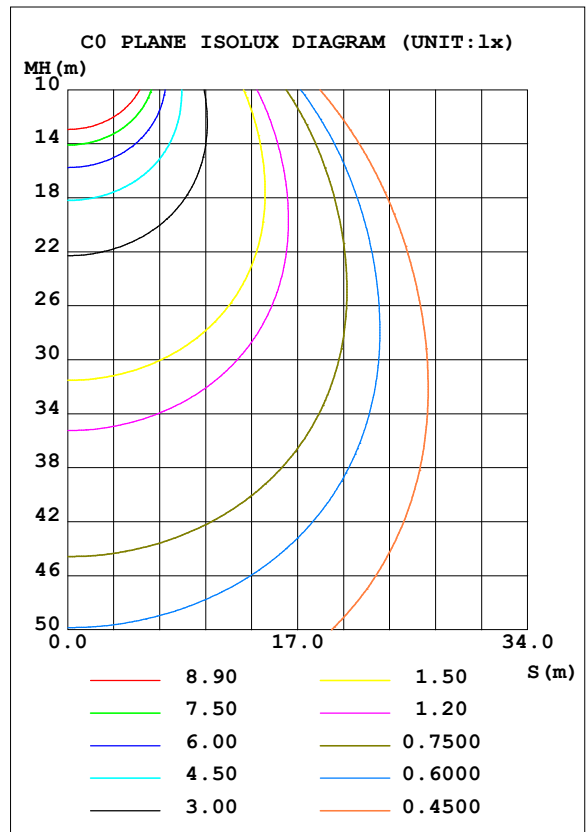
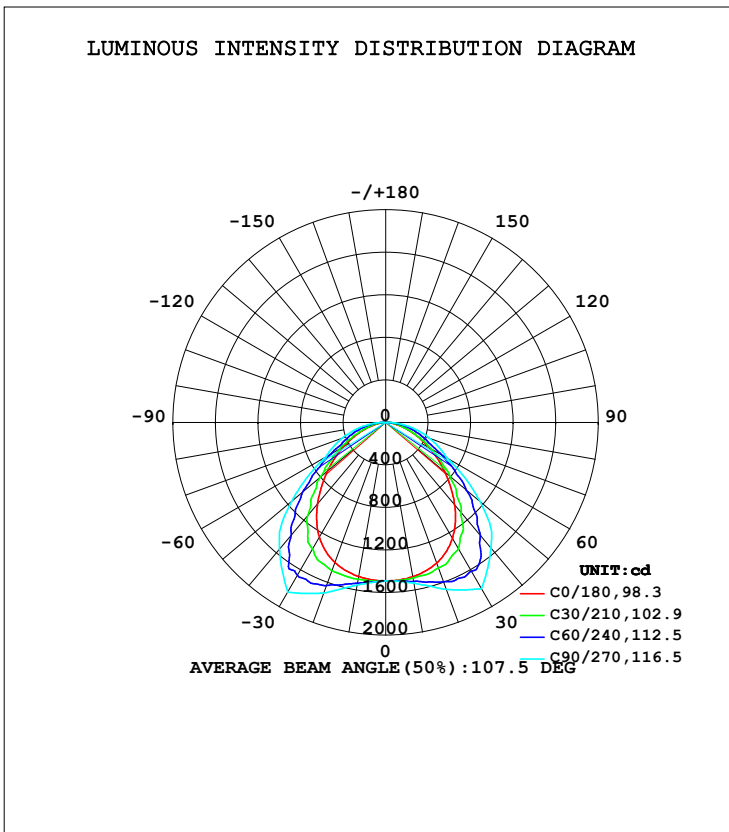


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835- WRIGHT 10.9	
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.95 lm/W			
MODEL		I _{max} (cd)	1842	S/MH (C0/180)	1.24
NOMINAL POWER (W)	40	LOR (%)	100.0	S/MH (C90/270)	1.58
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	4397.8	η UP, DN (C0-180)	0.0, 49.9
NOMINAL FLUX (lm)	4397.77	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	100.0	CIBSE SHR MAX	1.35



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:09 October 2016

V(B) Range:-90 - 90DEG
 V(B) Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.500m [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	1473	1502	1533	1504	1471	1516	1551	1515	0- 10	143.3	143.3	3.26,3.26
20	1406	1523	1671	1531	1401	1556	1707	1545	10- 20	433.1	576.3	13.1,13.1
30	1257	1470	1804	1495	1248	1521	1842	1492	20- 30	711.5	1288	29.3,29.3
40	1010	1254	1541	1274	997.0	1289	1554	1264	30- 40	879.5	2167	49.3,49.3
50	727.9	884.6	1160	870.0	716.2	873.5	1157	884.4	40- 50	842.9	3010	68.4,68.4
60	470.1	539.7	661.1	551.3	459.8	549.9	652.4	535.3	50- 60	651.6	3662	83.3,83.3
70	247.7	285.8	441.2	291.2	239.0	288.4	435.8	281.0	60- 70	420.2	4082	92.8,92.8
80	87.73	139.2	221.4	136.1	82.79	135.5	219.4	137.3	70- 80	238.6	4321	98.2,98.2
90	1.836	1.623	1.522	1.410	1.140	2.685	2.978	2.465	80- 90	77.07	4398	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2604.1 lm

%lum = 59.2%
 %lamp = 59.2%

Conical surface Flux(120deg): 3661.9 lm

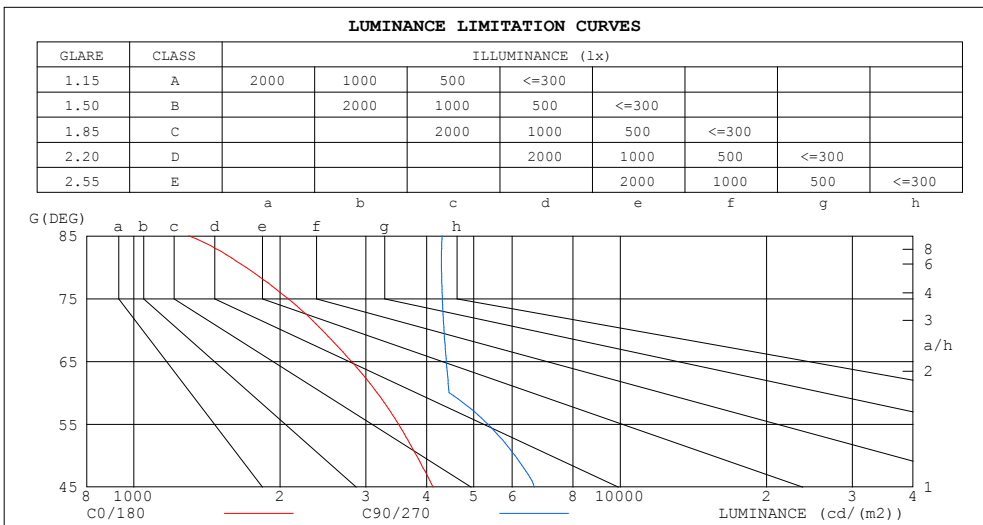
%lum = 83.3%
 %lamp = 83.3%

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:09 October 2016

V(B) Range:-90 - 90DEG
 V(B) Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835-20160110.9	
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1298	4306
80	1701	4293
75	2075	4310
70	2438	4344
65	2803	4391
60	3166	4452
55	3503	5345
50	3813	6076
45	4127	6656

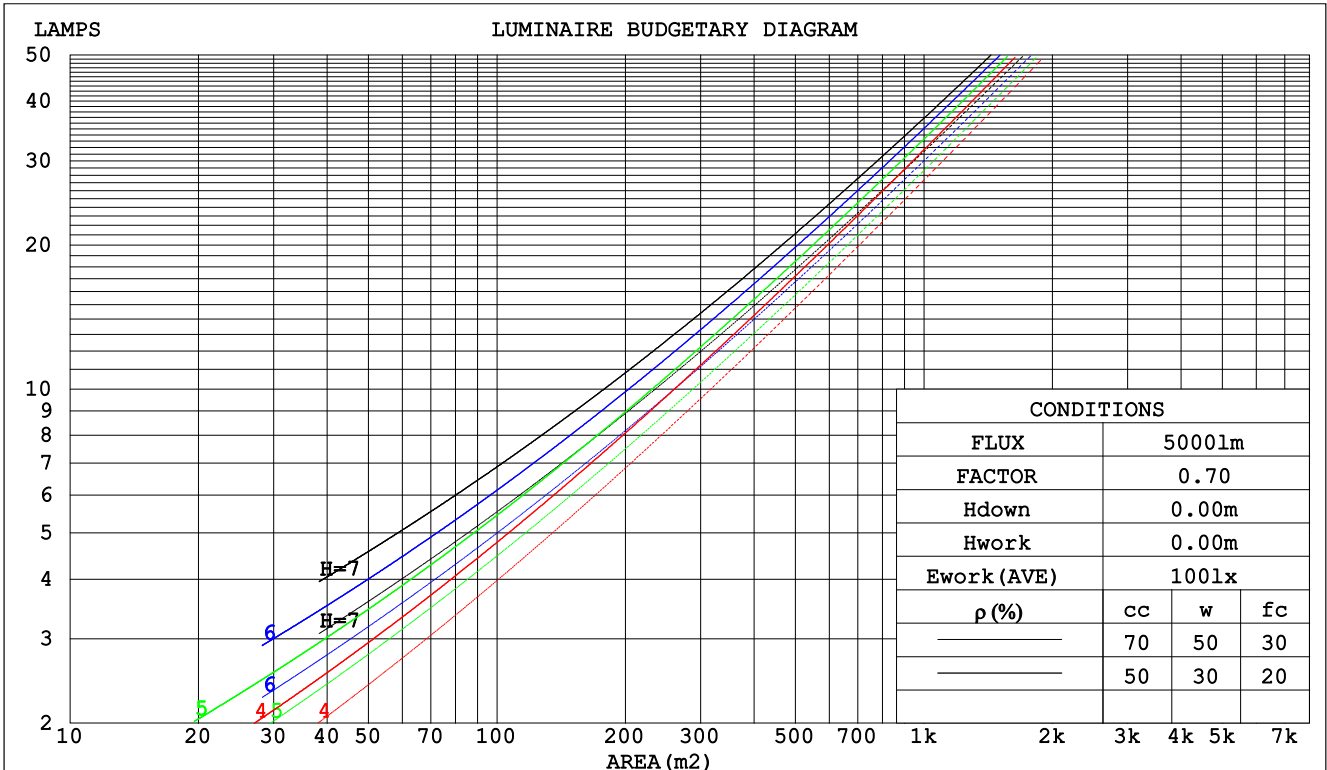
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835-20103110.9	
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.02	1.02	1.02	1.00
1.0	1.05	1.01	.97	1.03	.99	.95	.98	.95	.92	.94	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.83	.79	.76	.80	.77	.74	.72
3.0	.81	.74	.67	.80	.73	.67	.77	.71	.65	.74	.69	.64	.72	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.69	.62	.56	.66	.60	.55	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.59	.50	.44	.58	.49	.43	.56	.48	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.45	.39	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.38	.36
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.44	.36	.31	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.30	.29
10.0	.41	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835-WEIGHT:10.9	
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	.292	.166	.053	.285	.163	.052	.272	.156	.050	.260	.150	.048	.249	.144	.046	
2.0	.276	.151	.046	.270	.149	.046	.259	.144	.045	.248	.139	.044	.238	.135	.042	
3.0	.257	.137	.041	.252	.135	.041	.242	.131	.040	.232	.127	.039	.223	.124	.038	
4.0	.239	.124	.036	.234	.123	.036	.225	.119	.036	.217	.116	.035	.209	.114	.035	
5.0	.222	.113	.033	.218	.112	.033	.210	.109	.032	.202	.107	.032	.195	.104	.031	
6.0	.207	.104	.030	.203	.103	.030	.196	.100	.029	.189	.098	.029	.183	.096	.029	
7.0	.193	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027	.172	.089	.026	
8.0	.181	.089	.025	.178	.088	.025	.173	.086	.025	.167	.085	.024	.162	.083	.024	
9.0	.170	.082	.023	.168	.082	.023	.163	.080	.023	.158	.079	.023	.153	.078	.022	
10.0	.161	.077	.021	.158	.076	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.095	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.133	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm										
NAME: PANEL					TYPE:P17CO-40NH-0606-1922835-20160110.9					
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	11.4	12.8	11.6	13.0	13.2	13.5	15.0	13.8	15.2	15.4
3H	12.3	13.6	12.6	13.8	14.1	14.8	16.2	15.1	16.4	16.7
4H	12.6	13.9	12.9	14.1	14.4	15.5	16.8	15.8	17.0	17.3
6H	12.8	14.0	13.1	14.2	14.5	16.1	17.3	16.4	17.6	17.8
8H	12.8	13.9	13.1	14.2	14.5	16.3	17.5	16.6	17.8	18.0
12H	12.8	13.9	13.1	14.2	14.5	16.5	17.6	16.8	17.9	18.2
4H 2H	11.9	13.2	12.3	13.5	13.7	13.7	15.0	14.0	15.2	15.5
3H	13.0	14.1	13.4	14.4	14.7	15.2	16.4	15.6	16.7	17.0
4H	13.4	14.4	13.8	14.8	15.1	16.1	17.1	16.4	17.4	17.7
6H	13.7	14.6	14.1	14.9	15.3	16.8	17.7	17.2	18.1	18.5
8H	13.7	14.6	14.2	15.0	15.3	17.2	18.0	17.6	18.4	18.7
12H	13.8	14.5	14.2	14.9	15.3	17.4	18.2	17.8	18.6	19.0
8H 4H	13.8	14.6	14.2	15.0	15.3	16.2	17.0	16.6	17.4	17.8
6H	14.2	14.9	14.6	15.3	15.7	17.1	17.8	17.5	18.2	18.6
8H	14.3	14.9	14.8	15.3	15.8	17.5	18.1	18.0	18.6	19.0
12H	14.4	14.9	14.8	15.4	15.8	17.9	18.4	18.4	18.9	19.3
12H 4H	13.8	14.6	14.2	15.0	15.4	16.1	16.9	16.6	17.3	17.7
6H	14.3	14.9	14.8	15.3	15.8	17.1	17.7	17.6	18.1	18.6
8H	14.5	15.0	15.0	15.5	15.9	17.6	18.1	18.0	18.5	19.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.5					+ 0.6 / - 0.5				

CIE Pub.117, 4398 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.1)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835-2016HTL0.9	
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

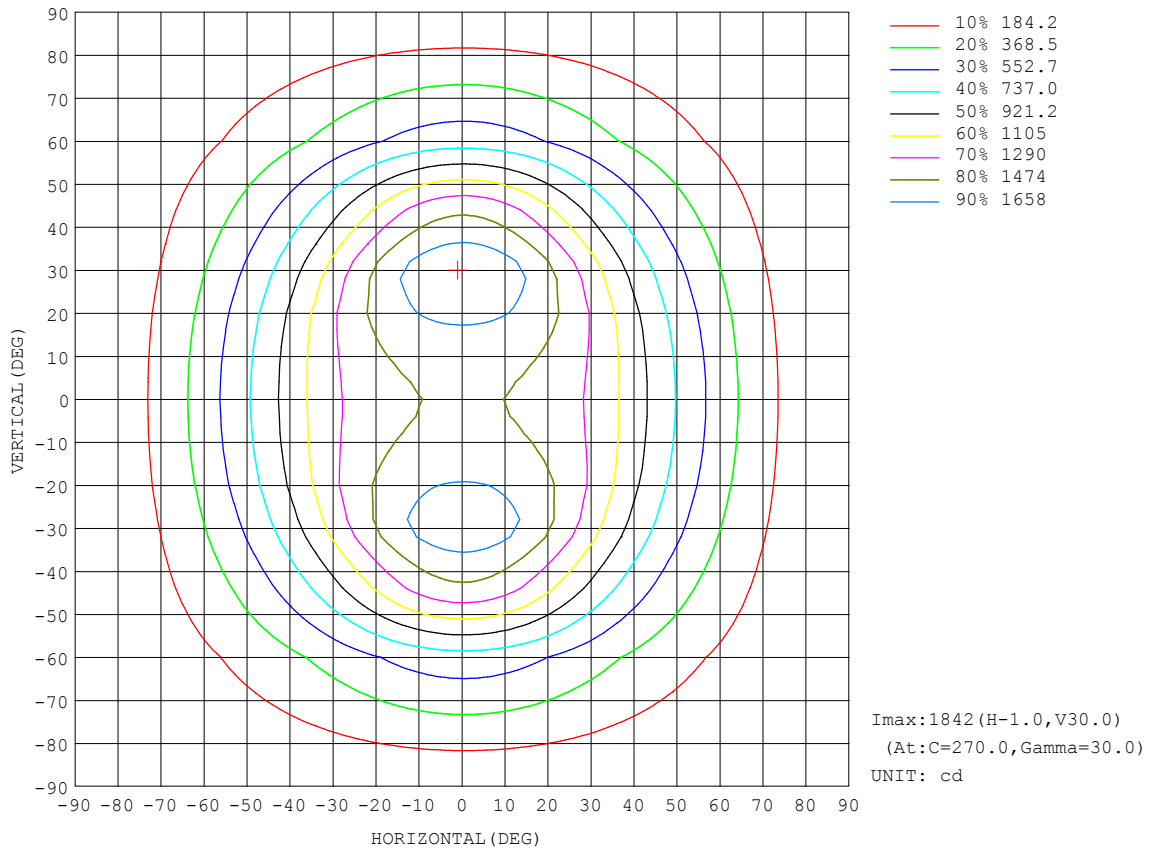
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	49	42	59	49	42	58	48	42	36
0.80	70	59	52	69	59	52	67	58	52	45
1.00	79	68	61	77	68	61	75	69	60	54
1.25	86	76	69	84	75	69	82	74	68	61
1.50	90	81	75	89	80	74	86	79	73	66
2.00	97	89	83	95	88	82	92	85	81	73
2.50	100	93	87	98	92	87	95	89	85	77
3.00	103	97	92	101	96	91	97	93	89	80
4.00	107	102	97	105	100	96	101	97	93	85
5.00	109	105	101	107	103	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835-20160110.9	
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

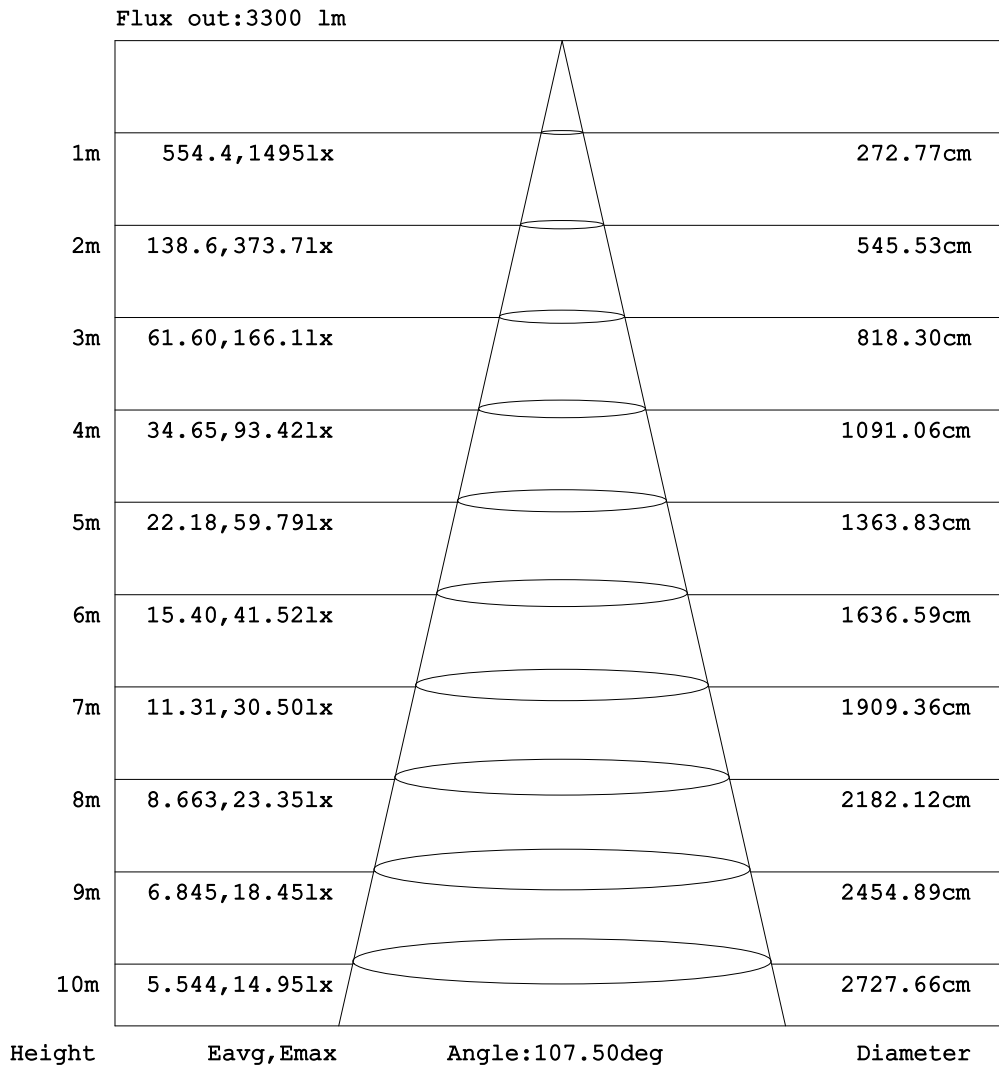


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

AAI Figure

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835-2013HTL0.9	
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



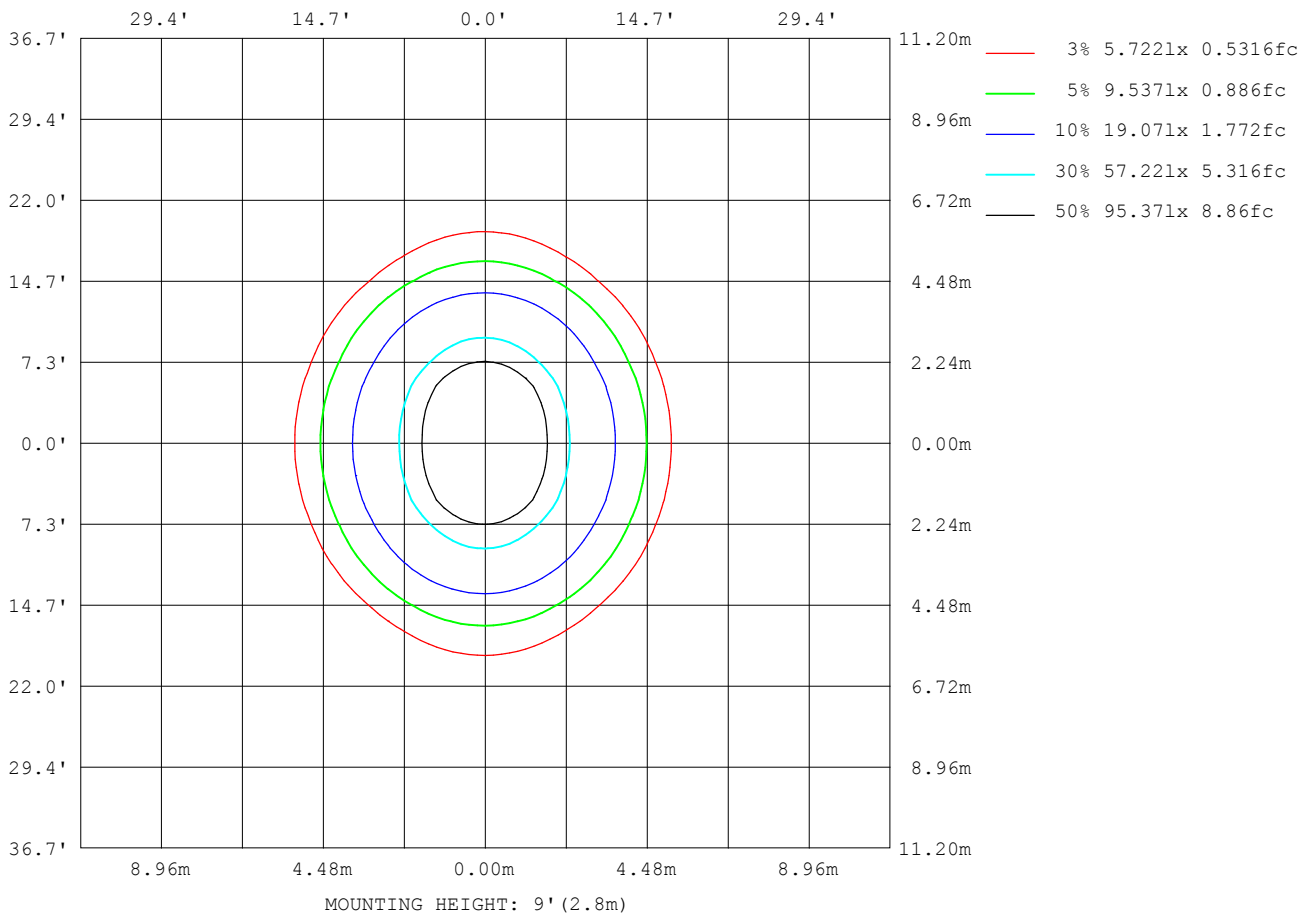
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835-20160110.9	
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835-2013	WIGHT:1.9
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

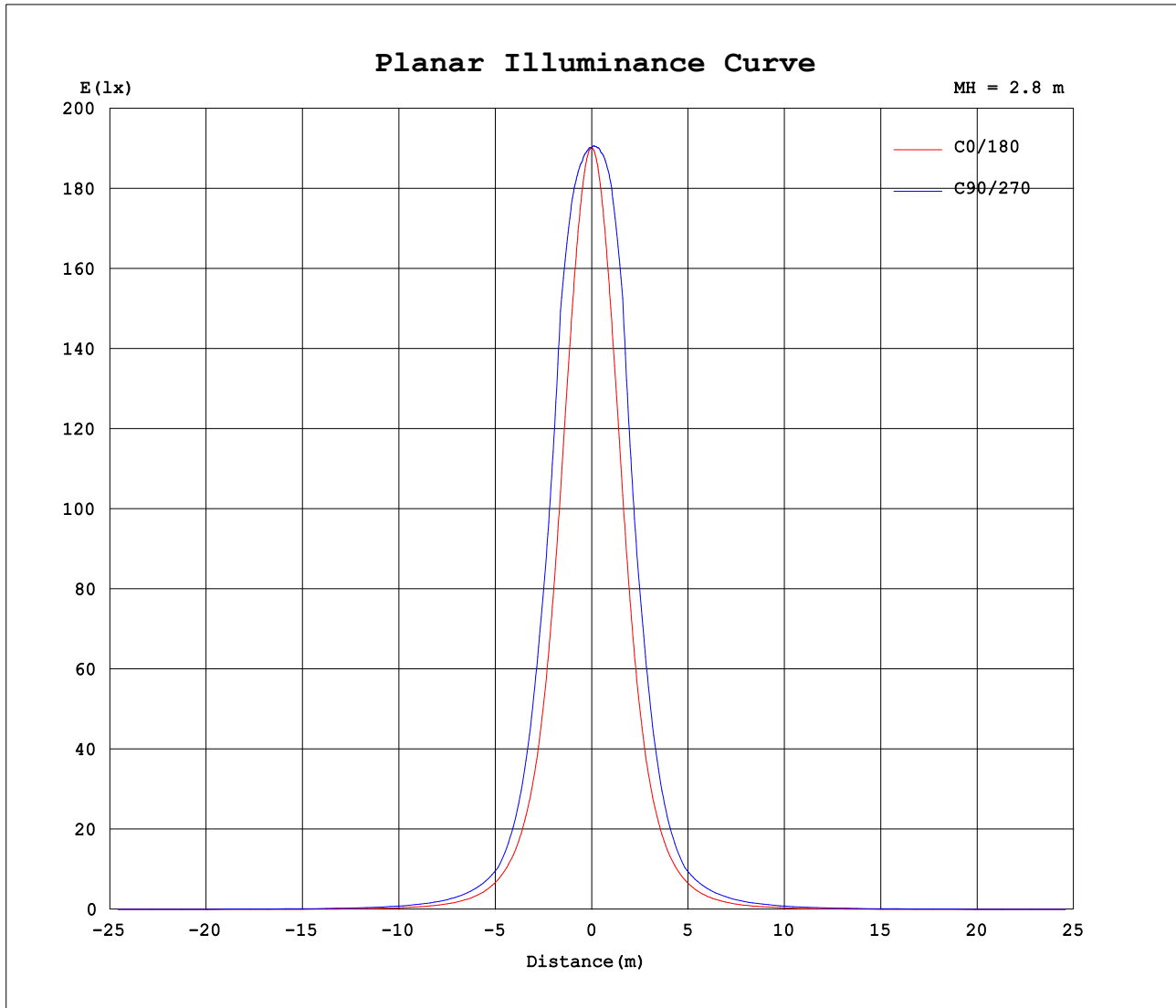
AvgL	cd/m2
L_0~180 (65) av	2760
L_0~180 (75) av	2034
L_0~180 (85) av	1209
L_90~270 (65) av	4363
L_90~270 (75) av	4286
L_90~270 (85) av	4301
L_45 (65) av	3168
L_45 (75) av	2721
L_45 (85) av	2650

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835-201810.9	
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491
5	1487	1487	1487	1488	1488	1489	1490	1492	1493	1494	1495	1496	1497	1499	1499	1500	1501	1501	1501
10	1473	1472	1472	1475	1479	1483	1486	1489	1496	1502	1509	1514	1518	1522	1526	1529	1531	1532	1533
15	1447	1445	1447	1455	1458	1466	1480	1490	1497	1513	1529	1542	1553	1563	1573	1582	1588	1592	1594
20	1406	1399	1411	1414	1428	1443	1455	1484	1502	1523	1552	1574	1594	1614	1635	1651	1662	1669	1671
25	1344	1335	1349	1358	1375	1399	1423	1455	1489	1517	1565	1592	1617	1653	1684	1707	1722	1733	1737
30	1257	1249	1252	1280	1299	1318	1369	1391	1447	1470	1532	1567	1616	1673	1716	1749	1776	1795	1804
35	1144	1142	1144	1152	1180	1225	1260	1280	1347	1381	1463	1509	1558	1591	1609	1630	1653	1667	1673
40	1010	1011	1018	1036	1065	1088	1106	1138	1214	1254	1298	1325	1386	1411	1446	1488	1519	1537	1541
45	867	856	851	871	896	918	944	981	1028	1062	1091	1147	1192	1231	1294	1346	1372	1390	1398
50	728	705	732	732	735	762	790	803	833	885	905	968	992	1046	1090	1114	1136	1152	1160
55	597	586	579	606	594	623	639	654	670	702	739	759	795	832	852	872	893	906	911
60	470	464	466	475	472	489	493	511	533	540	562	580	607	618	632	647	657	661	661
65	352	337	350	347	357	351	367	376	381	400	405	425	443	472	500	522	537	548	551
70	248	235	236	245	248	251	253	260	272	286	309	324	352	377	396	413	427	437	441
75	160	145	155	162	164	160	166	182	196	209	224	245	261	276	292	308	321	329	331
80	87.7	78.0	83.8	87.6	89.8	100	107	118	126	139	148	157	171	184	196	207	215	220	221
85	33.6	22.4	27.5	36.8	44.2	47.4	54.6	57.9	62.2	68.1	74.3	80.7	87.1	93.1	98.9	104	108	111	111
90	1.84	1.68	1.72	1.72	1.65	1.62	1.61	1.60	1.61	1.62	1.64	1.64	1.63	1.61	1.59	1.58	1.56	1.56	1.52

H(β) Range:-90 - 90DEG	V(B) Range:-90 - 90DEG
H(β) Interval: 1.0DEG	V(B) Interval: 2.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Temperature:25.3DEG	Humidity:65.0%
Operators:QC	Test Distance:10.500m [K=1.0000]
Test Date:09 October 2016	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table with 3 columns: NAME: PANEL, TYPE: P17CO-40NH-0606-1922835-2010, SPEC.: , DIM.: , SERIAL No.: , MFR.: ERVAN, SUR.: , Shielding Angle: . Includes test parameters: Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm

Table--2

UNIT: cd

Large data table with 20 columns (C (DEG) from 95 to 185) and 20 rows (gamma (DEG) from 0 to 90). Values range from 1.50 to 1491.

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835-100010.9	
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491
5	1490	1491	1493	1495	1496	1498	1499	1500	1502	1503	1505	1507	1508	1509	1509	1510	1510	1510	1509
10	1480	1483	1485	1489	1497	1504	1510	1516	1522	1528	1534	1540	1544	1547	1549	1551	1551	1550	1548
15	1457	1459	1472	1483	1492	1506	1522	1535	1549	1564	1579	1592	1602	1610	1616	1620	1621	1619	1615
20	1415	1430	1442	1459	1483	1499	1529	1556	1576	1603	1631	1654	1671	1686	1697	1704	1707	1704	1697
25	1356	1375	1395	1418	1450	1481	1515	1561	1591	1629	1667	1692	1716	1740	1760	1771	1774	1770	1758
30	1282	1288	1316	1357	1375	1436	1467	1521	1547	1610	1660	1700	1748	1791	1821	1838	1842	1832	1812
35	1162	1192	1215	1235	1279	1335	1354	1429	1471	1566	1585	1611	1647	1673	1686	1695	1698	1692	1678
40	1016	1033	1054	1095	1137	1185	1216	1289	1314	1364	1383	1440	1482	1507	1530	1547	1554	1549	1531
45	894	902	919	940	975	1027	1037	1072	1122	1155	1205	1265	1301	1338	1373	1393	1398	1391	1372
50	729	751	774	784	810	834	858	874	934	960	1025	1050	1080	1117	1142	1155	1157	1148	1132
55	615	603	630	632	637	657	691	716	735	775	800	822	857	882	894	902	905	900	887
60	471	467	489	480	499	514	523	550	565	586	597	621	635	641	646	650	652	652	648
65	348	357	351	371	373	383	397	396	410	415	447	470	491	512	530	540	544	540	530
70	252	246	251	258	266	268	267	288	305	331	348	368	391	411	425	434	436	431	421
75	159	156	159	167	173	183	195	210	226	239	258	277	295	308	319	325	328	325	317
80	86.6	86.3	93.2	99.9	111	118	129	135	148	161	173	184	194	204	212	217	219	218	213
85	34.1	39.2	43.6	50.5	53.2	59.5	65.1	69.5	74.3	79.6	85.8	92.2	98.2	104	108	110	111	110	108
90	2.30	2.33	2.38	2.43	2.49	2.55	2.62	2.68	2.76	2.82	2.88	2.93	2.96	2.98	3.00	3.00	2.98	2.95	2.90

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:09 October 2016

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.2V I:0.1691A P:37.29W PF:0.9539 Freq:50.00Hz Lamp Flux:4397.77x1 lm		
NAME: PANEL	TYPE:P17CO-40NH-0606-1922835-2016HT10.9	
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

Table--4

UNIT: cd

γ (DEG) \ C (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491	1491				
5	1509	1508	1507	1505	1504	1502	1500	1499	1497	1495	1493	1491	1490	1489	1488				
10	1545	1542	1538	1534	1529	1522	1515	1506	1499	1494	1490	1485	1480	1475	1474				
15	1608	1598	1587	1576	1564	1549	1531	1513	1504	1492	1476	1466	1462	1452	1447				
20	1684	1667	1646	1623	1602	1577	1545	1521	1502	1470	1455	1438	1421	1416	1401				
25	1741	1718	1686	1648	1622	1592	1542	1512	1474	1439	1412	1385	1366	1354	1337				
30	1784	1749	1704	1644	1593	1556	1492	1469	1408	1385	1330	1309	1287	1257	1252				
35	1654	1633	1615	1580	1530	1482	1396	1363	1294	1274	1235	1188	1158	1148	1144				
40	1500	1457	1423	1398	1336	1310	1264	1224	1147	1113	1095	1070	1040	1021	1012				
45	1346	1295	1233	1195	1150	1095	1066	1033	986	947	921	899	874	853	857				
50	1110	1085	1042	989	965	903	884	833	803	791	763	736	733	733	705				
55	865	846	827	790	754	735	698	668	652	638	623	594	607	578	586				
60	639	624	610	601	575	557	535	529	507	491	487	471	475	465	464				
65	514	493	465	437	418	399	395	376	372	364	348	355	345	349	336				
70	407	390	372	347	319	304	281	267	256	249	248	245	243	235	234				
75	304	288	273	257	241	220	205	193	179	163	157	161	160	153	145				
80	205	194	182	169	156	146	137	124	116	105	98.3	87.8	86.9	84.7	78.3				
85	103	98.4	92.7	86.7	80.2	73.8	67.6	61.7	57.4	54.0	46.7	43.6	38.1	32.7	29.9				
90	2.86	2.81	2.75	2.67	2.60	2.53	2.46	2.41	2.35	2.30	2.26	2.23	2.21	2.20	2.20				

H(β) Range:-90 - 90DEG	V(B) Range:-90 - 90DEG
H(β) Interval: 1.0DEG	V(B) Interval: 2.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Temperature:25.3DEG	Humidity:65.0%
Operators:QC	Test Distance:10.500m [K=1.0000]
Test Date:09 October 2016	Remarks: