42	.37	.47	.41	.36	.34
8.0	.48	.39	.34	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QC  
Test Date:2020-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:53.0%  
Test Distance:10.380m [K=1.0000]  
Remarks:

# WEC AND CCEC

Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm		
NAME: H03DGC-15-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.282	.161	.051	.275	.157	.050	.261	.150	.048	.249	.144	.046	.237	.138	.044	
2.0	.274	.150	.046	.267	.147	.045	.255	.142	.044	.244	.137	.043	.234	.132	.042	
3.0	.258	.137	.041	.252	.135	.041	.241	.131	.040	.231	.127	.039	.222	.123	.038	
4.0	.240	.125	.037	.235	.123	.036	.226	.120	.036	.217	.116	.035	.209	.113	.035	
5.0	.224	.114	.033	.219	.113	.033	.211	.110	.032	.203	.107	.032	.196	.105	.031	
6.0	.209	.105	.030	.205	.103	.030	.197	.101	.029	.190	.099	.029	.183	.097	.029	
7.0	.195	.096	.027	.191	.095	.027	.185	.093	.027	.178	.091	.027	.172	.090	.026	
8.0	.183	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.024	.162	.083	.024	
9.0	.172	.083	.023	.169	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.022	
10.0	.162	.077	.022	.159	.077	.021	.154	.075	.021	.149	.074	.021	.145	.073	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.198	.198	.198	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.186	.164	.144	.159	.140	.124	.109	.097	.086	.063	.056	.050	.020	.018	.016	
2.0	.177	.139	.107	.152	.120	.093	.104	.083	.065	.060	.048	.038	.019	.016	.012	
3.0	.169	.122	.083	.145	.105	.072	.100	.073	.051	.058	.043	.030	.019	.014	.010	
4.0	.162	.108	.067	.139	.093	.058	.096	.065	.041	.055	.038	.024	.018	.012	.008	
5.0	.155	.098	.056	.133	.085	.048	.092	.059	.034	.053	.035	.020	.017	.011	.007	
6.0	.148	.089	.047	.127	.077	.041	.088	.054	.029	.051	.032	.017	.016	.010	.006	
7.0	.141	.082	.041	.122	.071	.036	.084	.050	.025	.049	.030	.015	.016	.010	.005	
8.0	.135	.077	.037	.116	.067	.032	.081	.047	.023	.047	.028	.013	.015	.009	.004	
9.0	.129	.072	.033	.111	.062	.029	.077	.044	.020	.045	.026	.012	.015	.008	.004	
10.0	.124	.068	.030	.107	.059	.026	.074	.041	.019	.043	.024	.011	.014	.008	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QC  
Test Date:2020-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:53.0%  
Test Distance:10.380m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm										
NAME: H03DGC-15-R380-BO-40G-R8					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ERVAN					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	18.5	20.0	18.8	20.2	20.4	18.5	20.0	18.8	20.2	20.4
3H	19.6	21.0	19.9	21.2	21.5	19.6	20.9	19.9	21.2	21.4
4H	19.9	21.2	20.2	21.4	21.7	19.9	21.1	20.2	21.4	21.7
6H	19.9	21.1	20.3	21.4	21.7	19.9	21.1	20.3	21.4	21.7
8H	19.9	21.1	20.2	21.3	21.7	19.9	21.0	20.2	21.3	21.6
12H	19.8	21.0	20.2	21.3	21.6	19.8	20.9	20.2	21.2	21.6
4H 2H	19.0	20.3	19.3	20.5	20.8	19.0	20.3	19.3	20.5	20.8
3H	20.2	21.3	20.6	21.7	22.0	20.2	21.3	20.6	21.6	22.0
4H	20.6	21.6	21.0	21.9	22.3	20.6	21.6	20.9	21.9	22.3
6H	20.7	21.6	21.1	21.9	22.3	20.7	21.6	21.1	21.9	22.3
8H	20.7	21.5	21.1	21.9	22.3	20.6	21.5	21.1	21.8	22.3
12H	20.6	21.4	21.1	21.8	22.2	20.6	21.4	21.0	21.8	22.2
8H 4H	20.6	21.5	21.1	21.9	22.3	20.6	21.5	21.1	21.8	22.3
6H	20.8	21.5	21.2	21.9	22.3	20.8	21.5	21.2	21.9	22.3
8H	20.8	21.4	21.3	21.8	22.3	20.8	21.4	21.2	21.8	22.3
12H	20.8	21.3	21.2	21.7	22.2	20.7	21.3	21.2	21.7	22.2
12H 4H	20.6	21.4	21.1	21.8	22.2	20.6	21.4	21.0	21.8	22.2
6H	20.8	21.4	21.2	21.8	22.3	20.8	21.4	21.2	21.8	22.3
8H	20.8	21.3	21.3	21.7	22.2	20.8	21.3	21.2	21.7	22.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.5				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117, 26024 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 11.3)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QC  
Test Date:2020-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:53.0%  
Test Distance:10.380m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm		
NAME: H03DGC-15-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

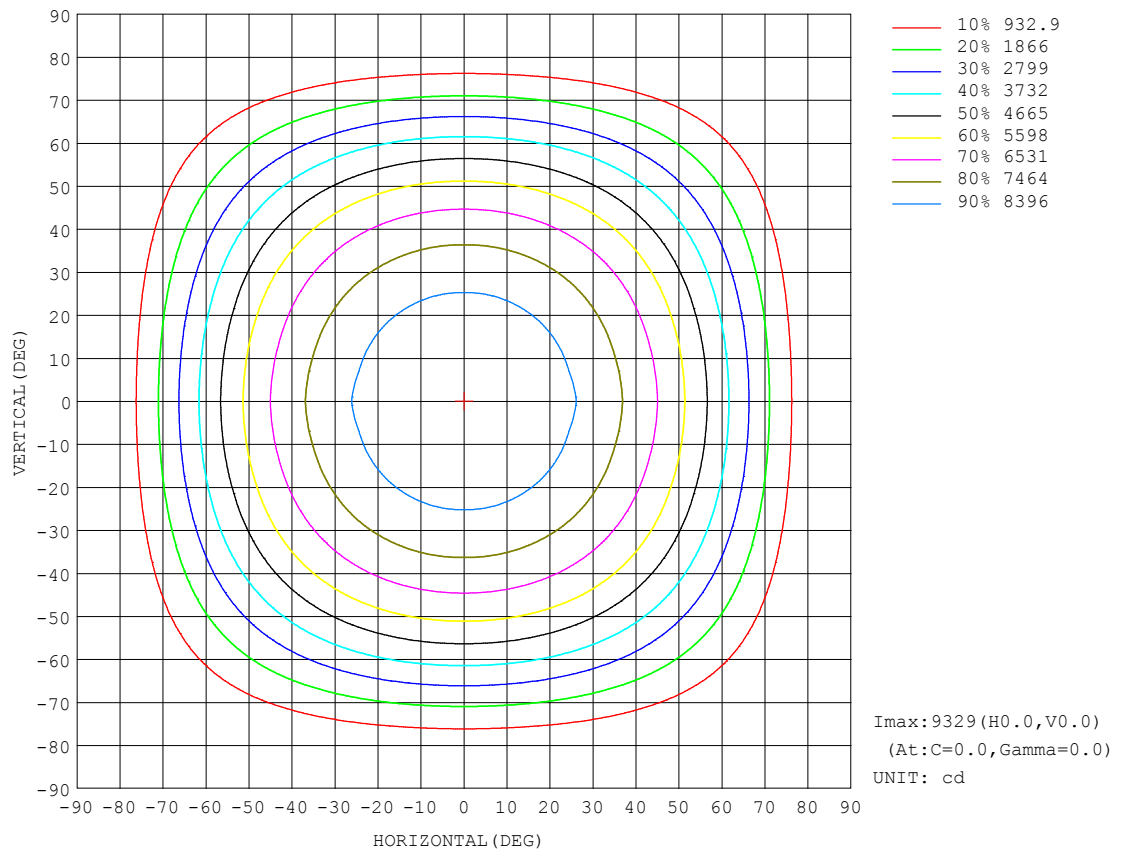
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	47	40	57	46	40	56	46	39	33
0.80	69	57	50	67	57	50	66	56	49	42
1.00	77	67	59	76	66	59	74	67	59	52
1.25	84	74	68	83	74	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	72	64
2.00	96	88	82	94	87	81	91	85	80	72
2.50	100	93	87	98	91	86	94	89	84	76
3.00	103	97	92	101	95	91	97	92	88	80
4.00	107	102	98	105	100	96	100	97	93	84
5.00	109	105	101	107	103	100	102	99	96	87
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: QC  
 Test Date: 2020-04-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 53.0%  
 Test Distance: 10.380m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm		
NAME: H03DGC-15-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



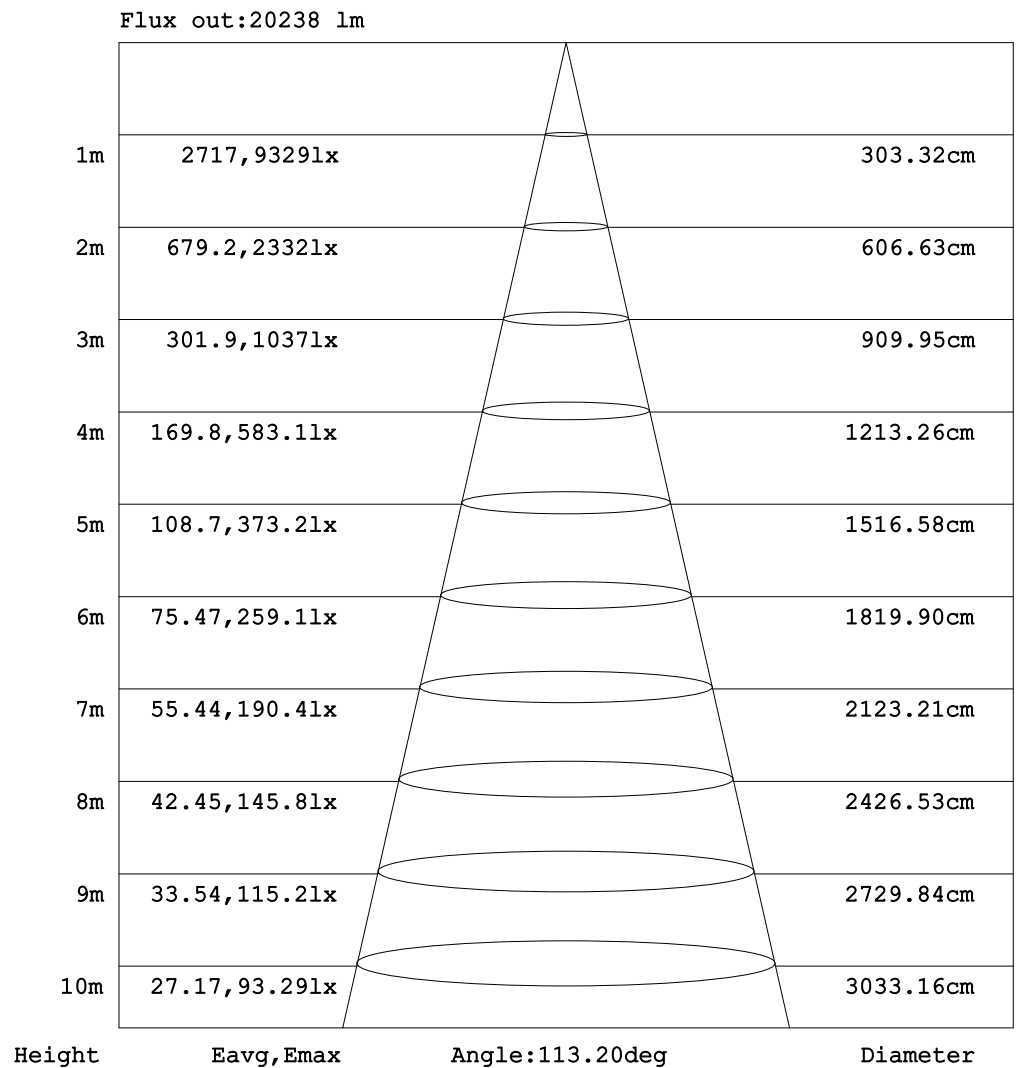
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: QC  
Test Date: 2020-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 53.0%  
Test Distance: 10.380m [K=1.0000]  
Remarks:



### AAI Figure

Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm		
NAME: H03DGC-15-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



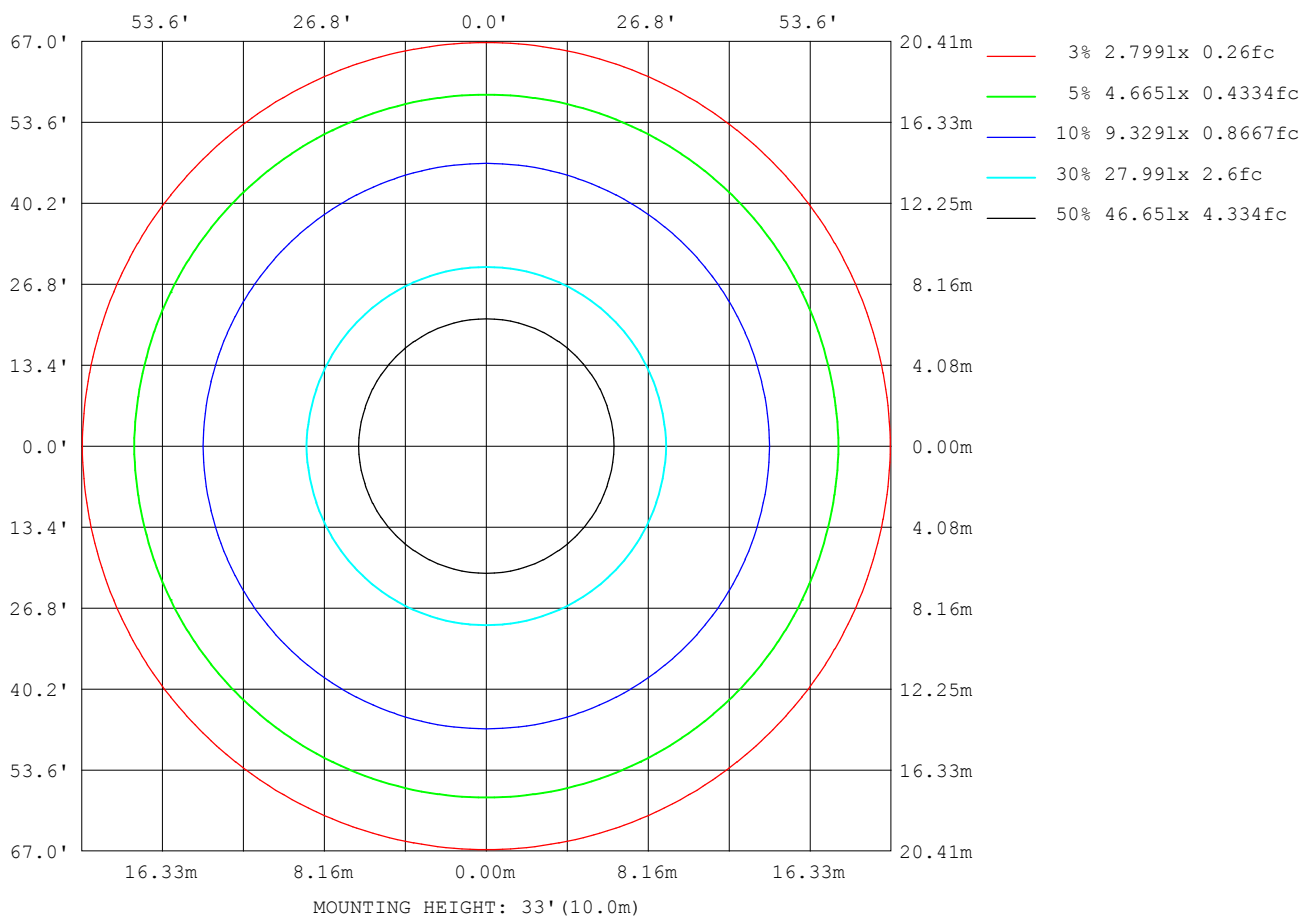
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QC  
Test Date:2020-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:53.0%  
Test Distance:10.380m [K=1.0000]  
Remarks:

# ISOLUX DIAGRAM

Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm		
NAME: H03DGC-15-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QC  
Test Date:2020-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:53.0%  
Test Distance:10.380m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm		
NAME: H03DGC-15-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

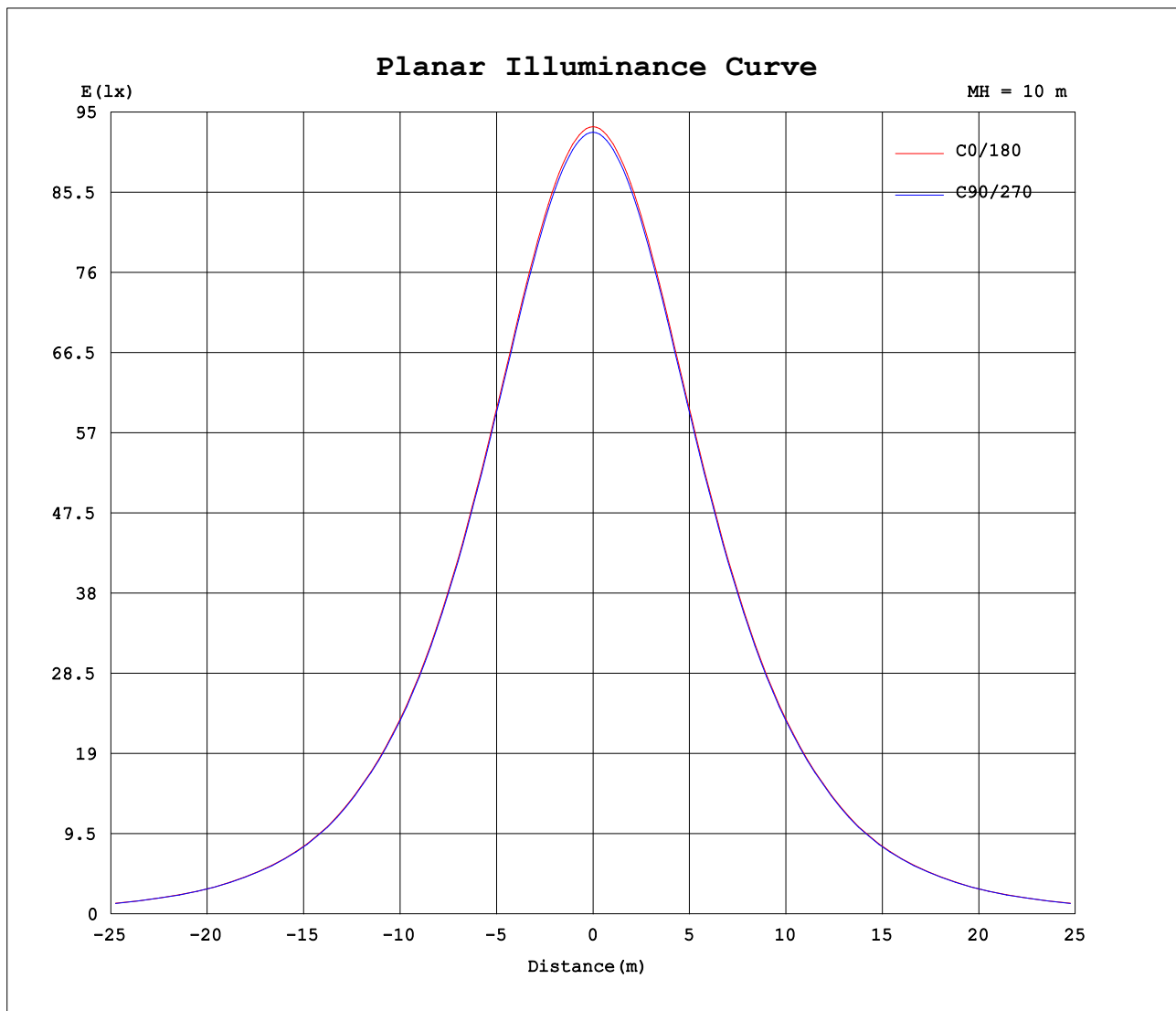
AvgL	cd/m2
L_0~180 (65) av	109203
L_0~180 (75) av	66745
L_0~180 (85) av	7663
L_90~270 (65) av	108467
L_90~270 (75) av	66170
L_90~270 (85) av	7862
L_45 (65) av	108356
L_45 (75) av	65877
L_45 (85) av	7804

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2020-04-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.380m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: QC  
Test Date: 2020-04-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 53.0%  
Test Distance: 10.380m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm																		
NAME: H03DGC-15-R380-BO-40G-R8										TYPE:					WEIGHT:			
SPEC.:										DIM.:					SERIAL No.:			
MFR.: ERVAN										SUR.:					Shielding Angle:			

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	9329	9268	9267	9266	9263	9266	9262	9266	9263	9266	9267	9268	9329	9268	9267	9266	9263	9266	9262
5	9287	9226	9225	9224	9221	9223	9220	9223	9221	9224	9225	9226	9287	9226	9225	9224	9221	9223	9220
10	9185	9124	9123	9122	9120	9122	9119	9122	9120	9122	9123	9124	9185	9124	9123	9122	9120	9122	9119
15	9019	8960	8959	8958	8956	8958	8954	8958	8956	8958	8959	8960	9019	8960	8959	8958	8956	8958	8954
20	8781	8724	8723	8722	8720	8722	8718	8722	8720	8722	8723	8724	8781	8724	8723	8722	8720	8722	8718
25	8475	8420	8419	8417	8415	8417	8414	8417	8415	8417	8419	8420	8475	8420	8419	8417	8415	8417	8414
30	8099	8047	8047	8045	8042	8045	8041	8045	8042	8045	8047	8047	8099	8047	8047	8045	8042	8045	8041
35	7653	7603	7602	7602	7599	7601	7597	7601	7599	7602	7602	7603	7653	7603	7602	7602	7599	7601	7597
40	7131	7083	7082	7082	7080	7081	7077	7081	7080	7082	7082	7083	7131	7083	7082	7082	7080	7081	7077
45	6536	6489	6487	6486	6485	6485	6483	6485	6485	6486	6487	6489	6536	6489	6487	6486	6485	6485	6483
50	5839	5797	5793	5796	5795	5797	5796	5797	5795	5796	5793	5797	5839	5797	5793	5796	5795	5797	5796
55	4943	4911	4912	4910	4910	4910	4909	4910	4910	4910	4912	4911	4943	4911	4912	4910	4910	4910	4909
60	4061	4030	4031	4029	4028	4031	4028	4031	4028	4029	4031	4030	4061	4030	4031	4029	4028	4031	4028
65	3046	3024	3024	3022	3023	3022	3025	3022	3023	3022	3024	3024	3046	3024	3024	3022	3023	3022	3025
70	2069	2049	2050	2049	2049	2050	2051	2050	2049	2049	2050	2049	2069	2049	2050	2049	2049	2050	2051
75	1140	1132	1129	1125	1129	1126	1130	1126	1129	1125	1129	1132	1140	1132	1129	1125	1129	1126	1130
80	407	406	404	406	405	405	405	405	405	406	404	406	407	406	404	406	405	405	405
85	44.1	44.6	45.6	44.9	44.8	44.5	45.2	44.5	44.8	44.9	45.6	44.6	44.1	44.6	45.6	44.9	44.8	44.5	45.2
90	9.78	9.68	9.66	9.70	9.65	9.70	9.65	9.70	9.65	9.70	9.66	9.68	9.78	9.68	9.66	9.70	9.65	9.70	9.65
95	13.1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.1	13.0	13.0	13.0	13.0	13.0	13.0
100	17.2	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.2	17.1	17.1	17.1	17.1	17.1	17.1
105	21.9	21.8	21.7	21.6	21.7	21.8	21.7	21.8	21.7	21.6	21.7	21.8	21.9	21.8	21.7	21.6	21.7	21.8	21.7
110	27.0	26.8	26.7	26.8	26.7	26.8	26.7	26.8	26.7	26.8	26.7	26.8	27.0	26.8	26.7	26.8	26.7	26.8	26.7
115	32.1	31.9	31.9	31.9	31.8	31.9	31.8	31.9	31.8	31.9	31.9	31.9	32.1	31.9	31.9	31.9	31.8	31.9	31.8
120	37.1	36.9	36.9	36.9	36.9	37.0	36.9	37.0	36.9	36.9	36.9	36.9	37.1	36.9	36.9	36.9	36.9	37.0	36.9
125	42.1	41.8	41.9	41.8	41.8	41.8	41.9	41.8	41.8	41.8	41.9	41.8	42.1	41.8	41.9	41.8	41.8	41.8	41.9
130	47.1	46.7	46.8	46.7	46.7	46.8	46.8	46.8	46.7	46.7	46.8	46.7	47.1	46.7	46.8	46.7	46.7	46.8	46.8
135	52.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.1	51.8	51.8	51.8	51.8	51.8	51.8
140	56.8	56.4	56.5	56.5	56.4	56.5	56.5	56.5	56.4	56.5	56.5	56.4	56.8	56.4	56.5	56.5	56.4	56.5	56.5
145	61.7	61.3	61.3	61.3	61.4	61.4	61.3	61.4	61.4	61.3	61.3	61.3	61.7	61.3	61.3	61.3	61.4	61.4	61.3
150	66.0	65.7	65.8	65.8	65.8	65.8	65.7	65.8	65.8	65.8	65.8	65.7	66.0	65.7	65.8	65.8	65.8	65.8	65.7
155	70.1	69.7	69.8	69.8	69.7	69.8	69.8	69.8	69.7	69.8	69.8	69.7	70.1	69.7	69.8	69.8	69.7	69.8	69.8
160	73.7	73.4	73.5	73.4	73.4	73.5	73.5	73.5	73.4	73.4	73.5	73.4	73.7	73.4	73.5	73.4	73.4	73.5	73.5
165	76.9	76.5	76.6	76.6	76.5	76.6	76.6	76.6	76.5	76.6	76.6	76.5	76.9	76.5	76.6	76.6	76.5	76.6	76.6
170	79.8	79.3	79.4	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.3	79.8	79.3	79.4	79.3	79.3	79.3	79.3
175	81.6	81.0	81.1	81.0	80.9	81.0	81.0	81.0	80.9	81.0	81.1	81.0	81.6	81.0	81.1	81.0	80.9	81.0	81.0
180	82.5	82.0	82.0	81.9	81.8	81.9	81.9	81.9	81.8	81.9	82.0	82.0	82.5	82.0	82.0	81.9	81.8	81.9	81.9

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QC  
Test Date:2020-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:53.0%  
Test Distance:10.380m [K=1.0000]  
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.5V I:0.6794A P:149.2W PF:0.9528 Freq:49.99Hz Lamp Flux:26023.6x1 lm		
NAME: H03DGC-15-R380-BO-40G-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	9266	9263	9266	9267	9268														
5	9223	9221	9224	9225	9226														
10	9122	9120	9122	9123	9124														
15	8958	8956	8958	8959	8960														
20	8722	8720	8722	8723	8724														
25	8417	8415	8417	8419	8420														
30	8045	8042	8045	8047	8047														
35	7601	7599	7602	7602	7603														
40	7081	7080	7082	7082	7083														
45	6485	6485	6486	6487	6489														
50	5797	5795	5796	5793	5797														
55	4910	4910	4910	4912	4911														
60	4031	4028	4029	4031	4030														
65	3022	3023	3022	3024	3024														
70	2050	2049	2049	2050	2049														
75	1126	1129	1125	1129	1132														
80	405	405	406	404	406														
85	44.5	44.8	44.9	45.6	44.6														
90	9.70	9.65	9.70	9.66	9.68														
95	13.0	13.0	13.0	13.0	13.0														
100	17.1	17.1	17.1	17.1	17.1														
105	21.8	21.7	21.6	21.7	21.8														
110	26.8	26.7	26.8	26.7	26.8														
115	31.9	31.8	31.9	31.9	31.9														
120	37.0	36.9	36.9	36.9	36.9														
125	41.8	41.8	41.8	41.9	41.8														
130	46.8	46.7	46.7	46.8	46.7														
135	51.8	51.8	51.8	51.8	51.8														
140	56.5	56.4	56.5	56.5	56.4														
145	61.4	61.4	61.3	61.3	61.3														
150	65.8	65.8	65.8	65.8	65.7														
155	69.8	69.7	69.8	69.8	69.7														
160	73.5	73.4	73.4	73.5	73.4														
165	76.6	76.5	76.6	76.6	76.5														
170	79.3	79.3	79.3	79.4	79.3														
175	81.0	80.9	81.0	81.1	81.0														
180	81.9	81.8	81.9	82.0	82.0														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QC  
Test Date:2020-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:53.0%  
Test Distance:10.380m [K=1.0000]  
Remarks:

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	9329	9268	9267	9266	9263	9266	9262	9266	9263	9266
3.0	9311	9250	9249	9248	9246	9248	9244	9248	9246	9248
6.0	9272	9210	9210	9208	9206	9208	9205	9208	9206	9208
9.0	9210	9150	9149	9148	9145	9148	9144	9148	9145	9148
12.0	9126	9067	9066	9064	9062	9064	9060	9064	9062	9064
15.0	9019	8960	8959	8958	8956	8958	8954	8958	8956	8958
18.0	8885	8827	8827	8825	8823	8825	8821	8825	8823	8825
21.0	8725	8668	8669	8666	8665	8667	8663	8667	8665	8666
24.0	8541	8486	8486	8483	8481	8484	8480	8484	8481	8483
27.0	8332	8278	8279	8277	8274	8276	8272	8276	8274	8277
30.0	8099	8047	8047	8045	8042	8045	8041	8045	8042	8045
33.0	7840	7789	7788	7788	7785	7787	7783	7787	7785	7788
36.0	7554	7504	7504	7504	7501	7503	7499	7503	7501	7504
39.0	7240	7192	7192	7191	7189	7191	7186	7191	7189	7191
42.0	6904	6857	6856	6856	6854	6854	6851	6854	6854	6856
45.0	6536	6489	6487	6486	6485	6485	6483	6485	6485	6486
48.0	6130	6086	6085	6085	6084	6086	6082	6086	6084	6085
51.0	5668	5626	5623	5626	5627	5629	5626	5629	5627	5626
54.0	5120	5088	5088	5086	5085	5087	5085	5087	5085	5086
57.0	4593	4561	4562	4561	4559	4561	4559	4561	4559	4561
60.0	4061	4030	4031	4029	4028	4031	4028	4031	4028	4029
63.0	3440	3417	3417	3415	3419	3418	3418	3418	3419	3415
66.0	2856	2832	2834	2832	2832	2830	2833	2830	2832	2832
69.0	2258	2238	2242	2240	2237	2242	2240	2242	2237	2240
72.0	1690	1671	1669	1668	1673	1672	1675	1672	1673	1668
75.0	1140	1132	1129	1125	1129	1126	1130	1126	1129	1125
78.0	661.0	656.1	656.4	655.1	655.1	653.7	656.2	653.7	655.1	655.1
81.0	293.7	291.5	291.6	291.8	291.6	291.2	293.1	291.2	291.6	291.8
84.0	82.46	83.30	83.49	82.84	82.74	83.44	83.53	83.44	82.74	82.84
87.0	15.33	15.38	15.37	15.38	15.37	15.40	15.29	15.40	15.37	15.38
90.0	9.778	9.684	9.664	9.700	9.647	9.696	9.655	9.696	9.647	9.700
93.0	11.69	11.57	11.57	11.60	11.56	11.59	11.55	11.59	11.56	11.60
96.0	13.88	13.77	13.76	13.84	13.75	13.79	13.75	13.79	13.75	13.84
99.0	16.36	16.23	16.22	16.24	16.20	16.24	16.21	16.24	16.20	16.24
102.0	19.06	18.92	18.89	18.92	18.87	18.92	18.87	18.92	18.87	18.92
105.0	21.94	21.76	21.74	21.61	21.72	21.78	21.72	21.78	21.72	21.61
108.0	24.92	24.72	24.70	24.73	24.69	24.75	24.69	24.75	24.69	24.73
111.0	27.78	27.78	27.76	27.78	27.73	27.79	27.74	27.79	27.73	27.78
114.0	31.06	30.84	30.84	30.85	30.82	30.86	30.83	30.86	30.82	30.85
117.0	34.13	33.90	33.90	33.92	33.88	33.93	33.89	33.93	33.88	33.92
120.0	37.14	36.92	36.93	36.94	36.91	36.95	36.91	36.95	36.91	36.94
123.0	40.09	39.84	39.94	39.89	39.86	39.89	39.93	39.89	39.86	39.89
126.0	43.06	42.78	42.90	42.82	42.86	42.83	42.89	42.83	42.86	42.82
129.0	46.07	45.74	45.80	45.76	45.73	45.79	45.81	45.79	45.73	45.76
132.0	49.10	48.75	48.77	48.74	48.73	48.79	48.75	48.79	48.73	48.74
135.0	52.13	51.80	51.80	51.80	51.76	51.82	51.76	51.82	51.76	51.80
138.0	54.92	54.61	54.65	54.64	54.63	54.67	54.62	54.67	54.63	54.64
141.0	57.78	57.39	57.45	57.46	57.47	57.49	57.45	57.49	57.47	57.46
144.0	60.71	60.30	60.31	60.36	60.40	60.41	60.34	60.41	60.40	60.36
147.0	63.46	63.08	63.10	63.17	63.17	63.17	63.08	63.17	63.17	63.17
150.0	66.05	65.72	65.77	65.81	65.79	65.81	65.74	65.81	65.79	65.81
153.0	68.53	68.16	68.24	68.25	68.23	68.27	68.23	68.27	68.23	68.25
156.0	70.83	70.50	70.57	70.54	70.51	70.57	70.56	70.57	70.51	70.54
159.0	73.04	72.70	72.79	72.75	72.69	72.79	72.79	72.79	72.69	72.75
162.0	75.08	74.71	74.80	74.75	74.70	74.80	74.82	74.80	74.70	74.75
165.0	76.94	76.54	76.64	76.59	76.55	76.62	76.62	76.62	76.55	76.59
168.0	78.78	78.30	78.39	78.32	78.28	78.35	78.33	78.35	78.28	78.32
171.0	80.22	79.70	79.78	79.71	79.66	79.71	79.70	79.71	79.66	79.71
174.0	81.37	80.84	80.92	80.80	80.66	80.81	80.83	80.81	80.66	80.80
177.0	81.97	81.48	81.52	81.42	81.25	81.42	81.45	81.42	81.25	81.42
180.0	82.51	82.00	82.00	81.94	81.78	81.93	81.94	81.93	81.78	81.94
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	9267	9268	9329	9268	9267	9266	9263	9266	9262	9266
3.0	9249	9250	9311	9250	9249	9248	9246	9248	9244	9248
6.0	9210	9210	9272	9210	9210	9208	9206	9208	9205	9208
9.0	9149	9150	9210	9150	9149	9148	9145	9148	9144	9148
12.0	9066	9067	9126	9067	9066	9064	9062	9064	9060	9064
15.0	8959	8960	9019	8960	8959	8958	8956	8958	8954	8958
18.0	8827	8827	8885	8827	8827	8825	8823	8825	8821	8825
21.0	8669	8668	8725	8668	8669	8666	8665	8667	8663	8667
24.0	8486	8486	8541	8486	8486	8483	8481	8484	8480	8484
27.0	8279	8278	8332	8278	8279	8277	8274	8276	8272	8277
30.0	8047	8047	8099	8047	8047	8045	8042	8045	8041	8045

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: QC  
 Test Date: 2020-04-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 53.0%  
 Test Distance: 10.380m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

33.0	7788	7789	7840	7789	7788	7788	7785	7787	7783	7787
36.0	7504	7504	7554	7504	7504	7504	7501	7503	7499	7503
39.0	7192	7192	7240	7192	7192	7191	7189	7191	7186	7191
42.0	6856	6857	6904	6857	6856	6856	6854	6854	6851	6854
45.0	6487	6489	6536	6489	6487	6486	6485	6485	6483	6485
48.0	6085	6086	6130	6086	6085	6085	6084	6086	6082	6086
51.0	5623	5626	5668	5626	5623	5626	5627	5629	5626	5629
54.0	5088	5088	5120	5088	5088	5086	5085	5087	5085	5087
57.0	4562	4561	4593	4561	4562	4561	4559	4561	4559	4561
60.0	4031	4030	4061	4030	4031	4029	4028	4031	4028	4031
63.0	3417	3417	3440	3417	3417	3415	3419	3418	3418	3418
66.0	2834	2832	2856	2832	2834	2832	2832	2830	2833	2830
69.0	2242	2238	2258	2238	2242	2240	2237	2242	2240	2242
72.0	1669	1671	1690	1671	1669	1668	1673	1672	1675	1672
75.0	1129	1132	1140	1132	1129	1125	1129	1126	1130	1126
78.0	656.4	656.1	661.0	656.1	656.4	655.1	655.1	653.7	656.2	653.7
81.0	291.6	291.5	293.7	291.5	291.6	291.8	291.6	291.2	293.1	291.2
84.0	83.49	83.30	82.46	83.30	83.49	82.84	82.74	83.44	83.53	83.44
87.0	15.37	15.38	15.33	15.38	15.37	15.38	15.37	15.40	15.29	15.40
90.0	9.664	9.684	9.778	9.684	9.664	9.700	9.647	9.696	9.655	9.696
93.0	11.57	11.57	11.69	11.57	11.57	11.60	11.56	11.59	11.55	11.59
96.0	13.76	13.77	13.88	13.77	13.76	13.84	13.75	13.79	13.75	13.79
99.0	16.22	16.23	16.36	16.23	16.22	16.24	16.24	16.24	16.21	16.24
102.0	18.89	18.92	19.06	18.92	18.89	18.92	18.87	18.92	18.87	18.92
105.0	21.74	21.76	21.94	21.76	21.74	21.74	21.72	21.78	21.72	21.78
108.0	24.70	24.72	24.92	24.72	24.70	24.73	24.69	24.75	24.69	24.75
111.0	27.76	27.78	27.98	27.78	27.76	27.78	27.73	27.79	27.74	27.79
114.0	30.84	30.84	31.06	30.84	30.84	30.85	30.82	30.86	30.83	30.86
117.0	33.90	33.90	34.13	33.90	33.90	33.92	33.88	33.93	33.89	33.93
120.0	36.93	36.92	37.14	36.92	36.93	36.94	36.91	36.95	36.91	36.95
123.0	39.94	39.84	40.09	39.84	39.94	39.89	39.86	39.89	39.93	39.89
126.0	42.90	42.78	43.06	42.78	42.90	42.82	42.86	42.83	42.89	42.83
129.0	45.80	45.74	46.07	45.74	45.80	45.76	45.73	45.79	45.81	45.79
132.0	48.77	48.75	49.10	48.75	48.77	48.74	48.73	48.79	48.75	48.79
135.0	51.80	51.80	52.13	51.80	51.80	51.80	51.76	51.82	51.76	51.82
138.0	54.65	54.61	54.92	54.61	54.65	54.64	54.63	54.67	54.62	54.67
141.0	57.45	57.39	57.78	57.39	57.45	57.46	57.47	57.49	57.45	57.49
144.0	60.31	60.30	60.71	60.30	60.31	60.36	60.40	60.41	60.34	60.41
147.0	63.10	63.08	63.46	63.08	63.10	63.17	63.17	63.17	63.08	63.17
150.0	65.77	65.72	66.05	65.72	65.77	65.81	65.79	65.81	65.74	65.81
153.0	68.24	68.16	68.53	68.16	68.24	68.25	68.23	68.27	68.23	68.27
156.0	70.57	70.50	70.83	70.50	70.57	70.54	70.51	70.57	70.56	70.57
159.0	72.79	72.70	73.04	72.70	72.79	72.75	72.69	72.79	72.79	72.79
162.0	74.80	74.71	75.08	74.71	74.80	74.75	74.70	74.80	74.82	74.80
165.0	76.64	76.54	76.94	76.54	76.64	76.59	76.55	76.62	76.62	76.62
168.0	78.39	78.30	78.78	78.30	78.39	78.32	78.28	78.35	78.33	78.35
171.0	79.78	79.70	80.22	79.70	79.78	79.71	79.66	79.71	79.70	79.71
174.0	80.92	80.84	81.37	80.84	80.92	80.80	80.66	80.81	80.83	80.81
177.0	81.52	81.48	81.97	81.48	81.52	81.42	81.25	81.42	81.45	81.42
180.0	82.00	82.00	82.51	82.00	82.00	81.94	81.78	81.93	81.94	81.93
G/C	300.0	315.0	330.0	345.0						
0.0	9263	9266	9267	9268						
3.0	9246	9248	9249	9250						
6.0	9206	9208	9210	9210						
9.0	9145	9148	9149	9150						
12.0	9062	9064	9066	9067						
15.0	8956	8958	8959	8960						
18.0	8823	8825	8827	8827						
21.0	8665	8666	8669	8668						
24.0	8481	8483	8486	8486						
27.0	8274	8277	8279	8278						
30.0	8042	8045	8047	8047						
33.0	7785	7788	7788	7789						
36.0	7501	7504	7504	7504						
39.0	7189	7191	7192	7192						
42.0	6854	6856	6856	6857						
45.0	6485	6486	6487	6489						
48.0	6084	6085	6085	6086						
51.0	5627	5626	5623	5626						
54.0	5085	5086	5088	5088						
57.0	4559	4561	4562	4561						
60.0	4028	4029	4031	4030						
63.0	3419	3415	3417	3417						
66.0	2832	2832	2834	2832						

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: QC  
 Test Date: 2020-04-07

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 53.0%  
 Test Distance: 10.380m [K=1.0000]  
 Remarks:



## Photometric Data Table [cd]

69.0	2237	2240	2242	2238
72.0	1673	1668	1669	1671
75.0	1129	1125	1129	1132
78.0	655.1	655.1	656.4	656.1
81.0	291.6	291.8	291.6	291.5
84.0	82.74	82.84	83.49	83.30
87.0	15.37	15.38	15.37	15.38
90.0	9.647	9.700	9.664	9.684
93.0	11.56	11.60	11.57	11.57
96.0	13.75	13.84	13.76	13.77
99.0	16.20	16.24	16.22	16.23
102.0	18.87	18.92	18.89	18.92
105.0	21.72	21.61	21.74	21.76
108.0	24.69	24.73	24.70	24.72
111.0	27.73	27.78	27.76	27.78
114.0	30.82	30.85	30.84	30.84
117.0	33.88	33.92	33.90	33.90
120.0	36.91	36.94	36.93	36.92
123.0	39.86	39.89	39.94	39.84
126.0	42.86	42.82	42.90	42.78
129.0	45.73	45.76	45.80	45.74
132.0	48.73	48.74	48.77	48.75
135.0	51.76	51.80	51.80	51.80
138.0	54.63	54.64	54.65	54.61
141.0	57.47	57.46	57.45	57.39
144.0	60.40	60.36	60.31	60.30
147.0	63.17	63.17	63.10	63.08
150.0	65.79	65.81	65.77	65.72
153.0	68.23	68.25	68.24	68.16
156.0	70.51	70.54	70.57	70.50
159.0	72.69	72.75	72.79	72.70
162.0	74.70	74.75	74.80	74.71
165.0	76.55	76.59	76.64	76.54
168.0	78.28	78.32	78.39	78.30
171.0	79.66	79.71	79.78	79.70
174.0	80.66	80.80	80.92	80.84
177.0	81.25	81.42	81.52	81.48
180.0	81.78	81.94	82.00	82.00

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QC  
Test Date:2020-04-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:53.0%  
Test Distance:10.380m [K=1.0000]  
Remarks: