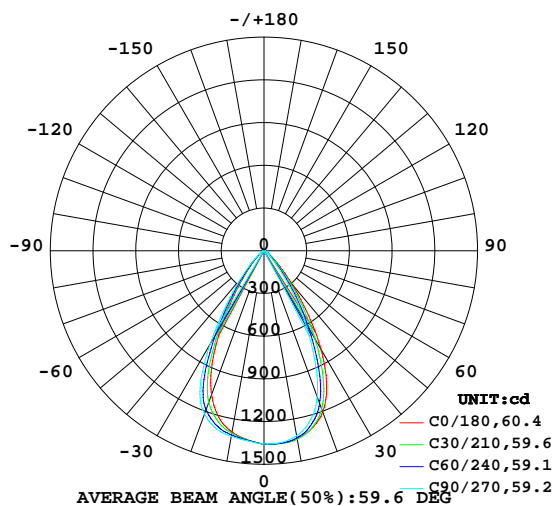


LUMINAIRE PHOTOMETRIC TEST REPORT

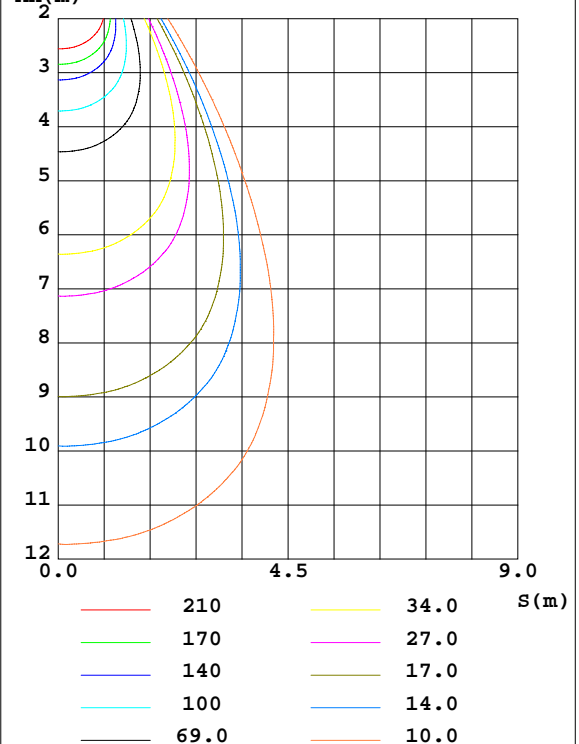
NAME: TLO015-02 WHITE	TYPE: CRI80 3000K	WEIGHT:
SPEC.: 60D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.37 lm/W			
MODEL	CLU028-1204C4	Imax(cd)	1361	S/MH(C0/180)	0.84
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.91
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1337.3	η UP, DN(C0-180)	0.7, 47.5
NOMINAL FLUX(lm)	1337.33	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.6, 51.2
LAMPS INSIDE	1	η up(%)	1.3	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	98.7	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: xyj
 Test Date: 2018-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

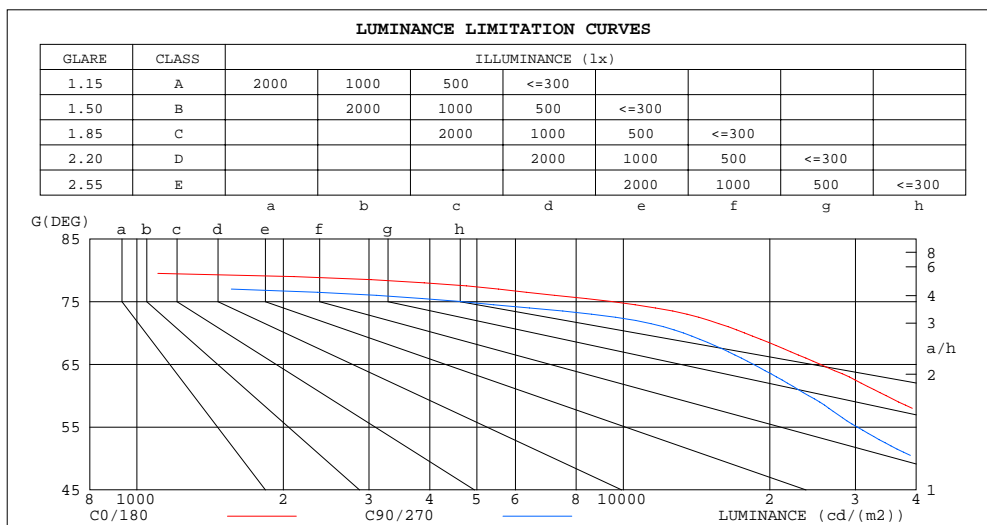
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1340	1342	1319	1302	1293	1306	1324	1329	0- 10	127.6	127.6	9.54,9.54
20	1206	1172	1091	1063	1077	1157	1221	1214	10- 20	352.7	480.3	35.9,35.9
30	801.9	681.0	571.7	572.3	573.7	635.0	756.6	826.3	20- 30	427.4	907.7	67.9,67.9
40	305.1	233.6	170.2	170.1	178.3	200.3	251.3	297.3	30- 40	262.7	1170	87.5,87.5
50	86.95	61.48	47.07	48.69	53.71	59.98	72.48	87.07	40- 50	96.32	1267	94.7,94.7
60	31.03	26.06	21.79	20.14	18.95	20.38	25.71	29.84	50- 60	36.13	1303	97.4,97.4
70	10.86	10.33	8.241	5.904	3.589	3.627	6.011	8.614	60- 70	14.48	1317	98.5,98.5
80	0.0323	0	0	0	0	0	0	0	70- 80	2.579	1320	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	0.0002	1320	98.7,98.7
100	0	0	0	0	0	0	0	0	90-100	0	1320	98.7,98.7
110	0	0	0	0	0	0	0	0	100-110	0	1320	98.7,98.7
120	0	0.0018	0.4663	0.7373	0	0	0	0	110-120	0.0214	1320	98.7,98.7
130	2.421	2.853	3.482	3.789	2.583	1.911	1.312	1.166	120-130	0.9825	1321	98.8,98.8
140	5.636	6.151	6.793	7.156	5.788	5.083	4.451	4.254	130-140	3.089	1324	99,99
150	8.711	9.120	9.766	9.985	8.660	7.990	7.491	7.279	140-150	4.479	1329	99.3,99.3
160	10.79	10.81	11.43	11.47	10.57	9.892	9.725	9.444	150-160	4.445	1333	99.7,99.7
170	12.01	12.04	12.40	12.63	12.12	11.80	11.55	11.43	160-170	3.163	1336	99.9,99.9
180	13.36	13.47	13.27	13.48	13.40	13.45	13.29	13.47	170-180	1.200	1337	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: TLO015-02 WHITE	TYPE:CRI80 3000K	WEIGHT:
SPEC.:60D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



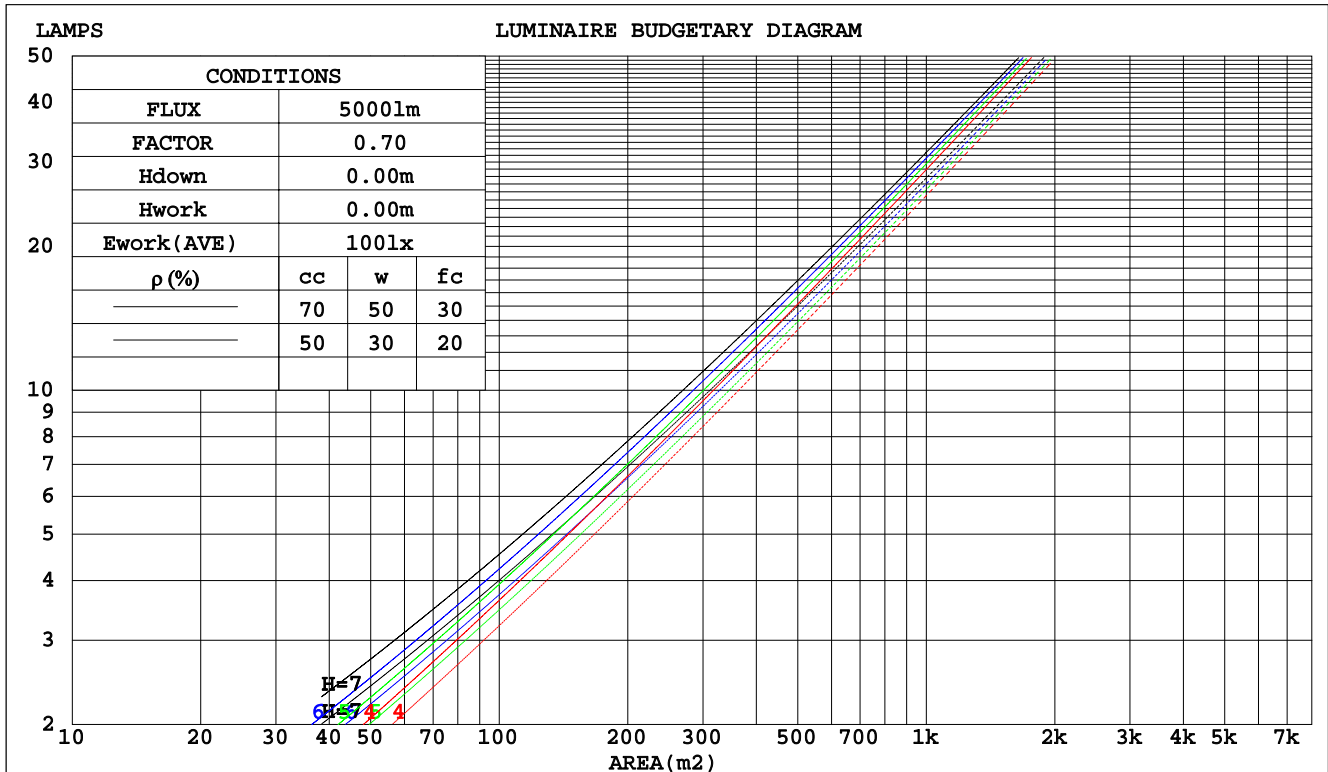
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO015-02 WHITE	TYPE: CRI80 3000K	WEIGHT:
SPEC.: 60D	DIM.:	SERIAL No.:
MFR.:	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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.10	1.07	1.05	1.08	1.05	1.03	1.03	1.02	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.02	.98	.94	1.00	.96	.93	.97	.94	.91	.93	.91	.89	.91	.88	.87	.85
3.0	.95	.89	.85	.93	.88	.85	.90	.86	.83	.88	.84	.82	.85	.83	.80	.79
4.0	.88	.82	.78	.87	.82	.77	.85	.80	.76	.82	.78	.75	.80	.77	.74	.73
5.0	.82	.76	.72	.81	.76	.71	.79	.74	.71	.77	.73	.70	.76	.72	.69	.67
6.0	.77	.71	.66	.76	.70	.66	.74	.69	.65	.73	.68	.65	.71	.67	.64	.63
7.0	.72	.66	.62	.71	.65	.61	.70	.65	.61	.69	.64	.60	.67	.63	.60	.59
8.0	.68	.62	.57	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.59	.56	.55
9.0	.64	.58	.54	.63	.57	.54	.62	.57	.53	.61	.56	.53	.60	.56	.53	.51
10.0	.60	.54	.50	.60	.54	.50	.59	.54	.50	.58	.53	.50	.57	.53	.50	.48



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 23DEG
Operators: xyj
Test Date: 2018-08-14

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.300m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: TLO015-02 WHITE	TYPE:CRI80 3000K	WEIGHT:
SPEC.:60D	DIM.:	SERIAL No.:
MFR.:	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	.185	.105	.033	.178	.101	.032	.165	.094	.030	.152	.088	.028	.141	.082	.026	
2.0	.178	.098	.030	.172	.095	.029	.161	.089	.028	.150	.084	.026	.141	.080	.025	
3.0	.170	.090	.027	.165	.088	.027	.155	.084	.026	.146	.080	.025	.138	.076	.024	
4.0	.162	.084	.025	.157	.082	.024	.149	.079	.024	.141	.076	.023	.134	.073	.022	
5.0	.154	.079	.023	.150	.077	.022	.143	.074	.022	.136	.072	.021	.129	.069	.021	
6.0	.147	.074	.021	.143	.072	.021	.137	.070	.020	.131	.068	.020	.125	.066	.020	
7.0	.140	.069	.020	.137	.068	.019	.131	.066	.019	.126	.064	.019	.120	.063	.018	
8.0	.134	.065	.018	.131	.065	.018	.126	.063	.018	.121	.061	.018	.116	.060	.017	
9.0	.128	.062	.017	.126	.061	.017	.121	.060	.017	.116	.058	.017	.112	.057	.016	
10.0	.123	.059	.016	.120	.058	.016	.116	.057	.016	.112	.056	.016	.108	.054	.016	

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	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.182	.167	.154	.155	.144	.133	.106	.099	.092	.061	.057	.053	.020	.018	.017	
2.0	.167	.143	.122	.143	.123	.105	.098	.085	.073	.057	.049	.043	.018	.016	.014	
3.0	.155	.124	.099	.133	.107	.085	.091	.074	.060	.053	.043	.035	.017	.014	.012	
4.0	.145	.109	.081	.125	.094	.071	.086	.066	.050	.050	.039	.029	.016	.013	.010	
5.0	.137	.098	.069	.118	.085	.060	.081	.059	.042	.047	.035	.025	.015	.011	.008	
6.0	.130	.089	.059	.112	.077	.051	.077	.054	.036	.045	.032	.022	.014	.010	.007	
7.0	.123	.081	.051	.106	.070	.045	.073	.049	.032	.043	.029	.019	.014	.010	.006	
8.0	.118	.075	.046	.101	.065	.040	.070	.046	.028	.041	.027	.017	.013	.009	.006	
9.0	.113	.070	.041	.097	.061	.036	.067	.043	.025	.039	.025	.015	.013	.008	.005	
10.0	.108	.066	.037	.093	.057	.032	.065	.040	.023	.038	.024	.014	.012	.008	.005	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: TLO015-02 WHITE					TYPE:CRI80 3000K					WEIGHT:				
SPEC.:60D					DIM.:					SERIAL No.:				
MFR.:					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					25.2	26.2	25.4	26.4	26.6	23.1	24.1	23.4	24.3	24.5
3H					25.1	26.1	25.4	26.3	26.5	23.1	24.0	23.4	24.3	24.5
4H					25.1	25.9	25.4	26.2	26.4	23.1	23.9	23.4	24.2	24.4
6H					25.0	25.8	25.3	26.1	26.3	23.0	23.8	23.3	24.0	24.3
8H					25.0	25.7	25.3	26.0	26.3	22.9	23.7	23.3	24.0	24.3
12H					24.9	25.6	25.2	25.9	26.2	22.9	23.6	23.2	23.9	24.2
4H 2H					25.0	25.9	25.3	26.1	26.4	23.0	23.9	23.3	24.1	24.4
3H					25.0	25.7	25.3	26.0	26.3	23.1	23.8	23.4	24.1	24.4
4H					25.0	25.6	25.3	25.9	26.3	23.0	23.7	23.4	24.0	24.3
6H					24.9	25.4	25.3	25.8	26.2	22.9	23.5	23.3	23.9	24.2
8H					24.8	25.3	25.2	25.7	26.1	22.9	23.4	23.3	23.8	24.2
12H					24.8	25.2	25.2	25.6	26.1	22.8	23.3	23.3	23.7	24.1
8H 4H					24.8	25.4	25.2	25.7	26.1	22.9	23.4	23.3	23.8	24.2
6H					24.7	25.2	25.2	25.6	26.0	22.8	23.2	23.3	23.7	24.1
8H					24.7	25.1	25.1	25.5	26.0	22.7	23.1	23.2	23.6	24.0
12H					24.6	24.9	25.1	25.4	25.9	22.7	23.0	23.2	23.5	24.0
12H 4H					24.8	25.3	25.2	25.7	26.1	22.9	23.3	23.3	23.7	24.2
6H					24.7	25.1	25.1	25.5	26.0	22.7	23.1	23.2	23.6	24.0
8H					24.6	24.9	25.1	25.4	25.9	22.7	23.0	23.2	23.5	24.0
Variations with the observer position at spacings:														
S = 1.0H					+ 3.0 / - 4.9					+ 2.1 / - 4.6				
1.5H					+ 4.6 / - 4.6					+ 3.6 / - 3.5				
2.0H					+ 4.9 / - 3.5					+ 3.0 / - 2.3				

CIE Pub.117, 1337 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.0$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: TLO015-02 WHITE	TYPE:CRI80 3000K	WEIGHT:
SPEC.:60D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

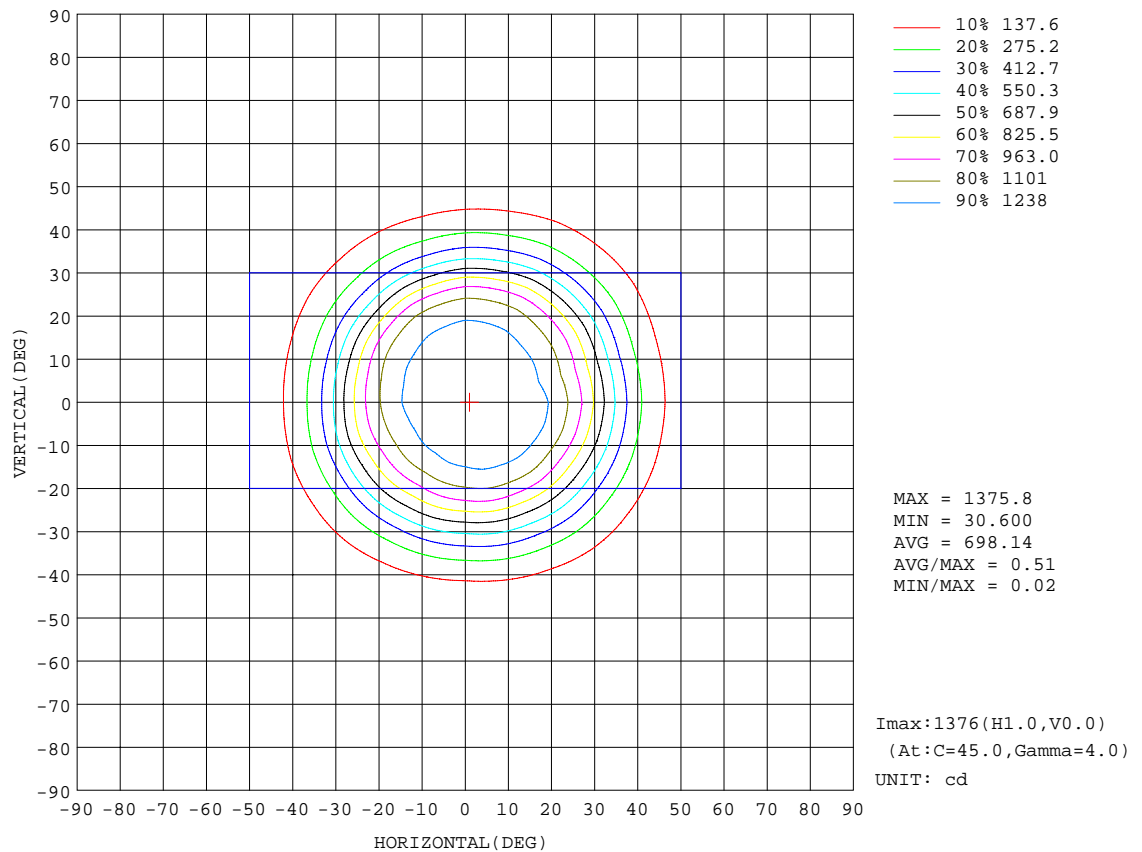
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	84	77	73	83	77	72	82	76	72	68
0.80	92	85	81	91	85	81	89	84	80	76
1.00	97	91	87	96	90	86	94	90	86	81
1.25	101	95	92	100	95	91	98	93	90	86
1.50	104	99	95	103	98	95	100	96	93	89
2.00	107	103	99	106	102	98	103	99	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	95
5.00	114	112	110	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: TLO015-02 WHITE	TYPE: CRI80 3000K	WEIGHT:
SPEC.: 60D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



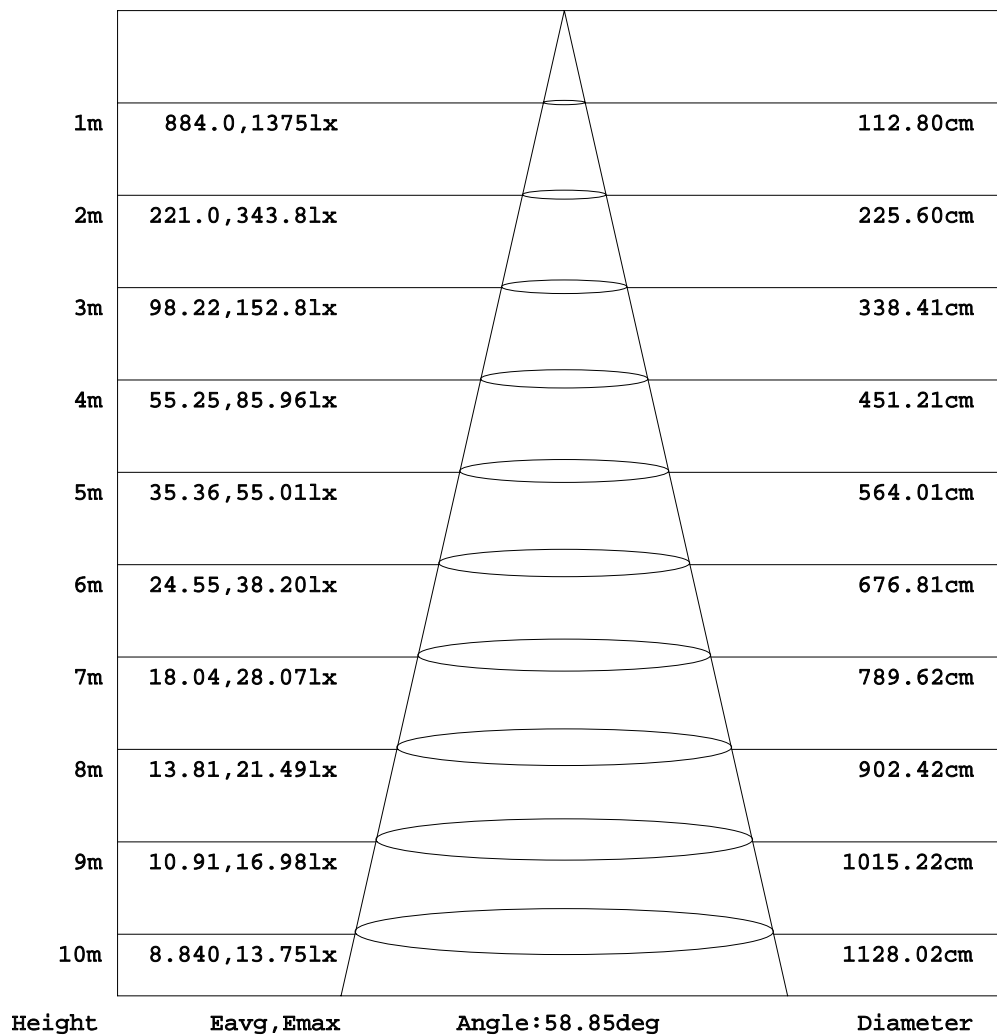
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 23DEG
Operators: xyj
Test Date: 2018-08-14

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.300m [K=1.0000]
Remarks:

AAI Figure

NAME: TLO015-02 WHITE	TYPE: CRI80 3000K	WEIGHT:
SPEC.: 60D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out: 888.9 lm



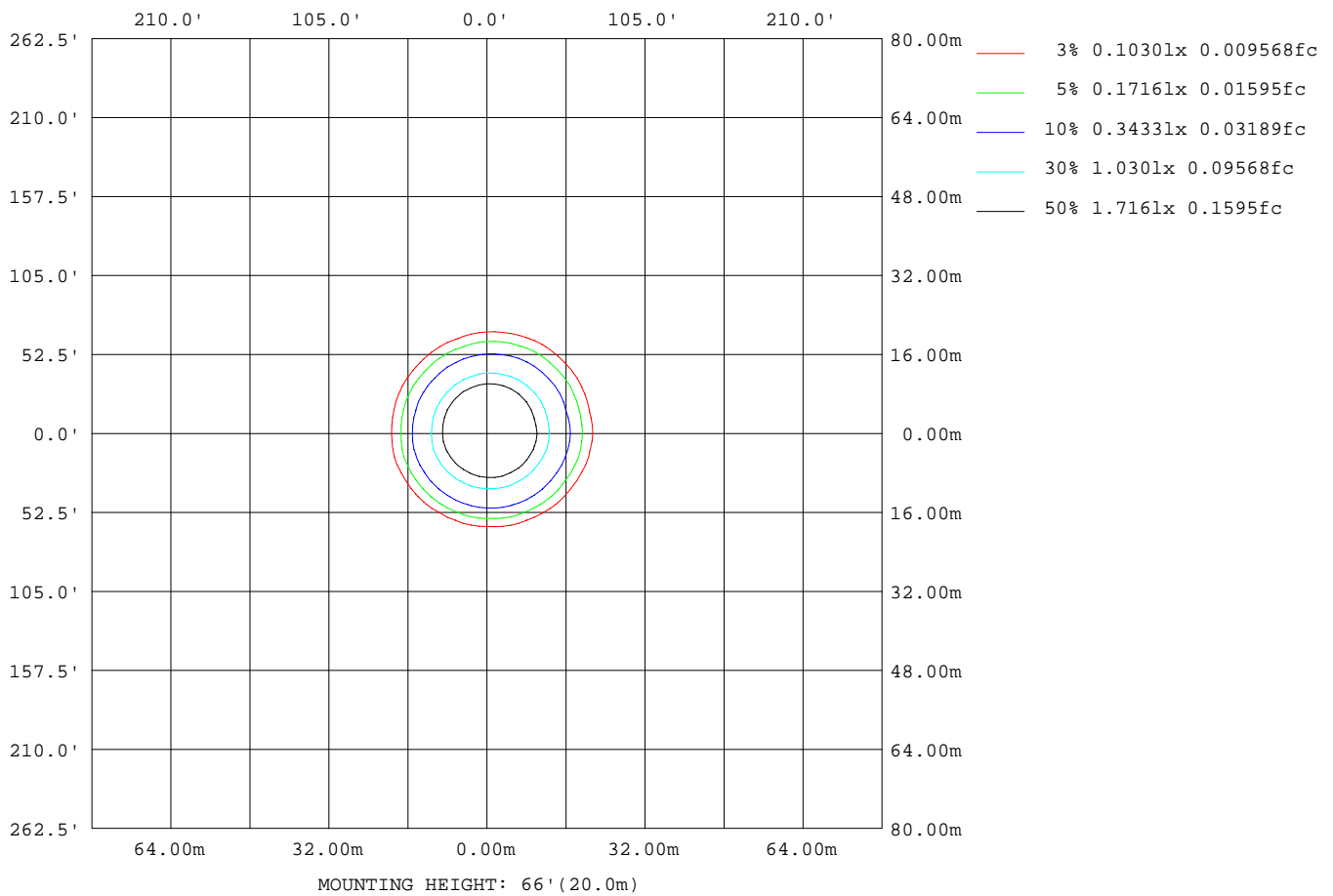
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: xyj
 Test Date: 2018-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: TLO015-02 WHITE	TYPE: CRI80 3000K	WEIGHT:
SPEC.: 60D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 23DEG
Operators: xyj
Test Date: 2018-08-14

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.300m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: TLO015-02 WHITE	TYPE:CRI80 3000K	WEIGHT:
SPEC.:60D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

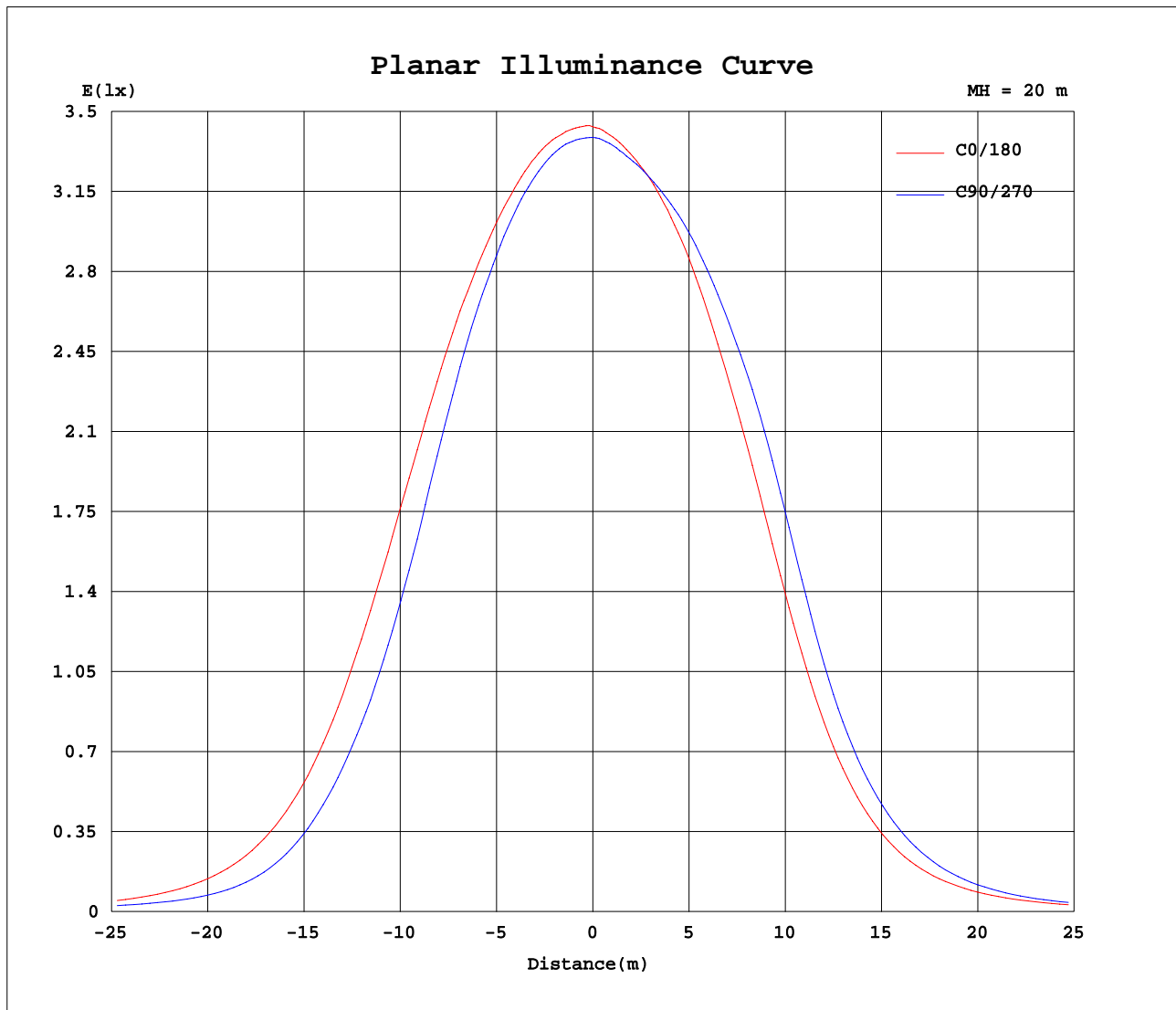
AvgL	cd/m2
L_0~180(65)av	19246
L_0~180(75)av	4687
L_0~180(85)av	0
L_90~270(65)av	18086
L_90~270(75)av	3315
L_90~270(85)av	0
L_45(65)av	18531
L_45(75)av	3920
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 23DEG
Operators: xyj
Test Date: 2018-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO015-02 WHITE	TYPE:CRI80 3000K	WEIGHT:
SPEC.:60D	DIM.:	SERIAL No.:
MFR.:	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	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357
5	1357	1359	1359	1359	1357	1356	1352	1349	1344	1341	1337	1336	1333	1332	1334	1334	1336	1338	1339
10	1340	1344	1344	1342	1334	1329	1319	1312	1304	1302	1296	1298	1293	1294	1301	1306	1313	1318	1324
15	1293	1298	1290	1286	1269	1261	1239	1231	1215	1218	1214	1223	1216	1224	1244	1256	1273	1282	1295
20	1206	1204	1183	1172	1141	1125	1091	1074	1054	1063	1062	1080	1077	1098	1134	1157	1189	1203	1221
25	1039	1024	983	958	907	882	841	833	816	833	838	867	854	873	919	950	999	1023	1062
30	802	771	716	681	632	608	572	569	559	572	581	594	574	584	615	635	679	703	757
35	530	506	460	432	392	370	341	333	323	331	333	347	333	342	361	372	399	418	455
40	305	287	255	234	205	189	170	168	164	170	172	183	178	184	196	200	216	228	251
45	161	149	129	117	99.2	90.5	82.2	81.1	80.7	86.2	89.4	97.2	95.4	98.8	104	107	116	120	133
50	86.9	79.1	68.8	61.5	54.9	50.7	47.1	45.9	45.6	48.7	50.8	54.6	53.7	55.6	58.4	60.0	64.0	66.7	72.5
55	50.0	46.3	41.3	38.3	35.2	33.5	31.5	30.6	29.8	30.9	31.7	33.2	32.5	33.1	35.0	36.0	38.3	39.6	42.3
60	31.0	29.6	27.3	26.1	24.3	23.3	21.8	21.0	20.0	20.1	19.8	20.2	18.9	18.9	19.9	20.4	22.1	23.3	25.7
65	19.2	18.9	17.8	17.2	15.9	15.3	14.2	13.5	12.5	12.2	11.4	11.2	10.2	9.99	10.3	10.4	11.3	11.9	13.5
70	10.9	11.0	10.5	10.3	9.56	9.11	8.24	7.55	6.46	5.90	4.97	4.63	3.59	3.28	3.52	3.63	4.33	4.85	6.01
75	4.39	4.78	4.44	4.32	3.51	3.01	2.18	1.69	1.08	0.77	0.30	0.16	0.00	0.00	0.00	0.00	0.02	0.33	0.93
80	0.03	0.18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.17	0.28	0.47	0.57	0.71	0.74	0.77	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.96	1.05	1.22	1.34	1.54	1.69	1.90	2.01	2.17	2.19	2.24	2.14	1.09	0.92	0.68	0.48	0.26	0.12	0.00
130	2.42	2.52	2.71	2.85	3.08	3.25	3.48	3.60	3.76	3.79	3.84	3.73	2.58	2.39	2.13	1.91	1.65	1.49	1.31
135	4.01	4.12	4.32	4.47	4.71	4.89	5.14	5.26	5.43	5.47	5.53	5.42	4.18	3.98	3.70	3.47	3.21	3.03	2.84
140	5.64	5.75	5.96	6.15	6.37	6.55	6.79	6.93	7.10	7.16	7.18	7.07	5.79	5.57	5.31	5.08	4.82	4.63	4.45
145	7.23	7.33	7.55	7.74	7.95	8.13	8.39	8.48	8.65	8.71	8.73	8.61	7.29	7.10	6.85	6.64	6.35	6.21	6.03
150	8.71	8.75	8.95	9.12	9.33	9.52	9.77	9.84	9.95	9.98	10.03	9.96	8.66	8.46	8.21	7.99	7.74	7.65	7.49
155	9.92	9.92	10.0	10.1	10.3	10.6	10.8	10.9	10.8	10.9	11.0	11.0	9.76	9.53	9.29	9.05	8.87	8.85	8.76
160	10.8	10.8	10.7	10.8	11.0	11.2	11.4	11.5	11.4	11.5	11.6	11.7	10.6	10.4	10.1	9.89	9.80	9.78	9.72
165	11.4	11.4	11.2	11.4	11.6	11.8	11.9	12.0	12.0	12.0	12.1	12.2	11.3	11.2	10.9	10.8	10.7	10.7	10.6
170	12.0	12.0	11.9	12.0	12.2	12.3	12.4	12.5	12.5	12.6	12.8	12.8	12.1	12.1	12.0	11.8	11.7	11.6	11.6
175	12.7	12.7	12.8	12.9	13.0	13.0	13.0	13.0	13.1	13.3	13.3	13.3	13.0	12.9	13.0	12.9	12.8	12.7	12.6
180	13.4	13.4	13.4	13.5	13.4	13.3	13.3	13.3	13.3	13.5	13.4	13.4	13.4	13.3	13.4	13.5	13.4	13.3	13.3

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-08-14

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO015-02 WHITE	TYPE: CRI80 3000K	WEIGHT:
SPEC.: 60D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1357	1357	1357	1357	1357														
5	1342	1347	1350	1353	1354														
10	1326	1329	1329	1331	1330														
15	1297	1300	1293	1292	1286														
20	1222	1225	1214	1212	1196														
25	1072	1087	1072	1065	1035														
30	781	823	826	829	800														
35	476	516	532	542	523														
40	266	290	297	309	297														
45	142	155	159	165	159														
50	77.0	84.6	87.1	90.1	86.4														
55	44.3	47.9	49.5	51.2	49.6														
60	27.1	29.1	29.8	31.0	30.4														
65	14.6	16.2	16.9	18.0	18.0														
70	6.77	7.93	8.61	9.54	9.70														
75	1.31	1.93	2.25	2.83	3.10														
80	0.00	0.00	0.00	0.00	0.00														
85	0.00	0.00	0.00	0.00	0.00														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	1.23	1.14	1.17	1.19	1.30														
135	2.75	2.64	2.66	2.68	2.81														
140	4.34	4.25	4.25	4.26	4.37														
145	5.91	5.81	5.83	5.82	5.93														
150	7.37	7.26	7.28	7.27	7.40														
155	8.63	8.48	8.46	8.52	8.65														
160	9.62	9.50	9.44	9.52	9.68														
165	10.6	10.5	10.4	10.4	10.6														
170	11.5	11.5	11.4	11.4	11.5														
175	12.6	12.7	12.6	12.5	12.6														
180	13.2	13.3	13.5	13.4	13.4														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: xyj
 Test Date: 2018-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks: