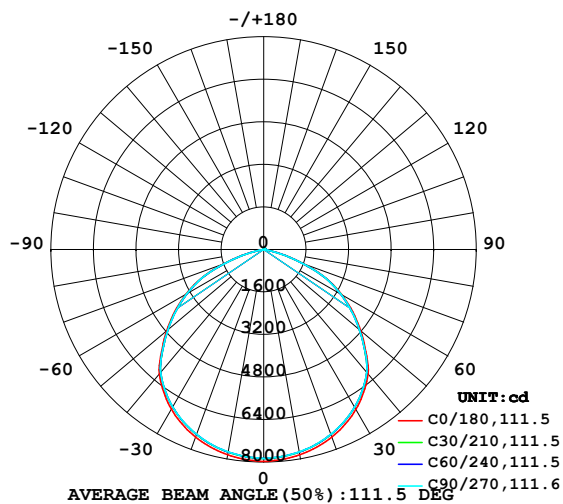


LUMINAIRE PHOTOMETRIC TEST REPORT

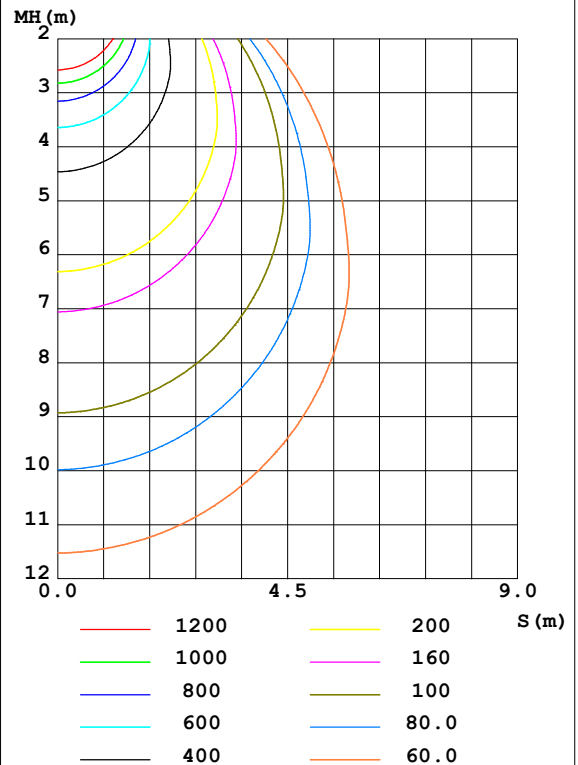
Test:U:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm		
NAME: H09EGZ-15DH-R360-2313030R7-120°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.78 lm/W			
MODEL		I _{max} (cd)	7968	S/MH (C0/180)	1.29
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE(V)	110	TOTAL FLUX(lm)	21513	η UP,DN(C0-180)	0.5,49.5
NOMINAL FLUX(lm)	21513.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.5,49.5
LAMPS INSIDE	1	η up(%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	110	η down(%)	99.0	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: 2018-12-06

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:

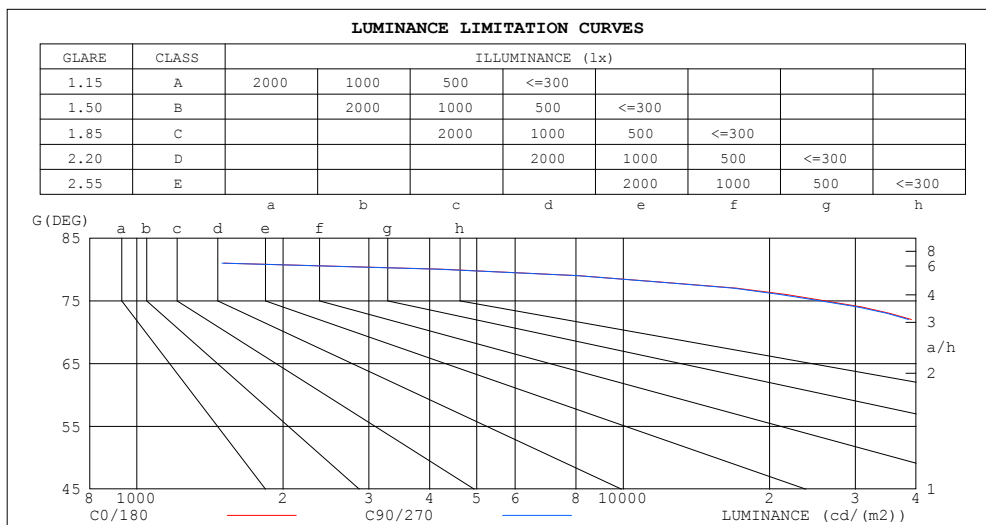
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	7842	7736	7732	7736	7842	7736	7732	7736	0- 10	744.8	744.8	3.46, 3.46
20	7505	7402	7398	7402	7505	7402	7398	7402	10- 20	2148	2893	13.4, 13.4
30	6941	6849	6847	6849	6941	6849	6847	6849	20- 30	3303	6196	28.8, 28.8
40	6112	6033	6033	6033	6112	6033	6033	6033	30- 40	4055	10251	47.7, 47.7
50	4770	4709	4709	4709	4770	4709	4709	4709	40- 50	4159	14410	67, 67
60	3385	3326	3335	3326	3385	3326	3335	3326	50- 60	3608	18018	83.8, 83.8
70	1627	1601	1600	1601	1627	1601	1600	1601	60- 70	2502	20520	95.4, 95.4
80	75.25	87.45	74.10	87.45	75.25	87.45	74.10	87.45	70- 80	772.4	21292	99, 99
90	7.609	7.494	7.514	7.494	7.609	7.494	7.514	7.494	80- 90	13.62	21306	99, 99
100	13.92	13.74	13.74	13.74	13.92	13.74	13.74	13.74	90-100	11.32	21317	99.1, 99.1
110	22.35	22.07	22.07	22.07	22.35	22.07	22.07	22.07	100-110	18.80	21336	99.2, 99.2
120	31.21	31.02	31.04	31.02	31.21	31.02	31.04	31.02	110-120	26.35	21362	99.3, 99.3
130	40.17	39.70	39.69	39.70	40.17	39.70	39.69	39.70	120-130	31.63	21394	99.4, 99.4
140	48.56	47.92	47.96	47.92	48.56	47.92	47.96	47.92	130-140	33.91	21428	99.6, 99.6
150	56.81	56.05	56.05	56.05	56.81	56.05	56.05	56.05	140-150	32.67	21461	99.8, 99.8
160	63.36	62.40	62.43	62.40	63.36	62.40	62.43	62.40	150-160	27.40	21488	99.9, 99.9
170	68.38	67.39	67.38	67.39	68.38	67.39	67.38	67.39	160-170	18.39	21507	100, 100
180	71.16	70.08	69.89	70.08	71.16	70.08	69.89	70.08	170-180	6.572	21513	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: 2018-12-06

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:

LUMINANCE LIMITATION CURVES

Test:U:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm		
NAME: H09EGZ-15DH-R360-2313030R7-120°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	719	708
80	4249	4183
75	25799	25271
70	46639	45871
65	60922	59987
60	66382	65394
55	69896	68981
50	72752	71830
45	75374	74580

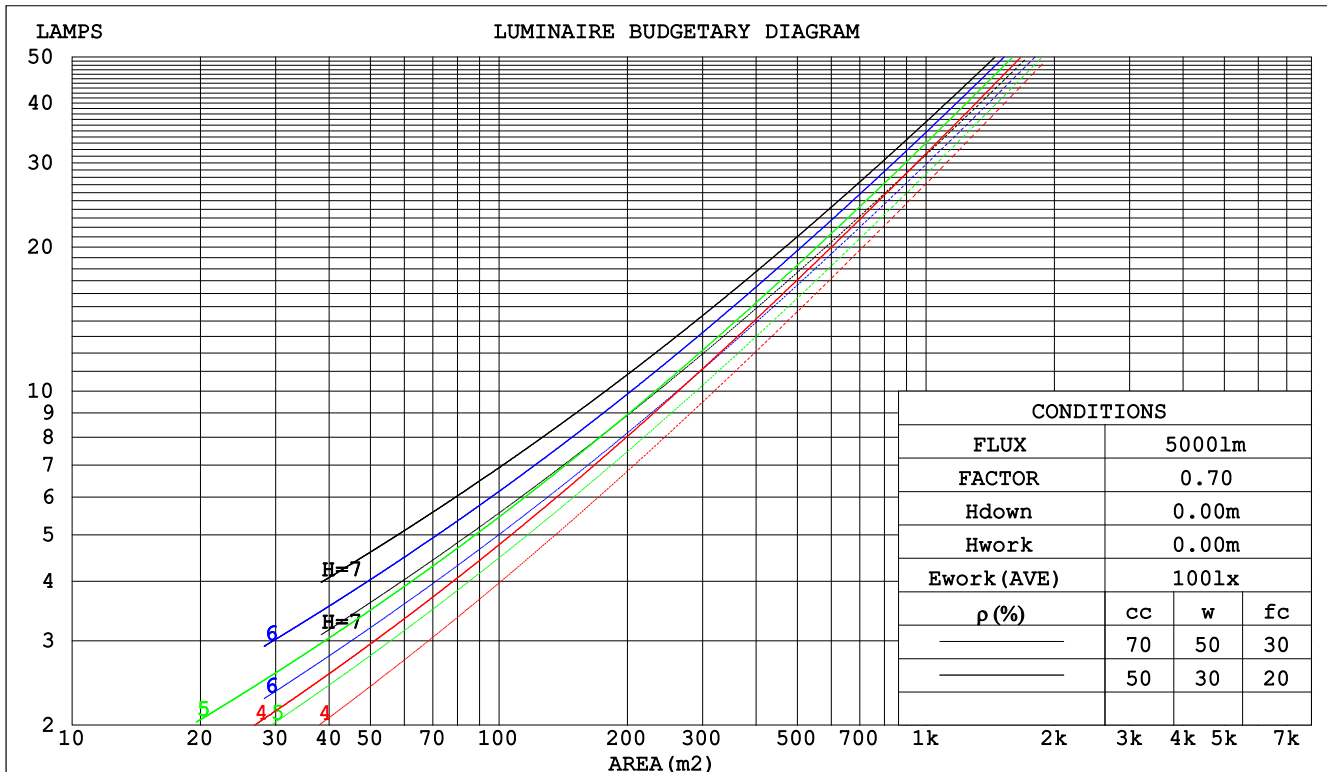
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2018-12-06

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm		
NAME: H09EGZ-15DH-R360-2313030R7-120°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	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	1.06	1.02	.98	1.03	.90	.97	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.93	.87	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.64	.61
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.57	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.50	.44	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.42	.38	.48	.42	.37	.35
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.31	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.37	.32	.27	.26



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2018-12-06

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:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm		
NAME: H09EGZ-15DH-R360-2313030R7-120°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	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	.273	.155	.049	.265	.151	.048	.252	.144	.046	.239	.138	.044	.228	.132	.043		
2.0	.267	.146	.045	.261	.144	.044	.249	.138	.043	.238	.133	.042	.227	.129	.041		
3.0	.253	.134	.040	.247	.132	.040	.236	.128	.039	.227	.124	.038	.217	.120	.037		
4.0	.237	.123	.036	.232	.121	.036	.222	.118	.035	.213	.115	.035	.205	.111	.034		
5.0	.221	.113	.033	.216	.111	.032	.208	.108	.032	.200	.106	.031	.193	.103	.031		
6.0	.206	.103	.030	.202	.102	.029	.195	.100	.029	.188	.098	.029	.181	.095	.028		
7.0	.193	.095	.027	.190	.094	.027	.183	.092	.027	.177	.091	.026	.171	.089	.026		
8.0	.181	.089	.025	.178	.088	.025	.172	.086	.025	.166	.084	.024	.161	.083	.024		
9.0	.170	.082	.023	.167	.082	.023	.162	.080	.023	.157	.079	.023	.152	.077	.022		
10.0	.161	.077	.021	.158	.076	.021	.153	.075	.021	.148	.074	.021	.144	.072	.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	.185	.164	.145	.158	.141	.125	.108	.097	.086	.062	.056	.050	.020	.018	.016	
2.0	.176	.139	.108	.151	.120	.094	.104	.083	.065	.060	.048	.038	.019	.016	.012	
3.0	.169	.122	.084	.145	.105	.073	.099	.073	.051	.057	.043	.030	.018	.014	.010	
4.0	.161	.108	.068	.138	.094	.059	.095	.065	.041	.055	.038	.025	.018	.012	.008	
5.0	.154	.098	.056	.132	.085	.049	.091	.059	.034	.053	.035	.020	.017	.011	.007	
6.0	.147	.089	.048	.127	.077	.042	.087	.054	.029	.051	.032	.017	.016	.010	.006	
7.0	.141	.082	.042	.121	.071	.036	.084	.050	.026	.049	.030	.015	.016	.010	.005	
8.0	.135	.077	.037	.116	.067	.032	.080	.047	.023	.047	.028	.014	.015	.009	.004	
9.0	.129	.072	.033	.111	.062	.029	.077	.044	.021	.045	.026	.012	.015	.008	.004	
10.0	.123	.068	.030	.106	.059	.027	.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:2018-12-06

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:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm										
NAME: H09EGZ-15DH-R360-2313030R7-120°					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					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	17.0	18.5	17.3	18.7	18.9	17.0	18.5	17.3	18.7	18.9
3H	18.1	19.4	18.4	19.7	19.9	18.1	19.4	18.4	19.6	19.9
4H	18.2	19.5	18.6	19.8	20.0	18.2	19.5	18.5	19.7	20.0
6H	18.2	19.4	18.5	19.6	19.9	18.1	19.3	18.5	19.6	19.9
8H	18.1	19.3	18.5	19.6	19.9	18.1	19.2	18.4	19.5	19.8
12H	18.1	19.2	18.4	19.5	19.8	18.0	19.1	18.4	19.4	19.8
4H 2H	17.5	18.8	17.9	19.1	19.3	17.5	18.8	17.8	19.0	19.3
3H	18.7	19.8	19.1	20.1	20.4	18.7	19.8	19.0	20.1	20.4
4H	18.9	19.9	19.3	20.2	20.5	18.8	19.8	19.2	20.2	20.5
6H	18.8	19.7	19.2	20.1	20.4	18.8	19.7	19.2	20.0	20.4
8H	18.8	19.6	19.2	20.0	20.4	18.7	19.6	19.2	19.9	20.3
12H	18.7	19.5	19.2	19.9	20.3	18.7	19.4	19.1	19.8	20.3
8H 4H	18.9	19.7	19.3	20.1	20.5	18.8	19.6	19.3	20.0	20.4
6H	18.8	19.5	19.3	19.9	20.4	18.8	19.5	19.3	19.9	20.3
8H	18.8	19.4	19.3	19.8	20.3	18.8	19.3	19.2	19.8	20.3
12H	18.7	19.2	19.2	19.7	20.2	18.7	19.2	19.2	19.7	20.2
12H 4H	18.8	19.6	19.3	20.0	20.4	18.8	19.5	19.2	19.9	20.4
6H	18.8	19.4	19.3	19.8	20.3	18.8	19.3	19.2	19.8	20.3
8H	18.7	19.2	19.2	19.7	20.2	18.7	19.2	19.2	19.7	20.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				
2.0H	+ 0.4 / - 0.6					+ 0.4 / - 0.6				

CIE Pub.117, 21513 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.7)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2018-12-06

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:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm		
NAME: H09EGZ-15DH-R360-2313030R7-120°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

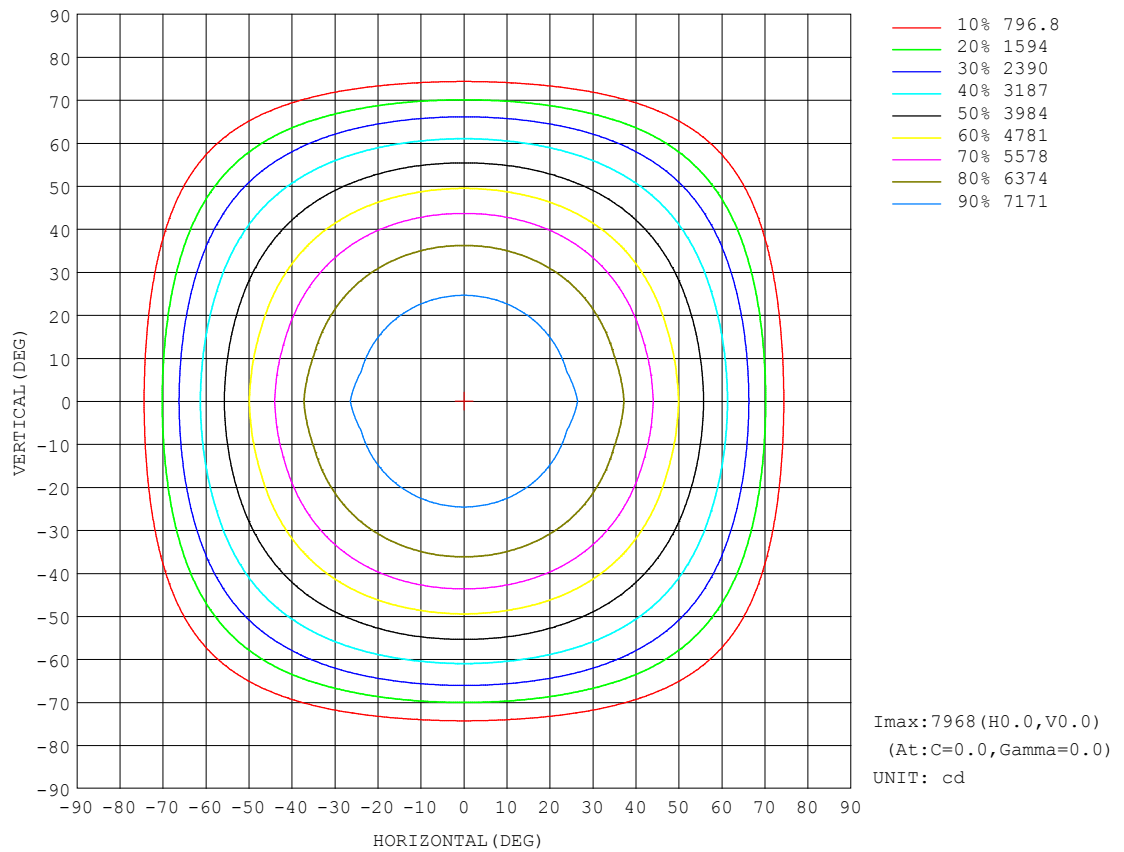
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	40	34
0.80	69	58	51	68	58	51	66	57	50	44
1.00	78	67	61	77	67	60	75	68	60	53
1.25	85	75	69	84	75	68	81	73	67	60
1.50	90	81	74	89	80	74	86	78	73	66
2.00	97	89	83	95	88	82	92	86	81	73
2.50	101	94	88	99	92	87	95	89	85	77
3.00	104	98	93	102	96	92	98	93	89	81
4.00	108	103	98	105	101	97	101	97	94	85
5.00	110	106	102	107	104	100	103	100	97	88
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: 2018-12-06

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:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm		
NAME: H09EGZ-15DH-R360-2313030R7-120°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

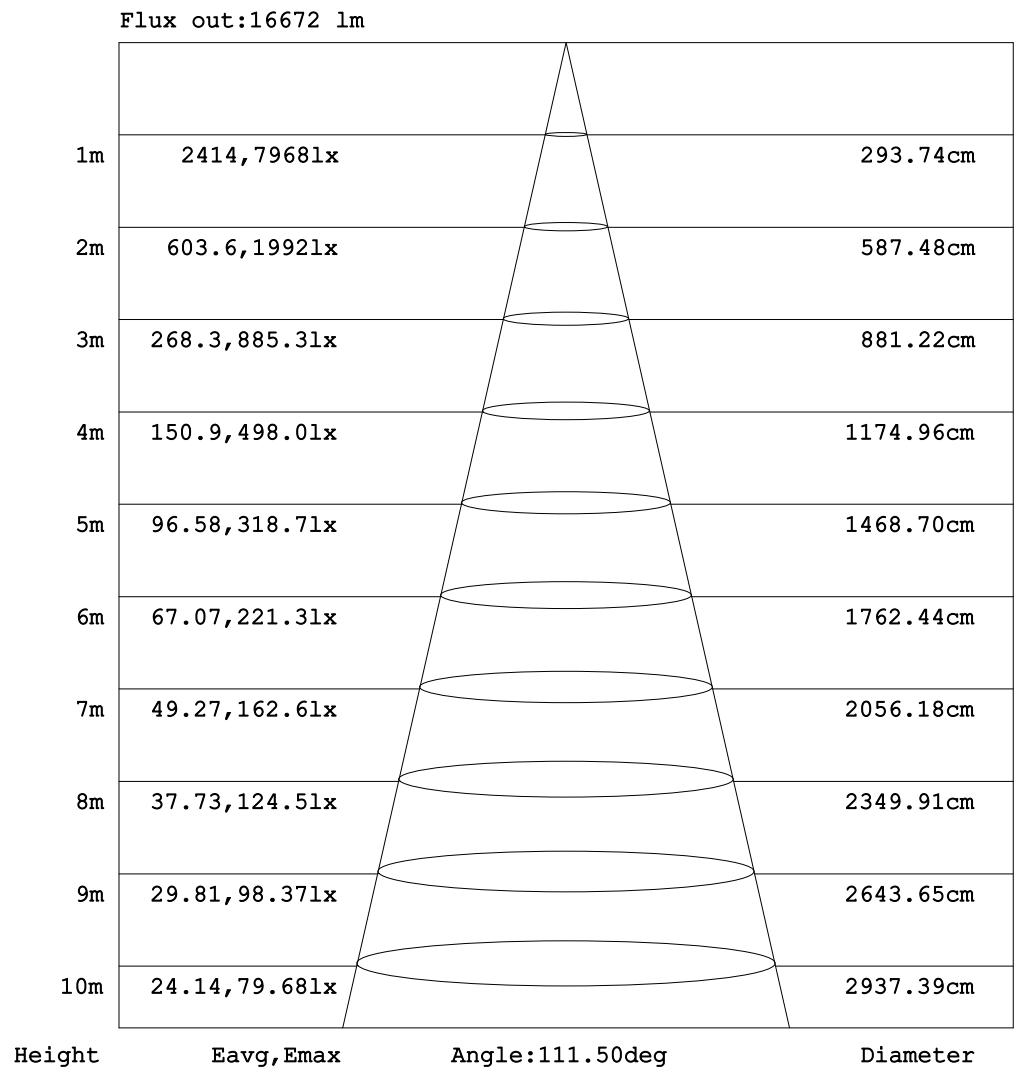


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2018-12-06

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:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm		
NAME: H09EGZ-15DH-R360-2313030R7-120°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



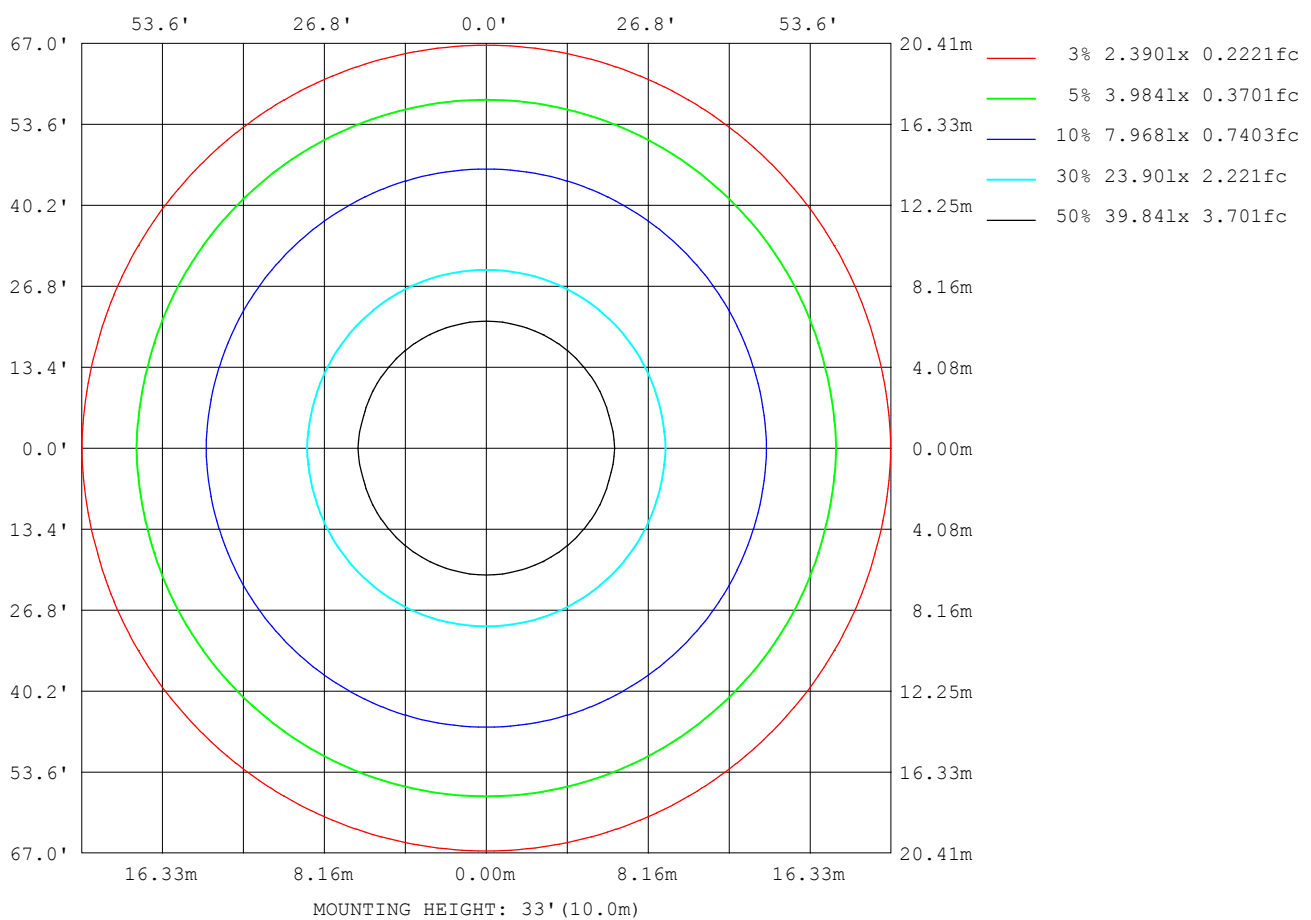
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2018-12-06

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:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm		
NAME: H09EGZ-15DH-R360-2313030R7-120°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2018-12-06

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:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm		
NAME: H09EGZ-15DH-R360-2313030R7-120°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

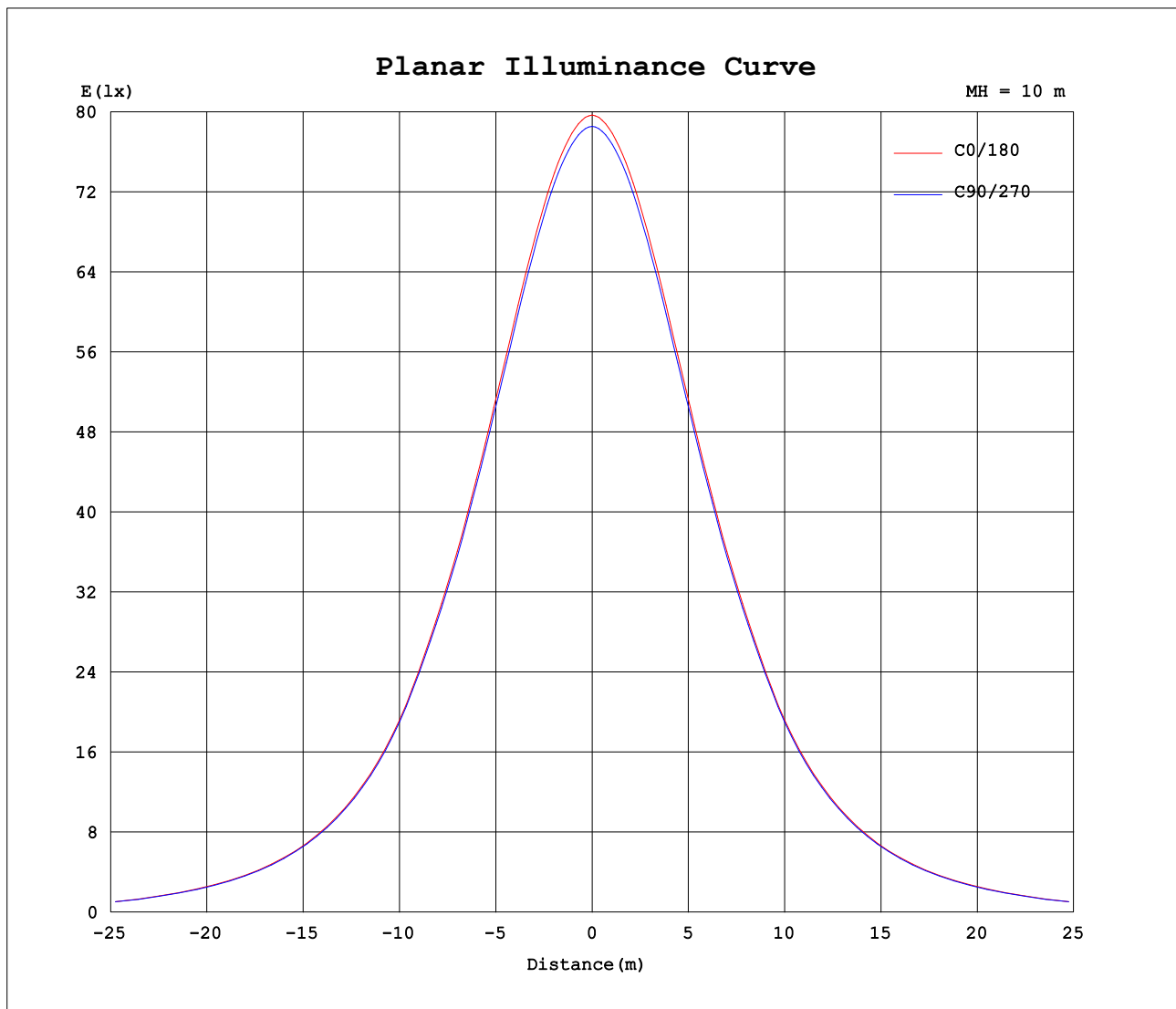
AvgL	cd/m2
L_0~180 (65) av	60922
L_0~180 (75) av	25799
L_0~180 (85) av	719
L_90~270 (65) av	59987
L_90~270 (75) av	25271
L_90~270 (85) av	708
L_45 (65) av	59761
L_45 (75) av	25221
L_45 (85) av	708

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2018-12-06

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: 2018-12-06

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:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm		
NAME: H09EGZ-15DH-R360-2313030R7-120°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	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	7968	7868	7863	7860	7858	7857	7856	7857	7858	7860	7863	7868	7968	7868	7863	7860	7858	7857	7856
5	7927	7828	7823	7820	7817	7816	7816	7816	7817	7820	7823	7828	7927	7828	7823	7820	7817	7816	7816
10	7842	7744	7739	7736	7734	7732	7732	7732	7733	7736	7739	7744	7842	7744	7739	7736	7734	7732	7732
15	7702	7605	7600	7598	7595	7593	7593	7593	7595	7598	7600	7605	7702	7605	7600	7598	7595	7593	7593
20	7505	7410	7406	7402	7400	7398	7398	7398	7400	7402	7406	7410	7505	7410	7406	7402	7400	7398	7398
25	7252	7162	7157	7152	7150	7149	7150	7149	7150	7152	7157	7162	7252	7162	7157	7152	7150	7149	7150
30	6941	6855	6851	6849	6846	6845	6847	6845	6846	6849	6851	6855	6941	6855	6851	6849	6846	6845	6847
35	6563	6480	6479	6477	6474	6473	6475	6473	6474	6477	6479	6480	6563	6480	6479	6477	6474	6473	6475
40	6112	6036	6035	6033	6031	6033	6033	6033	6031	6033	6035	6036	6112	6036	6035	6033	6031	6033	6033
45	5436	5373	5380	5387	5393	5383	5379	5383	5393	5387	5380	5373	5436	5373	5380	5387	5393	5383	5379
50	4770	4706	4706	4709	4709	4704	4709	4704	4709	4709	4706	4706	4770	4706	4706	4709	4709	4704	4709
55	4089	4047	4035	4034	4033	4040	4036	4040	4033	4034	4035	4047	4089	4047	4035	4034	4033	4040	4036
60	3385	3335	3335	3326	3327	3331	3335	3331	3327	3326	3335	3335	3385	3335	3335	3326	3327	3331	3335
65	2626	2586	2584	2576	2581	2580	2586	2580	2581	2576	2584	2586	2626	2586	2584	2576	2581	2580	2586
70	1627	1606	1596	1601	1595	1600	1600	1600	1595	1601	1596	1606	1627	1606	1596	1601	1595	1600	1600
75	681	670	669	666	673	667	667	667	673	666	669	670	681	670	669	666	673	667	667
80	75.3	75.1	74.6	87.5	74.6	87.2	74.1	87.2	74.6	87.5	74.6	75.1	75.3	75.1	74.6	87.5	74.6	87.2	74.1
85	6.39	6.33	6.31	6.29	6.30	6.27	6.29	6.27	6.30	6.29	6.31	6.33	6.39	6.33	6.31	6.29	6.30	6.27	6.29
90	7.61	7.53	7.51	7.49	7.51	7.47	7.51	7.47	7.51	7.49	7.51	7.53	7.61	7.53	7.51	7.49	7.51	7.47	7.51
95	10.4	10.3	10.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.3	10.3	10.4	10.3	10.3	10.2	10.2	10.2	10.2
100	13.9	13.8	13.8	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.8	13.8	13.9	13.8	13.8	13.7	13.7	13.7	13.7
105	18.0	17.8	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.8	18.0	17.8	17.7	17.7	17.7	17.7	17.7
110	22.3	22.1	22.1	22.1	22.1	22.0	22.1	22.0	22.1	22.1	22.1	22.1	22.3	22.1	22.1	22.1	22.1	22.0	22.1
115	27.0	26.7	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.7	27.0	26.7	26.6	26.6	26.6	26.6	26.6
120	31.2	31.1	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.1	31.2	31.1	31.0	31.0	31.0	31.0	31.0
125	35.7	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.2	35.7	35.2	35.3	35.3	35.3	35.3	35.3
130	40.2	39.7	39.5	39.7	39.7	39.6	39.7	39.6	39.7	39.7	39.5	39.7	40.2	39.7	39.5	39.7	39.7	39.6	39.7
135	44.4	43.9	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	44.4	43.9	43.8	43.8	43.8	43.8	43.8
140	48.6	48.0	48.0	47.9	47.9	47.9	48.0	47.9	47.9	47.9	48.0	48.0	48.6	48.0	48.0	47.9	47.9	47.9	48.0
145	52.9	52.2	52.2	52.2	52.2	52.1	52.2	52.1	52.2	52.2	52.2	52.2	52.9	52.2	52.2	52.2	52.2	52.1	52.2
150	56.8	56.1	56.1	56.0	56.1	56.0	56.0	56.0	56.1	56.0	56.1	56.1	56.8	56.1	56.1	56.0	56.1	56.0	56.0
155	60.2	59.4	59.4	59.3	59.3	59.3	59.4	59.3	59.3	59.3	59.4	59.4	60.2	59.4	59.4	59.3	59.3	59.3	59.4
160	63.4	62.5	62.5	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	63.4	62.5	62.5	62.4	62.4	62.4	62.4
165	66.1	65.2	65.2	65.1	65.1	65.0	65.1	65.0	65.1	65.1	65.2	65.2	66.1	65.2	65.2	65.1	65.1	65.0	65.1
170	68.4	67.5	67.5	67.4	67.4	67.3	67.4	67.3	67.4	67.4	67.5	67.5	68.4	67.5	67.5	67.4	67.4	67.3	67.4
175	70.4	69.5	69.4	69.4	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.5	70.4	69.5	69.4	69.4	69.3	69.3	69.3
180	71.2	70.2	70.1	70.1	70.0	69.9	69.9	69.9	70.0	70.1	70.1	70.2	71.2	70.2	70.1	70.1	70.0	69.9	69.9

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2018-12-06

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:110.6V I:1.320A P:145.6W PF:0.9968 Freq:49.99Hz Lamp Flux:21513.1x1 lm		
NAME: H09EGZ-15DH-R360-2313030R7-120°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	7857	7858	7860	7863	7868														
5	7816	7817	7820	7823	7828														
10	7732	7734	7736	7739	7744														
15	7593	7595	7598	7600	7605														
20	7398	7400	7402	7406	7410														
25	7149	7150	7152	7157	7162														
30	6845	6846	6849	6851	6855														
35	6473	6474	6477	6479	6480														
40	6033	6031	6033	6035	6036														
45	5383	5393	5387	5380	5373														
50	4704	4709	4709	4706	4706														
55	4040	4033	4034	4035	4047														
60	3331	3327	3326	3335	3335														
65	2580	2581	2576	2584	2586														
70	1600	1595	1601	1596	1606														
75	667	673	666	669	670														
80	87.2	74.6	87.5	74.6	75.1														
85	6.27	6.30	6.29	6.31	6.33														
90	7.47	7.51	7.49	7.51	7.53														
95	10.2	10.2	10.2	10.3	10.3														
100	13.7	13.7	13.7	13.8	13.8														
105	17.7	17.7	17.7	17.7	17.8														
110	22.0	22.1	22.1	22.1	22.1														
115	26.6	26.6	26.6	26.6	26.7														
120	31.0	31.0	31.0	31.0	31.1														
125	35.3	35.3	35.3	35.3	35.2														
130	39.6	39.7	39.7	39.5	39.7														
135	43.8	43.8	43.8	43.8	43.9														
140	47.9	47.9	47.9	48.0	48.0														
145	52.1	52.2	52.2	52.2	52.2														
150	56.0	56.1	56.0	56.1	56.1														
155	59.3	59.3	59.3	59.4	59.4														
160	62.4	62.4	62.4	62.5	62.5														
165	65.0	65.1	65.1	65.2	65.2														
170	67.3	67.4	67.4	67.5	67.5														
175	69.3	69.3	69.4	69.4	69.5														
180	69.9	70.0	70.1	70.1	70.2														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2018-12-06

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	7968	7868	7863	7860	7858	7857	7856	7857	7858	7860
3.0	7950	7851	7846	7843	7841	7839	7839	7839	7841	7843
6.0	7914	7814	7810	7806	7804	7803	7803	7803	7804	7806
9.0	7864	7765	7760	7757	7755	7753	7753	7753	7755	7757
12.0	7793	7695	7691	7688	7685	7683	7683	7683	7685	7688
15.0	7702	7605	7600	7598	7595	7593	7593	7593	7595	7598
18.0	7590	7495	7491	7487	7485	7483	7483	7483	7485	7487
21.0	7458	7364	7360	7356	7354	7353	7353	7353	7354	7356
24.0	7307	7215	7210	7207	7204	7203	7203	7203	7204	7207
27.0	7138	7048	7044	7038	7036	7035	7036	7035	7036	7038
30.0	6941	6855	6851	6849	6846	6845	6847	6845	6846	6849
33.0	6721	6637	6635	6633	6630	6628	6632	6628	6630	6633
36.0	6480	6398	6396	6394	6392	6391	6391	6391	6392	6394
39.0	6212	6136	6133	6130	6128	6129	6128	6129	6128	6130
42.0	5868	5798	5803	5806	5805	5805	5803	5805	5805	5806
45.0	5436	5373	5380	5387	5393	5383	5379	5383	5393	5387
48.0	5039	4970	4976	4977	4979	4969	4977	4969	4979	4977
51.0	4638	4579	4577	4577	4575	4572	4576	4572	4575	4577
54.0	4229	4184	4173	4171	4170	4177	4171	4177	4170	4171
57.0	3810	3766	3758	3753	3755	3761	3761	3761	3755	3753
60.0	3385	3335	3335	3326	3327	3331	3335	3331	3327	3326
63.0	2935	2892	2891	2882	2885	2884	2889	2884	2885	2882
66.0	2444	2409	2407	2398	2406	2409	2411	2409	2406	2398
69.0	1825	1795	1789	1789	1783	1792	1791	1792	1783	1789
72.0	1234	1221	1214	1215	1215	1215	1216	1215	1215	1215
75.0	681.1	669.9	668.9	665.8	672.7	666.6	667.1	666.6	672.7	665.8
78.0	252.8	251.0	252.7	252.9	251.3	251.5	250.6	251.5	251.3	252.9
81.0	24.09	23.25	22.60	30.62	22.93	23.50	23.88	23.50	22.93	30.62
84.0	6.304	6.253	6.255	6.205	6.278	6.173	6.263	6.173	6.278	6.205
87.0	6.954	6.897	6.878	6.859	6.858	6.831	6.857	6.831	6.858	6.859
90.0	7.609	7.531	7.514	7.494	7.506	7.468	7.514	7.468	7.506	7.494
93.0	9.166	9.081	9.049	9.040	9.034	9.013	9.033	9.013	9.034	9.040
96.0	11.03	10.92	10.89	10.87	10.88	10.84	10.87	10.84	10.88	10.87
99.0	13.17	13.03	13.01	12.99	12.99	12.96	12.98	12.96	12.99	12.99
102.0	15.47	15.32	15.29	15.27	15.27	15.24	15.27	15.24	15.27	15.27
105.0	17.95	17.76	17.73	17.71	17.71	17.69	17.70	17.69	17.71	17.71
108.0	20.55	20.34	20.31	20.29	20.29	20.26	20.30	20.26	20.29	20.29
111.0	23.26	23.01	22.98	22.97	22.96	22.94	22.96	22.94	22.96	22.97
114.0	26.05	25.76	25.73	25.71	25.71	25.66	25.71	25.66	25.71	25.71
117.0	28.71	28.43	28.40	28.39	28.38	28.34	28.39	28.34	28.38	28.39
120.0	31.21	31.06	31.05	31.02	31.03	30.97	31.04	30.97	31.03	31.02
123.0	33.95	33.54	33.63	33.61	33.61	33.55	33.61	33.55	33.61	33.61
126.0	36.59	36.10	36.19	36.18	36.18	36.14	36.19	36.14	36.18	36.18
129.0	39.26	38.84	38.67	38.82	38.79	38.77	38.79	38.77	38.79	38.82
132.0	42.01	41.51	41.39	41.46	41.48	41.43	41.47	41.43	41.48	41.46
135.0	44.37	43.86	43.79	43.80	43.80	43.77	43.80	43.77	43.80	43.80
138.0	46.85	46.30	46.27	46.24	46.25	46.25	46.27	46.25	46.25	46.24
141.0	49.42	48.85	48.84	48.76	48.82	48.75	48.81	48.75	48.82	48.76
144.0	52.00	51.40	51.35	51.34	51.35	51.32	51.33	51.32	51.35	51.34
147.0	54.49	53.84	53.81	53.78	53.79	53.76	53.78	53.76	53.79	53.78
150.0	56.81	56.10	56.11	56.05	56.07	56.02	56.05	56.02	56.07	56.05
153.0	58.89	58.15	58.11	58.05	58.06	58.00	58.04	58.00	58.06	58.05
156.0	60.87	60.08	60.04	59.98	59.98	59.93	59.98	59.93	59.98	59.98
159.0	62.77	61.94	61.91	61.82	61.84	61.79	61.83	61.79	61.84	61.82
162.0	64.52	63.67	63.60	63.54	63.52	63.56	63.52	63.56	63.58	63.54
165.0	66.07	65.21	65.18	65.08	65.11	65.04	65.09	65.04	65.11	65.08
168.0	67.53	66.64	66.64	66.53	66.54	66.49	66.52	66.49	66.54	66.53
171.0	68.76	67.82	67.85	67.77	67.79	67.70	67.75	67.70	67.79	67.77
174.0	70.19	69.31	69.25	69.21	69.19	69.11	69.15	69.11	69.19	69.21
177.0	70.68	69.76	69.71	69.66	69.59	69.52	69.56	69.52	69.59	69.66
180.0	71.16	70.23	70.12	70.08	70.02	69.91	69.89	69.91	70.02	70.08
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	7863	7868	7968	7868	7863	7860	7858	7857	7856	7857
3.0	7846	7851	7950	7851	7846	7843	7841	7839	7839	7839
6.0	7810	7814	7914	7814	7810	7806	7804	7803	7803	7803
9.0	7760	7765	7864	7765	7760	7757	7755	7753	7753	7753
12.0	7691	7695	7793	7695	7691	7688	7685	7683	7683	7683
15.0	7600	7605	7702	7605	7600	7598	7595	7593	7593	7593
18.0	7491	7495	7590	7495	7491	7487	7485	7483	7483	7483
21.0	7360	7364	7458	7364	7360	7356	7354	7353	7353	7353
24.0	7210	7215	7307	7215	7210	7207	7204	7203	7203	7203
27.0	7044	7048	7138	7048	7044	7038	7036	7035	7036	7035
30.0	6851	6855	6941	6855	6851	6849	6846	6845	6847	6845

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2018-12-06

v Range: 0 - 180DEG
 v 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	6635	6637	6721	6637	6635	6633	6630	6628	6632	6628
36.0	6396	6398	6480	6398	6396	6394	6392	6391	6391	6391
39.0	6133	6136	6212	6136	6133	6130	6128	6129	6128	6129
42.0	5803	5798	5868	5798	5803	5806	5805	5805	5803	5805
45.0	5380	5373	5436	5373	5380	5387	5393	5383	5379	5383
48.0	4976	4970	5039	4970	4976	4977	4979	4969	4977	4969
51.0	4577	4579	4638	4579	4577	4577	4575	4572	4576	4572
54.0	4173	4184	4229	4184	4173	4171	4170	4177	4171	4177
57.0	3758	3766	3810	3766	3758	3753	3755	3761	3761	3761
60.0	3335	3335	3385	3335	3335	3326	3327	3331	3335	3331
63.0	2891	2892	2935	2892	2891	2882	2885	2884	2889	2884
66.0	2407	2409	2444	2409	2407	2398	2406	2409	2411	2409
69.0	1789	1795	1825	1795	1789	1789	1783	1792	1791	1792
72.0	1214	1221	1234	1221	1214	1215	1215	1215	1216	1215
75.0	668.9	669.9	681.1	669.9	668.9	665.8	672.7	666.6	667.1	666.6
78.0	252.7	251.0	252.8	251.0	252.7	252.9	251.3	251.5	250.6	251.5
81.0	22.60	23.25	24.09	23.25	22.60	30.62	22.93	23.50	23.88	23.50
84.0	6.255	6.253	6.304	6.253	6.255	6.205	6.278	6.173	6.263	6.173
87.0	6.878	6.897	6.954	6.897	6.878	6.859	6.858	6.831	6.857	6.831
90.0	7.514	7.531	7.609	7.531	7.514	7.494	7.506	7.468	7.514	7.468
93.0	9.049	9.081	9.166	9.081	9.049	9.040	9.034	9.013	9.033	9.013
96.0	10.89	10.92	11.03	10.92	10.89	10.87	10.88	10.84	10.87	10.84
99.0	13.01	13.03	13.17	13.03	13.01	12.99	12.99	12.96	12.98	12.96
102.0	15.29	15.32	15.47	15.32	15.29	15.27	15.27	15.24	15.27	15.24
105.0	17.73	17.76	17.95	17.76	17.73	17.71	17.71	17.69	17.70	17.69
108.0	20.31	20.34	20.55	20.34	20.31	20.29	20.29	20.26	20.30	20.26
111.0	22.98	23.01	23.26	23.01	22.98	22.97	22.96	22.94	22.96	22.94
114.0	25.73	25.76	26.05	25.76	25.73	25.71	25.71	25.66	25.71	25.66
117.0	28.40	28.43	28.71	28.43	28.40	28.39	28.38	28.34	28.39	28.34
120.0	31.05	31.06	31.21	31.06	31.05	31.02	31.03	30.97	31.04	30.97
123.0	33.63	33.54	33.95	33.54	33.63	33.61	33.61	33.55	33.61	33.55
126.0	36.19	36.10	36.59	36.10	36.19	36.18	36.18	36.14	36.19	36.14
129.0	38.67	38.84	39.26	38.84	38.67	38.82	38.79	38.77	38.79	38.77
132.0	41.39	41.51	42.01	41.51	41.39	41.46	41.48	41.43	41.47	41.43
135.0	43.79	43.86	44.37	43.86	43.79	43.80	43.80	43.77	43.80	43.77
138.0	46.27	46.30	46.85	46.30	46.27	46.24	46.25	46.25	46.27	46.25
141.0	48.84	48.85	49.42	48.85	48.84	48.76	48.82	48.75	48.81	48.75
144.0	51.35	51.40	52.00	51.40	51.35	51.34	51.35	51.32	51.33	51.32
147.0	53.81	53.84	54.49	53.84	53.81	53.78	53.79	53.76	53.78	53.76
150.0	56.11	56.10	56.81	56.10	56.11	56.05	56.07	56.02	56.05	56.02
153.0	58.11	58.15	58.89	58.15	58.11	58.05	58.06	58.00	58.04	58.00
156.0	60.04	60.08	60.87	60.08	60.04	59.98	59.98	59.93	59.98	59.93
159.0	61.91	61.94	62.77	61.94	61.91	61.82	61.84	61.79	61.83	61.79
162.0	63.60	63.67	64.52	63.67	63.60	63.54	63.58	63.52	63.56	63.52
165.0	65.18	65.21	66.07	65.21	65.18	65.08	65.11	65.04	65.09	65.04
168.0	66.64	66.64	67.53	66.64	66.64	66.53	66.54	66.49	66.52	66.49
171.0	67.85	67.82	68.76	67.82	67.85	67.77	67.79	67.70	67.75	67.70
174.0	69.25	69.31	70.19	69.31	69.25	69.21	69.19	69.11	69.15	69.11
177.0	69.71	69.76	70.68	69.76	69.71	69.66	69.59	69.52	69.56	69.52
180.0	70.12	70.23	71.16	70.23	70.12	70.08	70.02	69.91	69.89	69.91
G/C	300.0	315.0	330.0	345.0						
0.0	7858	7860	7863	7868						
3.0	7841	7843	7846	7851						
6.0	7804	7806	7810	7814						
9.0	7755	7757	7760	7765						
12.0	7685	7688	7691	7695						
15.0	7595	7598	7600	7605						
18.0	7485	7487	7491	7495						
21.0	7354	7356	7360	7364						
24.0	7204	7207	7210	7215						
27.0	7036	7038	7044	7048						
30.0	6846	6849	6851	6855						
33.0	6630	6633	6635	6637						
36.0	6392	6394	6396	6398						
39.0	6128	6130	6133	6136						
42.0	5805	5806	5803	5798						
45.0	5393	5387	5380	5373						
48.0	4979	4977	4976	4970						
51.0	4575	4577	4577	4579						
54.0	4170	4171	4173	4184						
57.0	3755	3753	3758	3766						
60.0	3327	3326	3335	3335						
63.0	2885	2882	2891	2892						
66.0	2406	2398	2407	2409						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2018-12-06

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	1783	1789	1789	1795
72.0	1215	1215	1214	1221
75.0	672.7	665.8	668.9	669.9
78.0	251.3	252.9	252.7	251.0
81.0	22.93	30.62	22.60	23.25
84.0	6.278	6.205	6.255	6.253
87.0	6.858	6.859	6.878	6.897
90.0	7.506	7.494	7.514	7.531
93.0	9.034	9.040	9.049	9.081
96.0	10.88	10.87	10.89	10.92
99.0	12.99	12.99	13.01	13.03
102.0	15.27	15.27	15.29	15.32
105.0	17.71	17.71	17.73	17.76
108.0	20.29	20.29	20.31	20.34
111.0	22.96	22.97	22.98	23.01
114.0	25.71	25.71	25.73	25.76
117.0	28.38	28.39	28.40	28.43
120.0	31.03	31.02	31.05	31.06
123.0	33.61	33.61	33.63	33.54
126.0	36.18	36.18	36.19	36.10
129.0	38.79	38.82	38.67	38.84
132.0	41.48	41.46	41.39	41.51
135.0	43.80	43.80	43.79	43.86
138.0	46.25	46.24	46.27	46.30
141.0	48.82	48.76	48.84	48.85
144.0	51.35	51.34	51.35	51.40
147.0	53.79	53.78	53.81	53.84
150.0	56.07	56.05	56.11	56.10
153.0	58.06	58.05	58.11	58.15
156.0	59.98	59.98	60.04	60.08
159.0	61.84	61.82	61.91	61.94
162.0	63.58	63.54	63.60	63.67
165.0	65.11	65.08	65.18	65.21
168.0	66.54	66.53	66.64	66.64
171.0	67.79	67.77	67.85	67.82
174.0	69.19	69.21	69.25	69.31
177.0	69.59	69.66	69.71	69.76
180.0	70.02	70.08	70.12	70.23

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2018-12-06

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: