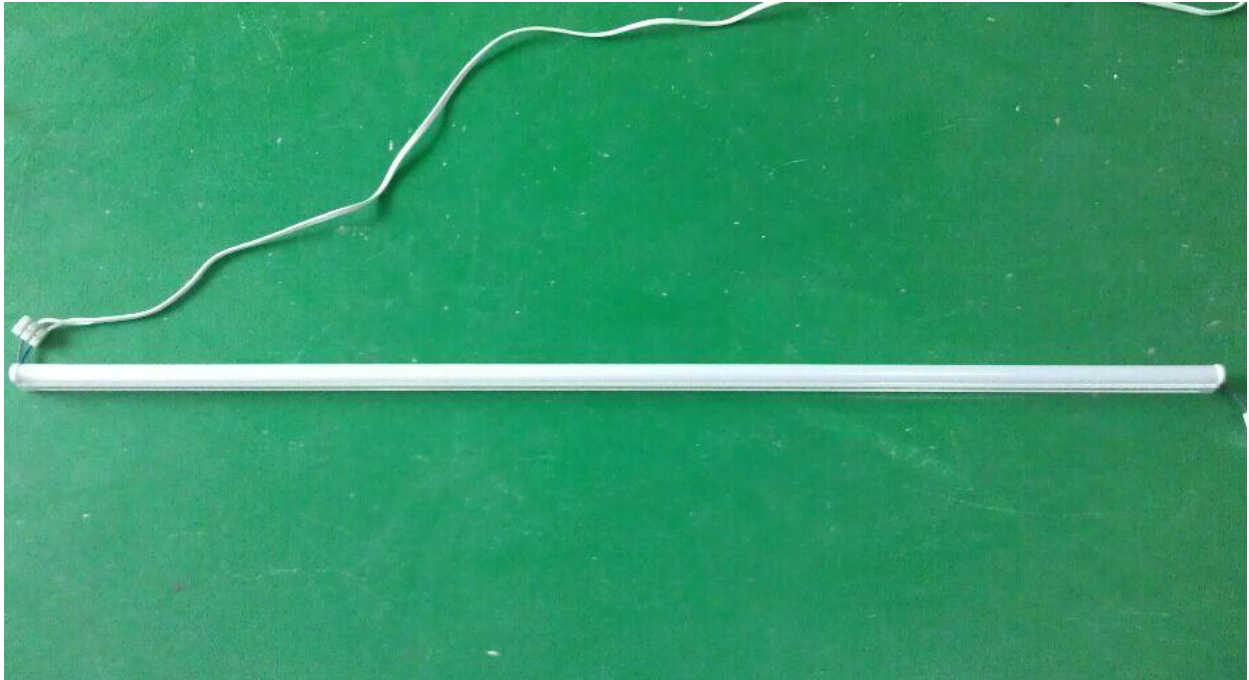


### Luminaire Photograph

202 026 104 03 DOWN LIGHT 4000K 14W  
Hera GmbH & Co. KG



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C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Killua  
Test Date:2015-03-11

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.3016]  
Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
LANS:WHITE PC  
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

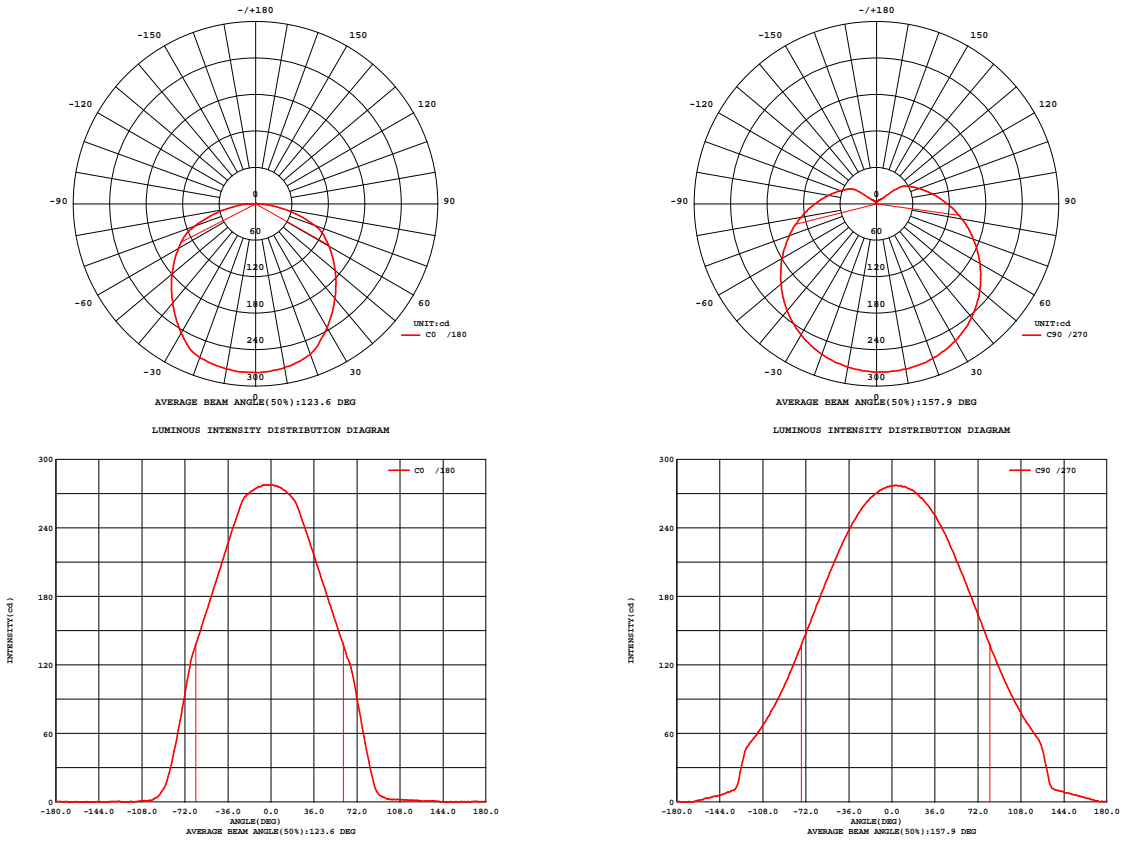


Fig. C0/C180

Fig. C90/C270

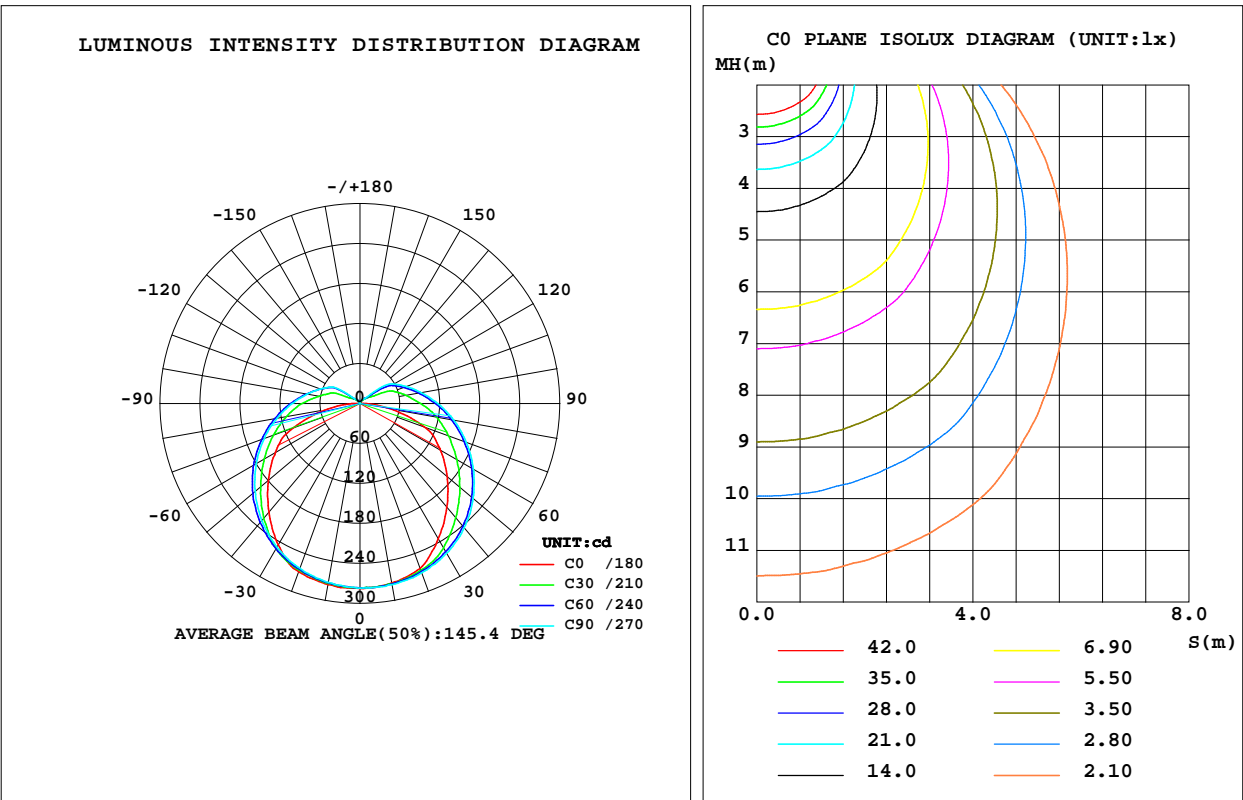
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Killua  
Test Date:2015-03-11

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.3016]  
Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
LANS:WHITE PC  
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:231.2V I:0.0645A P:13.80W PF:0.9265 Lamp Flux:1445x1 lm		
NAME: 202 026 104 03	TYPE:DOWN LIGHT	WEIGHT:
DIMENSION:	SPECIFICATION:4000K 14W SERIAL No.:1503116714	
MANUFACTURER: Hera GmbH & Co. KG	SURFACE:0.022m2	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.21 lm/W			
MODEL	SMD 3014	I <sub>max</sub> (cd)	277.7	S/MH(C0/180)	1.30
NOMINAL POWER(W)	14	EFFICIENCY(%)	90.0	S/MH(C90/270)	1.34
RATED VOLTAGE(V)	232	TOTAL FLUX(lm)	1300.3	h UP(C0-180)	6.4
NOMINAL FLUX(lm)	1445.2	CIE CLASS	SEMI-D.	h DN(C0-180)	37.1
LAMPS INSIDE	1	h up(%)	14.1	h UP(C180-360)	7.6
TEST VOLTAGE(V)	231.2	h down(%)	75.9	h DN(C180-360)	38.8

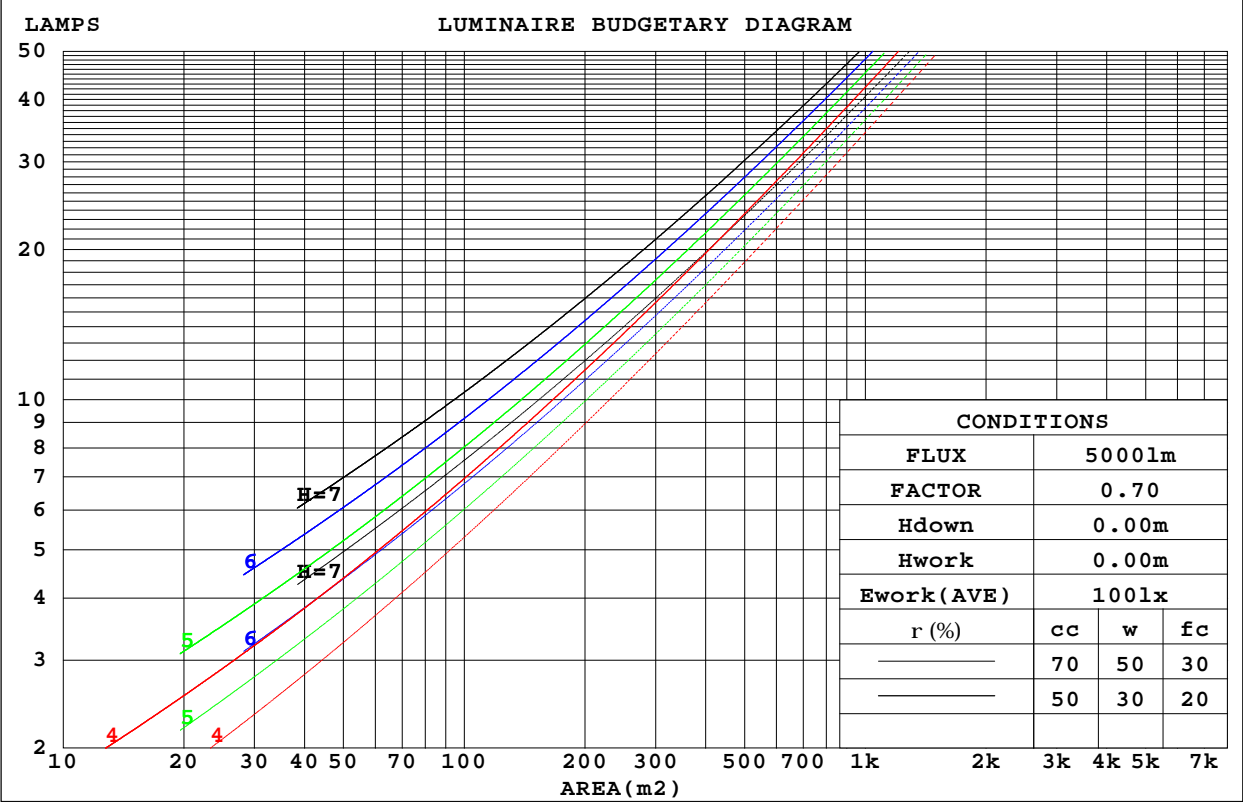


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Killua  
Test Date:2015-03-11

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.3016]  
Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
LANS:WHITE PC  
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.04	1.04	1.04	.00	.00	.00	.92	.92	.92	.85	.85	.85	.79	.79	.79	.76
1.0	.86	.81	.77	.83	.78	.74	.76	.72	.69	.70	.67	.64	.65	.62	.60	.57
2.0	.73	.66	.60	.70	.64	.58	.65	.59	.55	.60	.55	.51	.55	.51	.48	.45
3.0	.64	.55	.49	.61	.53	.47	.56	.50	.45	.52	.46	.42	.48	.43	.40	.37
4.0	.56	.47	.40	.54	.46	.39	.49	.43	.37	.46	.40	.35	.42	.37	.33	.31
5.0	.49	.41	.34	.47	.39	.33	.44	.37	.32	.41	.35	.30	.38	.33	.28	.26
6.0	.44	.36	.30	.43	.35	.29	.39	.33	.27	.37	.31	.26	.34	.29	.25	.23
7.0	.40	.32	.26	.38	.31	.25	.36	.29	.24	.33	.27	.23	.31	.26	.22	.20
8.0	.36	.28	.23	.35	.27	.22	.33	.26	.21	.30	.25	.20	.28	.23	.19	.17
9.0	.33	.25	.20	.32	.25	.20	.30	.23	.19	.28	.22	.18	.26	.21	.17	.16
10.0	.30	.23	.18	.29	.23	.18	.28	.21	.17	.26	.20	.16	.24	.19	.16	.14



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Killua  
Test Date:2015-03-11

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.3016]  
Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
LANS:WHITE PC  
30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	276.1	273.7	272.8	272.3	273.6	274.7	276.1	275.6	0- 10	26.30	26.30	2.02,1.82
20	269.0	265.8	263.5	262.6	263.8	267.6	270.6	269.9	10- 20	76.65	102.9	7.92,7.12
30	245.3	252.0	249.0	242.7	234.9	253.8	259.9	256.2	20- 30	119.7	222.6	17.1,15.4
40	212.6	229.1	229.3	218.3	202.8	232.3	243.4	233.4	30- 40	149.4	372.0	28.6,25.7
50	179.6	202.3	205.4	191.4	171.5	207.2	221.8	207.4	40- 50	164.7	536.7	41.3,37.1
60	146.8	175.0	179.6	163.5	139.3	180.8	196.6	179.4	50- 60	166.2	703.0	54.1,48.6
70	105.9	147.5	152.5	136.2	103.0	153.8	169.5	151.7	60- 70	156.1	859.1	66.1,59.4
80	49.11	120.6	126.1	109.7	45.83	127.8	142.6	123.5	70- 80	133.8	992.9	76.4,68.7
90	11.35	95.84	101.8	80.95	7.207	102.4	116.7	92.86	80- 90	104.0	1097	84.4,75.9
100	1.518	72.73	81.14	59.29	1.989	80.56	93.73	69.31	90-100	77.73	1175	90.3,81.3
110	0.8690	55.39	63.72	39.21	2.072	62.73	74.43	50.48	100-110	57.36	1232	94.7,85.2
120	0.1062	32.91	49.82	25.33	1.577	38.49	58.62	33.08	110-120	38.21	1270	97.7,87.9
130	0.5507	11.58	12.88	9.771	0.9320	14.14	27.02	12.96	120-130	18.99	1289	99.1,89.2
140	0.0038	6.692	7.388	4.877	0.6616	9.130	9.748	8.655	130-140	6.511	1296	99.6,89.7
150	0.1311	3.304	4.529	1.988	0.3352	5.930	7.103	4.757	140-150	3.111	1299	99.9,89.9
160	0.2414	0.9049	1.951	0.5312	0.3788	2.719	4.372	2.193	150-160	1.239	1300	100,90
170	0.1878	0.2289	0.3167	0	0.3988	0.7081	1.390	0.5467	160-170	0.2806	1300	100,90
180	0.4736	0.0053	0.4821	0.1675	0.1838	0.3775	0.2210	0.0777	170-180	0.0290	1300	100,90
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Killua  
Test Date:2015-03-11

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.3016]  
Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
LANS:WHITE PC  
30minutes warm-up

## WEC AND CCEC

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.356	.202	.064	.345	.197	.063	.325	.186	.060	.306	.177	.057	.289	.168	.054	
2.0	.307	.168	.052	.297	.164	.050	.279	.155	.048	.262	.147	.046	.246	.139	.044	
3.0	.272	.145	.043	.263	.141	.042	.246	.133	.041	.231	.127	.039	.217	.120	.037	
4.0	.244	.127	.037	.236	.124	.037	.221	.117	.035	.207	.111	.034	.194	.106	.032	
5.0	.221	.113	.033	.214	.110	.032	.201	.104	.031	.188	.099	.029	.176	.094	.028	
6.0	.202	.101	.029	.196	.099	.028	.184	.094	.027	.172	.089	.026	.161	.085	.025	
7.0	.187	.092	.026	.181	.090	.026	.169	.086	.025	.159	.081	.024	.149	.077	.023	
8.0	.173	.084	.024	.167	.082	.023	.157	.078	.022	.147	.075	.022	.138	.071	.021	
9.0	.161	.078	.022	.156	.076	.021	.146	.072	.021	.138	.069	.020	.129	.066	.019	
10.0	.150	.072	.020	.146	.070	.020	.137	.067	.019	.129	.064	.018	.121	.061	.017	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.279	.279	.279	.238	.238	.238	.163	.163	.163	.093	.093	.093	.030	.030	.030	
1.0	.276	.248	.223	.236	.213	.192	.161	.146	.133	.093	.085	.077	.030	.027	.025	
2.0	.270	.227	.192	.231	.196	.166	.158	.135	.116	.091	.079	.068	.029	.025	.022	
3.0	.263	.212	.172	.225	.183	.149	.155	.127	.105	.089	.074	.062	.029	.024	.020	
4.0	.256	.201	.159	.220	.174	.139	.151	.121	.098	.087	.071	.058	.028	.023	.019	
5.0	.249	.192	.151	.214	.166	.131	.147	.116	.093	.085	.068	.055	.027	.022	.018	
6.0	.242	.185	.144	.208	.160	.126	.144	.112	.089	.083	.066	.053	.027	.022	.017	
7.0	.236	.179	.140	.203	.155	.122	.140	.109	.086	.081	.064	.051	.026	.021	.017	
8.0	.230	.174	.136	.198	.151	.119	.137	.106	.084	.080	.063	.050	.026	.021	.017	
9.0	.224	.170	.133	.193	.147	.116	.134	.104	.083	.078	.061	.049	.025	.020	.016	
10.0	.218	.166	.131	.188	.144	.115	.131	.102	.081	.076	.060	.049	.025	.020	.016	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Killua  
Test Date:2015-03-11

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.3016]  
Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
LANS:WHITE PC  
30minutes warm-up

Uncorrected UGR Table

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	20.8	22.2	21.3	22.7	23.2	21.6	23.1	22.1	23.5	24.1
3H	22.8	24.2	23.4	24.7	25.2	24.1	25.4	24.6	25.9	26.5
4H	23.7	25.0	24.3	25.5	26.1	25.5	26.7	26.0	27.3	27.8
6H	24.4	25.6	25.0	26.1	26.8	27.0	28.2	27.5	28.7	29.3
8H	24.7	25.8	25.2	26.4	27.0	27.8	28.9	28.4	29.5	30.1
12H	24.9	26.0	25.5	26.6	27.2	28.7	29.8	29.3	30.4	31.0
4H 2H	21.8	23.0	22.3	23.6	24.2	22.4	23.7	22.9	24.2	24.8
3H	24.1	25.2	24.7	25.8	26.4	25.1	26.2	25.7	26.8	27.4
4H	25.2	26.2	25.8	26.8	27.5	26.7	27.7	27.3	28.3	29.0
6H	26.2	27.1	26.8	27.7	28.4	28.4	29.3	29.0	29.9	30.6
8H	26.6	27.4	27.2	28.1	28.8	29.3	30.1	29.9	30.8	31.5
12H	26.9	27.7	27.5	28.3	29.1	30.4	31.1	31.0	31.8	32.5
8H 4H	26.1	26.9	26.7	27.6	28.3	27.2	28.1	27.8	28.7	29.4
6H	27.5	28.2	28.2	28.9	29.6	29.2	29.9	29.9	30.6	31.4
8H	28.2	28.8	28.8	29.5	30.3	30.4	31.0	31.0	31.7	32.5
12H	28.8	29.3	29.5	30.0	30.8	31.7	32.2	32.4	32.9	33.7
12H 4H	26.3	27.1	26.9	27.7	28.5	27.3	28.1	28.0	28.7	29.5
6H	27.9	28.6	28.6	29.2	30.0	29.4	30.1	30.1	30.8	31.5
8H	28.8	29.4	29.5	30.1	30.9	30.7	31.3	31.4	32.0	32.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 1445 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.3)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Killua  
 Test Date:2015-03-11

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
 Humidity:65.0%  
 Test Distance:2.500m [K=1.3016]  
 Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
 LANS:WHITE PC  
 30minutes warm-up

## UTILIZATION FACTORS TABLE

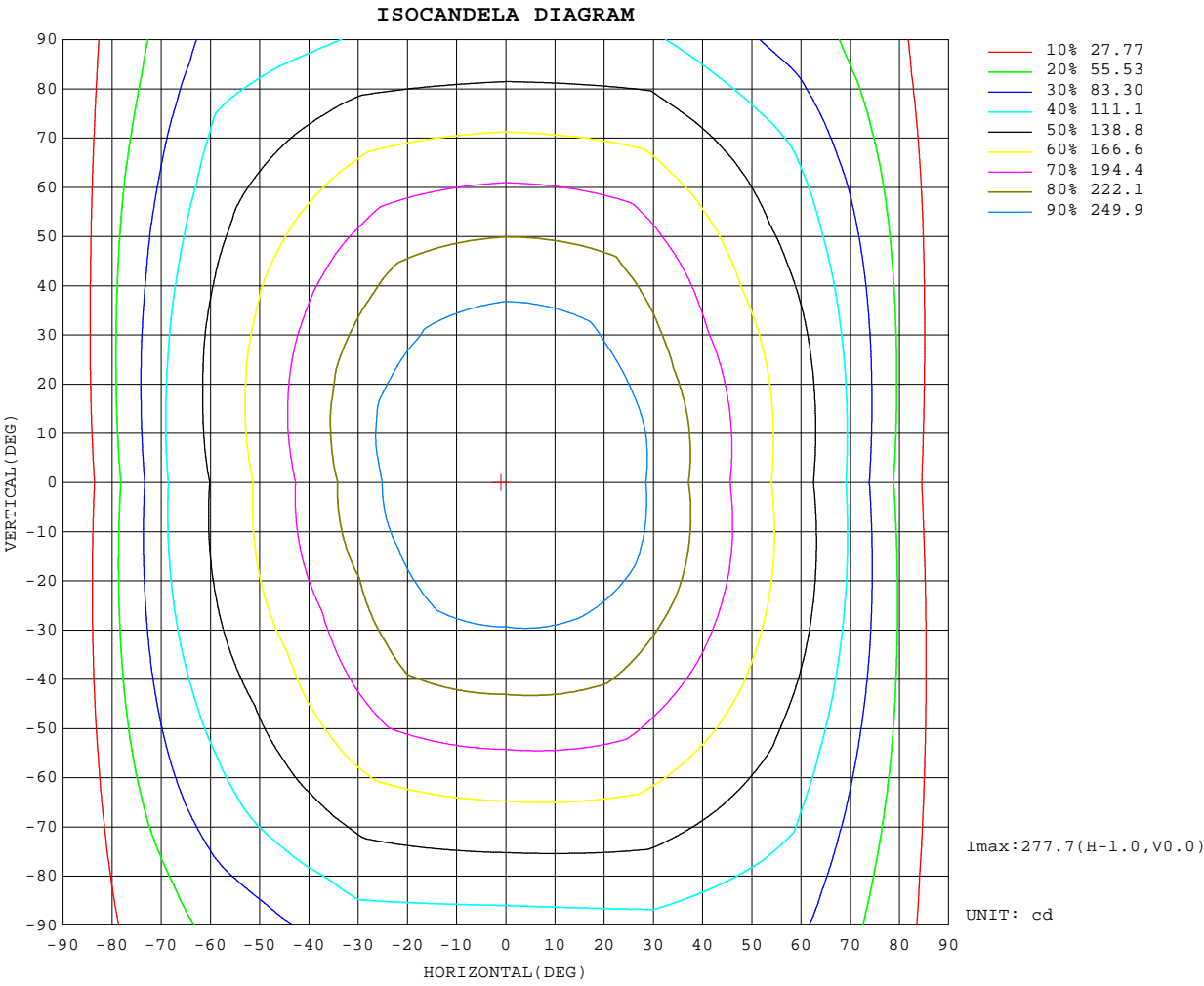
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	43	32	25	42	31	25	41	31	25	19
0.80	51	39	32	50	39	32	48	38	31	24
1.00	58	46	39	57	45	38	54	46	37	30
1.25	64	53	45	62	52	44	59	50	43	35
1.50	69	58	50	67	56	49	63	54	47	38
2.00	76	65	58	73	64	57	68	60	54	44
2.50	80	70	63	77	68	62	71	64	59	48
3.00	83	74	68	80	72	66	74	68	63	51
4.00	87	80	74	84	77	72	78	73	68	56
5.00	90	84	78	87	81	76	80	76	72	59
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Killua  
 Test Date:2015-03-11

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
 Humidity:65.0%  
 Test Distance:2.500m [K=1.3016]  
 Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
 LANS:WHITE PC  
 30minutes warm-up



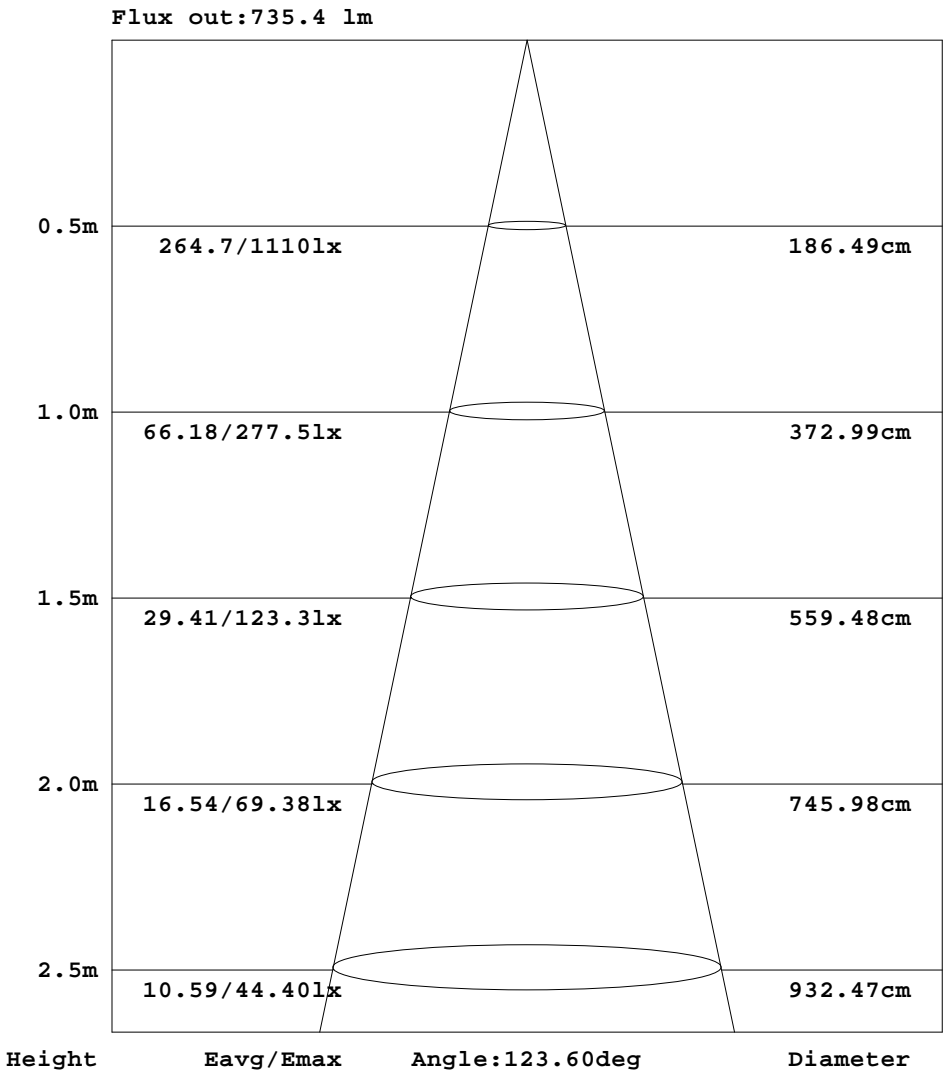
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
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LANS:WHITE PC  
30minutes warm-up

AAI Figure



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

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Killua  
Test Date:2015-03-11

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.3016]  
Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
LANS:WHITE PC  
30minutes warm-up

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C(DEG) g (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	277	277	277	277	276	276	277	277	277	277	276	276						
5	277	276	275	275	275	275	277	276	277	277	277	276						
10	276	274	273	273	273	272	274	274	275	276	276	275						
15	273	270	270	269	268	267	270	271	272	274	274	273						
20	269	267	265	263	263	262	264	267	269	271	271	269						
25	260	261	259	257	257	251	250	261	264	266	266	264						
30	245	252	252	249	249	237	235	251	257	260	259	253						
35	229	239	243	240	240	222	219	237	250	252	252	238						
40	213	225	233	229	229	207	203	224	241	243	244	223						
45	196	209	222	218	218	193	187	210	230	234	233	209						
50	180	195	210	205	205	178	171	196	219	222	222	193						
55	163	180	197	193	191	163	155	182	207	209	209	178						
60	147	166	184	180	178	149	139	168	194	197	195	163						
65	131	152	171	166	164	136	124	154	180	184	182	149						
70	106	138	157	153	151	122	103	141	166	170	168	136						
75	76.7	125	143	140	138	109	73.7	129	153	156	154	122						
80	49.1	112	130	126	125	94.5	45.8	117	139	143	141	106						
85	25.6	99.4	117	114	113	76.4	21.1	104	126	129	128	87.0						
90	11.4	87.3	104	102	100	61.5	7.21	91.3	114	117	115	71.1						
95	4.31	74.4	93.2	90.9	89.2	49.5	3.94	79.8	101	105	102	57.7						
100	1.52	63.3	82.2	81.1	78.3	40.3	1.99	70.7	90.4	93.7	90.9	47.7						
105	1.04	53.7	72.5	72.2	68.4	34.2	2.21	62.1	80.3	83.9	79.9	40.5						
110	0.87	46.7	64.1	63.7	60.0	18.4	2.07	54.5	71.0	74.4	69.7	31.3						
115	0.10	30.4	55.8	56.4	52.4	14.3	1.59	40.6	62.3	66.6	61.3	17.7						
120	0.11	17.3	48.5	49.8	39.1	11.6	1.58	22.1	54.9	58.6	51.2	14.9						
125	0.00	13.8	29.5	35.1	16.9	9.29	1.21	17.3	37.8	50.0	28.2	12.4						
130	0.55	10.9	12.2	12.9	12.5	7.04	0.93	12.8	15.4	27.0	15.6	10.3						
135	0.56	7.84	10.2	9.29	9.53	4.81	0.89	10.6	11.6	11.7	12.8	8.60						
140	0.00	5.64	7.74	7.39	6.84	2.92	0.66	8.51	9.75	9.75	10.4	6.94						
145	0.01	3.80	5.97	5.74	5.46	1.38	0.18	6.18	7.97	8.09	8.31	4.23						
150	0.13	1.82	4.79	4.53	3.69	0.29	0.34	5.04	6.82	7.10	6.52	3.00						
155	0.00	0.90	3.10	3.37	2.60	0.12	0.30	3.34	5.43	5.83	4.72	2.04						
160	0.24	0.00	1.81	1.95	0.97	0.09	0.38	1.62	3.82	4.37	3.52	0.86						
165	0.13	0.00	0.17	0.64	0.29	0.00	0.34	0.90	2.31	2.86	2.34	0.54						
170	0.19	0.30	0.16	0.32	0.00	0.00	0.40	0.09	1.32	1.39	0.82	0.27						
175	0.01	0.11	0.00	0.04	0.01	0.21	0.05	0.47	0.22	0.45	0.40	0.54						
180	0.47	0.01	0.00	0.48	0.01	0.33	0.18	0.43	0.33	0.22	0.00	0.16						

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Killua  
 Test Date:2015-03-11

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
 Humidity:65.0%  
 Test Distance:2.500m [K=1.3016]  
 Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
 LANS:WHITE PC  
 30minutes warm-up

## Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	277.5	277.0	276.9	277.0	276.4	276.1	277.5	277.0	276.9	277.0
3.0	277.4	276.5	276.2	276.0	276.1	275.5	276.7	276.6	276.6	277.2
6.0	277.6	275.6	275.2	274.5	275.0	274.3	275.6	275.9	276.1	276.7
9.0	275.8	274.5	273.8	273.1	273.4	272.5	274.5	274.6	275.5	275.9
12.0	274.7	273.0	271.9	270.9	271.0	270.0	272.6	273.6	274.1	275.4
15.0	272.8	270.5	269.9	268.8	268.3	267.3	269.5	271.3	272.4	273.9
18.0	270.3	268.3	267.5	266.0	265.6	264.0	266.1	269.0	270.4	272.3
21.0	267.7	265.4	264.3	262.5	261.8	260.0	261.4	265.4	267.6	269.7
24.0	263.2	261.8	260.3	258.6	258.0	253.5	253.6	262.1	265.1	266.4
27.0	254.5	257.8	256.5	253.9	253.7	246.0	244.4	257.3	261.2	263.7
30.0	245.3	252.0	252.0	249.0	248.7	236.8	234.9	250.6	257.0	259.9
33.0	235.6	244.6	246.6	243.7	243.3	228.0	225.4	242.7	252.7	255.6
36.0	226.1	235.6	240.9	237.6	237.7	219.5	216.0	234.8	248.0	250.9
39.0	216.1	227.4	234.8	231.6	231.4	210.5	206.5	226.1	242.3	245.3
42.0	206.1	218.4	228.8	224.8	224.9	201.6	196.7	218.3	236.3	239.6
45.0	196.2	209.5	221.9	217.8	217.7	192.9	186.9	209.9	229.9	233.6
48.0	186.3	201.1	215.2	210.6	209.6	183.9	177.2	201.6	223.8	226.7
51.0	176.2	191.9	207.7	203.0	202.1	175.0	167.7	192.6	216.6	219.3
54.0	166.5	183.0	199.7	195.1	194.1	166.5	158.3	184.3	208.9	211.7
57.0	157.0	174.1	191.9	187.4	185.6	157.9	148.9	176.3	201.2	204.3
60.0	146.8	165.8	184.3	179.6	177.5	149.4	139.3	168.1	193.5	196.6
63.0	137.2	157.4	176.0	172.0	169.4	140.7	129.7	159.5	185.3	188.8
66.0	127.3	148.8	167.8	163.6	161.4	132.7	121.1	151.3	177.4	180.6
69.0	112.0	140.6	159.6	155.4	153.5	124.8	109.0	144.0	169.0	172.3
72.0	94.19	132.5	151.2	147.4	145.6	117.2	91.14	136.3	161.3	164.4
75.0	76.70	124.7	143.2	139.7	137.9	109.2	73.71	128.6	152.9	156.4
78.0	59.79	116.9	134.9	131.4	130.1	101.2	56.72	121.2	144.6	148.2
81.0	44.04	109.2	126.8	123.5	122.6	90.52	40.47	114.1	136.6	140.0
84.0	30.09	101.9	119.1	115.9	115.0	80.10	25.83	106.6	128.5	131.9
87.0	18.57	94.38	111.9	108.4	107.6	69.73	13.08	98.63	120.6	124.5
90.0	11.35	87.27	104.4	101.8	100.4	61.45	7.207	91.27	113.6	116.7
93.0	6.396	79.62	97.12	95.24	93.42	53.43	4.884	84.11	105.7	109.5
96.0	3.821	72.03	90.49	88.65	87.00	47.28	3.479	78.02	98.95	102.9
99.0	1.941	65.13	84.28	82.70	80.63	42.23	2.543	72.44	92.04	96.12
102.0	1.575	59.06	78.10	77.22	74.04	37.71	2.238	67.29	86.06	89.67
105.0	1.044	53.73	72.46	72.21	68.39	34.16	2.206	62.10	80.32	83.89
108.0	0.6960	49.23	67.12	67.11	63.31	25.24	2.078	57.42	74.47	78.25
111.0	0.2889	45.03	62.07	62.31	58.57	16.84	1.925	52.61	69.15	72.70
114.0	0.2799	34.98	57.21	57.80	53.79	14.45	1.949	44.86	63.90	67.91
117.0	0.6059	21.56	53.58	53.83	48.92	13.23	1.585	31.47	59.62	63.32
120.0	0.1062	17.32	48.50	49.82	39.09	11.56	1.577	22.12	54.85	58.62
123.0	0.1361	15.10	39.37	43.84	23.71	9.520	1.290	18.56	46.47	54.16
126.0	0.4797	13.05	24.01	30.38	15.17	8.929	0.9137	16.02	32.59	46.07
129.0	0.3594	11.15	13.60	15.79	12.92	7.800	1.105	14.01	17.82	31.92
132.0	0.4344	9.413	11.46	10.51	11.36	5.939	0.9322	12.23	12.74	17.01
135.0	0.5569	7.840	10.22	9.294	9.535	4.806	0.8921	10.60	11.60	11.70
138.0	0.2465	6.483	8.640	8.265	7.532	3.385	0.5205	9.125	10.34	10.18
141.0	0.1090	5.286	7.059	6.904	6.627	2.325	0.4188	7.939	9.260	9.581
144.0	0.0633	4.127	6.199	5.623	5.850	1.919	0.3667	6.856	8.560	8.714
147.0	0.0114	3.013	5.256	5.075	4.947	1.026	0	6.230	7.530	8.234
150.0	0.1311	1.818	4.790	4.529	3.686	0.2908	0.3352	5.040	6.820	7.103
153.0	0.1007	0.9448	3.793	3.819	2.886	0.0432	0.2241	3.785	5.817	6.254
156.0	0	0.4732	2.636	3.237	2.238	0.0561	0.0765	2.988	5.020	5.359
159.0	0	0.3979	1.964	2.227	1.276	0.1498	0.4154	2.202	4.026	4.504
162.0	0.0419	0.1542	1.260	1.420	0.8611	0.1872	0.3160	1.688	3.230	3.757
165.0	0.1327	0	0.1679	0.6367	0.2866	0	0.3444	0.9023	2.309	2.860
168.0	0	0.1033	0.0760	0.0443	0.0552	0.1101	0.2867	0.5149	1.360	2.156
171.0	0.4117	0.3571	0.0079	0.0553	0	0.0647	0.6204	0.0432	0.7457	1.400
174.0	0.0617	0.3484	0.0295	0.2472	0.0882	0.0423	0.3306	0.2306	0.4440	0.2391
177.0	0.4123	0.0953	0	0.1552	0.1650	0.2964	0.2296	0.5701	0.3435	0.1817
180.0	0.4736	0.0106	0	0.4821	0.0068	0.3282	0.1838	0.4251	0.3300	0.2210
G/C	300.0	330.0								
0.0	276.4	276.1								
3.0	277.0	276.6								
6.0	276.9	276.3								
9.0	276.3	275.5								
12.0	275.5	274.6								
15.0	273.6	273.0								
18.0	271.8	271.2								
21.0	269.4	268.3								
24.0	266.8	265.2								
27.0	263.5	260.2								
30.0	259.5	252.9								

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Killua  
Test Date:2015-03-11

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.3016]  
Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
LANS:WHITE PC  
30minutes warm-up

Photometric Data Table [cd]

33.0	255.4	244.0
36.0	250.7	235.2
39.0	245.8	226.3
42.0	239.6	217.2
45.0	233.4	208.5
48.0	226.4	198.9
51.0	219.3	189.6
54.0	211.5	180.8
57.0	203.4	171.9
60.0	195.3	163.4
63.0	187.0	154.8
66.0	178.8	146.6
69.0	170.8	138.0
72.0	162.3	130.5
75.0	154.4	122.4
78.0	146.5	113.4
81.0	138.7	101.4
84.0	130.6	90.53
87.0	122.8	80.51
90.0	114.6	71.08
93.0	107.2	62.75
96.0	99.96	55.32
99.0	92.90	49.57
102.0	86.08	44.58
105.0	79.90	40.51
108.0	73.77	36.71
111.0	68.21	27.50
114.0	63.12	18.56
117.0	57.83	16.42
120.0	51.23	14.93
123.0	38.70	13.62
126.0	23.38	11.80
129.0	15.87	10.68
132.0	13.99	9.584
135.0	12.77	8.602
138.0	11.26	7.550
141.0	10.37	6.398
144.0	8.875	4.785
147.0	7.528	3.851
150.0	6.515	2.998
153.0	5.671	2.200
156.0	4.743	1.438
159.0	3.593	1.179
162.0	2.895	0.8974
165.0	2.343	0.5449
168.0	1.214	0.5063
171.0	0.7278	0.3648
174.0	0.5059	0.3663
177.0	0.1867	0.3407
180.0	0	0.1554

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Killua  
Test Date:2015-03-11

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
g Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.3016]  
Remarks: LAMP:SMD 3014 4000K 1138mm 14W nw  
LANS:WHITE PC  
30minutes warm-up