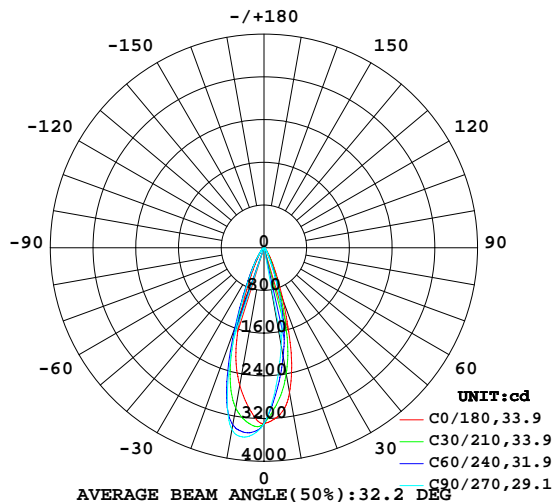


LUMINAIRE PHOTOMETRIC TEST REPORT

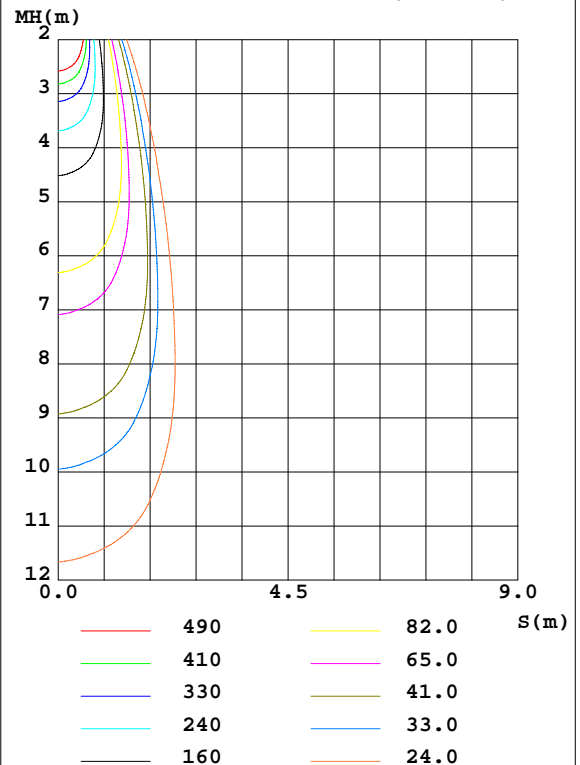
NAME: TLO015-02 WHITE	TYPE: CRI80 3000K	WEIGHT:
SPEC.: 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.42 lm/W			
MODEL	CLU028-1204C4	I _{max} (cd)	3566	S/MH(C0/180)	0.55
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.59
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1273.8	η UP, DN(C0-180)	0.9, 39.7
NOMINAL FLUX(lm)	1273.77	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.6, 58.9
LAMPS INSIDE	1	η up(%)	1.5	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	98.5	CIBSE SHR MAX	0.50

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:

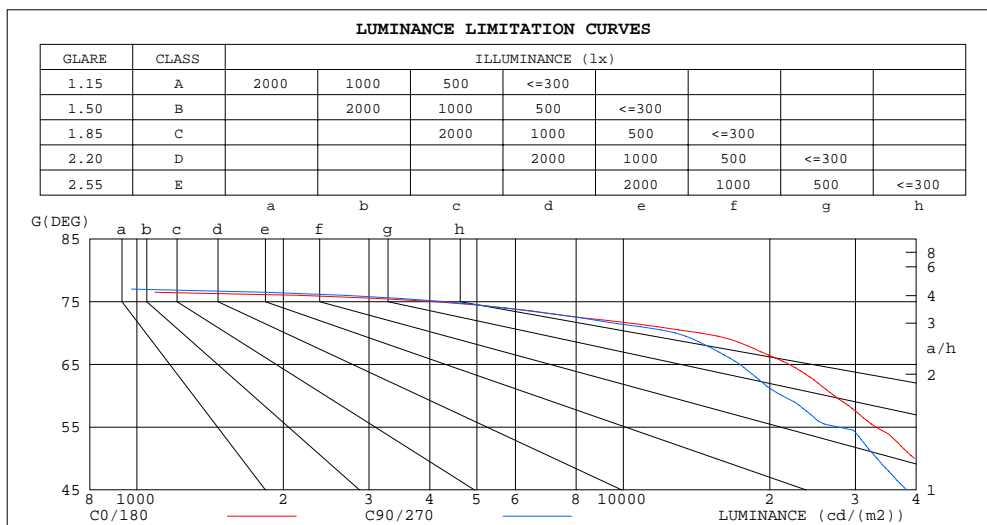
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	2756	2240	1861	2032	2616	3202	3457	3164	0- 10	281.7	281.7	22.1,22.1
20	1045	776.5	676.4	841.6	1210	1535	1472	1188	10- 20	520.8	802.5	63,63
30	280.3	177.1	150.9	181.4	288.1	403.9	367.2	301.1	20- 30	257.0	1059	83.2,83.2
40	88.65	67.25	63.08	69.88	92.30	113.4	106.5	92.88	30- 40	95.61	1155	90.7,90.7
50	46.48	39.49	38.64	40.69	47.09	53.65	53.08	48.46	40- 50	47.95	1203	94.4,94.4
60	24.75	20.70	19.18	21.39	26.70	30.26	30.55	26.98	50- 60	31.26	1234	96.9,96.9
70	8.963	7.877	7.919	9.412	11.82	13.29	12.80	10.02	60- 70	17.21	1251	98.3,98.3
80	0	0	0	0	0	0	0	0	70- 80	3.794	1255	98.5,98.5
90	0	0	0	0	0	0	0	0	80- 90	0	1255	98.5,98.5
100	0	0	0	0	0	0	0	0	90-100	0	1255	98.5,98.5
110	0	0	0	0	0	0	0	0	100-110	0	1255	98.5,98.5
120	0	0	0	0	0	0	0	0	110-120	0	1255	98.5,98.5
130	1.964	3.022	3.197	2.341	0.0201	0	0	0	120-130	0.3443	1256	98.6,98.6
140	7.087	8.394	8.904	7.908	4.508	3.236	2.659	3.545	130-140	2.534	1258	98.8,98.8
150	12.15	12.80	13.38	12.66	9.944	8.727	8.377	9.279	140-150	5.219	1263	99.2,99.2
160	13.67	13.15	13.91	13.80	13.14	12.70	12.89	12.97	150-160	5.745	1269	99.6,99.6
170	11.11	10.32	10.65	11.22	11.55	12.22	12.67	12.25	160-170	3.604	1273	99.9,99.9
180	10.18	10.68	10.49	10.89	10.19	10.68	10.49	10.89	170-180	1.047	1274	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.:36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	0	0
75	4069	4280
70	14368	12804
65	21932	17358
60	27145	21214
55	33044	27666
50	39643	33241
45	47889	38247

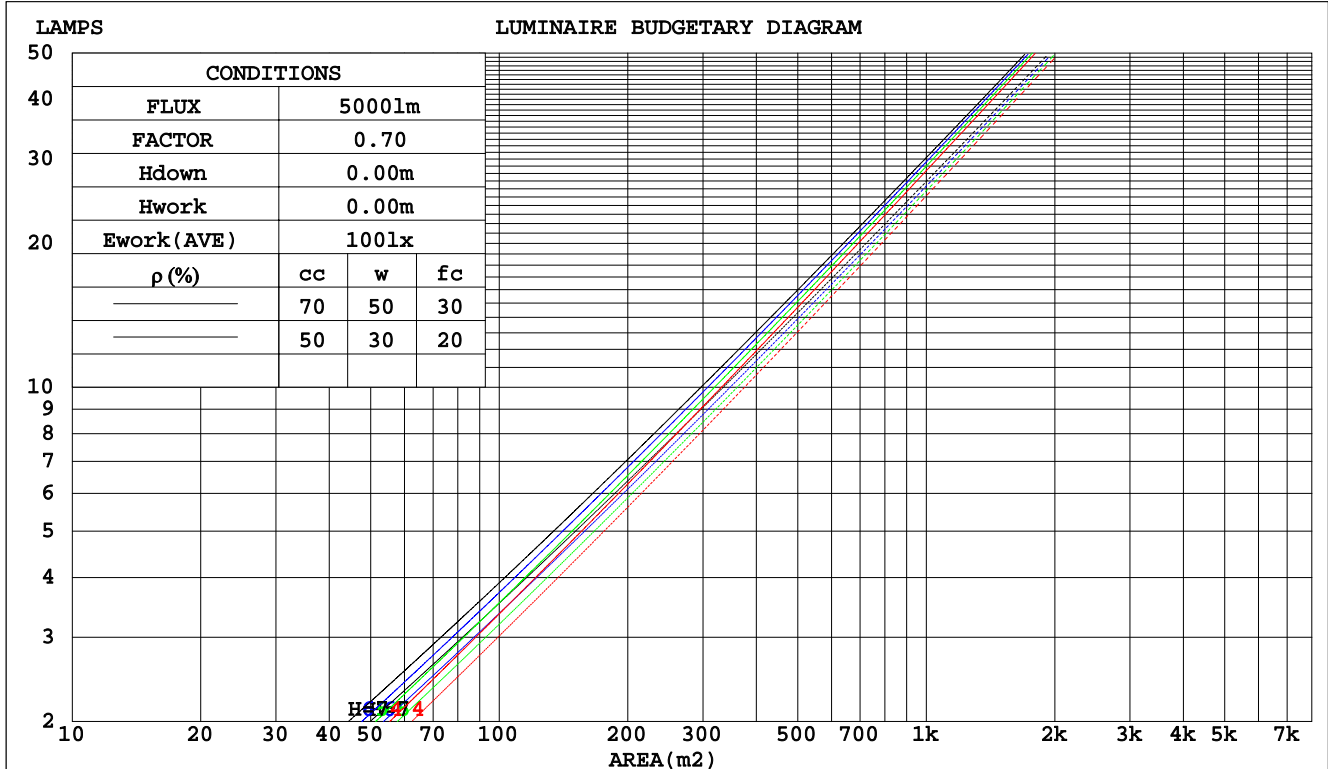
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-08-14

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.: 36D	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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.99	.98	.97	.96	.95	.93
2.0	1.05	1.01	.98	1.03	.99	.97	.99	.97	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.99	.94	.91	.97	.93	.90	.94	.91	.88	.92	.89	.87	.89	.87	.85	.84
4.0	.93	.89	.85	.92	.88	.84	.90	.86	.83	.88	.85	.82	.86	.83	.81	.80
5.0	.89	.84	.80	.88	.83	.80	.86	.82	.79	.84	.81	.78	.83	.80	.77	.76
6.0	.85	.80	.76	.84	.79	.76	.82	.78	.75	.81	.77	.74	.79	.76	.74	.72
7.0	.81	.76	.72	.80	.75	.72	.79	.75	.71	.78	.74	.71	.76	.73	.71	.69
8.0	.78	.72	.69	.77	.72	.69	.76	.71	.68	.75	.71	.68	.74	.70	.68	.67
9.0	.74	.69	.66	.74	.69	.66	.73	.69	.66	.72	.68	.65	.71	.68	.65	.64
10.0	.72	.67	.63	.71	.66	.63	.70	.66	.63	.70	.66	.63	.69	.65	.63	.62



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.:36D	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	.162	.092	.029	.155	.089	.028	.142	.081	.026	.130	.075	.024	.118	.069	.022	
2.0	.153	.084	.026	.147	.081	.025	.136	.076	.024	.126	.071	.022	.116	.066	.021	
3.0	.144	.077	.023	.139	.075	.022	.130	.070	.021	.121	.066	.020	.113	.062	.019	
4.0	.136	.071	.021	.132	.069	.020	.124	.066	.020	.116	.062	.019	.109	.059	.018	
5.0	.129	.066	.019	.125	.064	.019	.118	.061	.018	.111	.059	.017	.105	.056	.017	
6.0	.122	.061	.017	.118	.060	.017	.112	.058	.017	.106	.055	.016	.101	.053	.016	
7.0	.116	.057	.016	.113	.056	.016	.107	.054	.016	.102	.052	.015	.097	.051	.015	
8.0	.110	.054	.015	.108	.053	.015	.103	.051	.015	.098	.050	.014	.094	.048	.014	
9.0	.105	.051	.014	.103	.050	.014	.098	.049	.014	.094	.047	.014	.090	.046	.013	
10.0	.101	.048	.013	.099	.048	.013	.095	.046	.013	.091	.045	.013	.087	.044	.013	

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	.202	.202	.202	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.181	.169	.157	.155	.145	.135	.106	.100	.094	.061	.058	.054	.020	.019	.018	
2.0	.165	.144	.126	.141	.124	.109	.097	.086	.076	.056	.050	.045	.018	.016	.015	
3.0	.152	.125	.103	.130	.108	.090	.089	.075	.063	.052	.044	.037	.017	.014	.012	
4.0	.140	.110	.086	.120	.095	.075	.083	.066	.053	.048	.039	.031	.015	.013	.010	
5.0	.131	.098	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
6.0	.123	.088	.064	.105	.076	.056	.073	.054	.039	.042	.031	.023	.014	.010	.008	
7.0	.115	.080	.056	.099	.070	.049	.069	.049	.035	.040	.029	.021	.013	.009	.007	
8.0	.109	.074	.050	.094	.064	.043	.065	.045	.031	.038	.027	.018	.012	.009	.006	
9.0	.104	.069	.045	.089	.060	.039	.062	.042	.028	.036	.025	.017	.012	.008	.005	
10.0	.099	.064	.041	.085	.056	.036	.059	.039	.025	.035	.023	.015	.011	.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.:36D					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					19.1	19.9	19.3	20.0	20.2	17.8	18.6	18.1	18.8	19.0
3H					19.4	20.2	19.7	20.4	20.6	18.3	19.0	18.5	19.2	19.4
4H					19.4	20.1	19.7	20.3	20.6	18.2	18.9	18.5	19.2	19.4
6H					19.3	20.0	19.6	20.2	20.5	18.1	18.8	18.4	19.1	19.3
8H					19.3	19.9	19.6	20.2	20.5	18.1	18.7	18.4	19.0	19.3
12H					19.2	19.8	19.6	20.1	20.4	18.0	18.7	18.4	18.9	19.2
4H 2H					19.2	19.9	19.5	20.1	20.4	18.1	18.8	18.4	19.0	19.3
3H					19.6	20.2	19.9	20.5	20.8	18.6	19.2	18.9	19.5	19.8
4H					19.6	20.1	19.9	20.4	20.8	18.5	19.1	18.9	19.4	19.7
6H					19.5	19.9	19.8	20.3	20.7	18.4	18.9	18.8	19.3	19.7
8H					19.4	19.9	19.8	20.2	20.6	18.4	18.8	18.8	19.2	19.6
12H					19.3	19.8	19.8	20.2	20.6	18.3	18.7	18.8	19.1	19.6
8H 4H					19.4	19.9	19.8	20.3	20.7	18.4	18.9	18.8	19.3	19.6
6H					19.3	19.7	19.8	20.1	20.6	18.3	18.7	18.8	19.1	19.5
8H					19.3	19.6	19.7	20.0	20.5	18.2	18.6	18.7	19.0	19.5
12H					19.2	19.5	19.7	20.0	20.5	18.2	18.5	18.7	18.9	19.4
12H 4H					19.4	19.8	19.8	20.2	20.6	18.4	18.8	18.8	19.2	19.6
6H					19.3	19.6	19.7	20.0	20.5	18.2	18.6	18.7	19.0	19.5
8H					19.2	19.5	19.7	20.0	20.5	18.2	18.5	18.7	18.9	19.4
Variations with the observer position at spacings:														
S = 1.0H					+ 1.3 / - 1.3					+ 0.8 / - 1.2				
1.5H					+ 2.0 / - 1.0					+ 0.5 / - 0.6				
2.0H					+ 1.8 / - 1.7					+ 1.4 / - 1.5				

CIE Pub.117, 1274 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.8$)

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.:36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

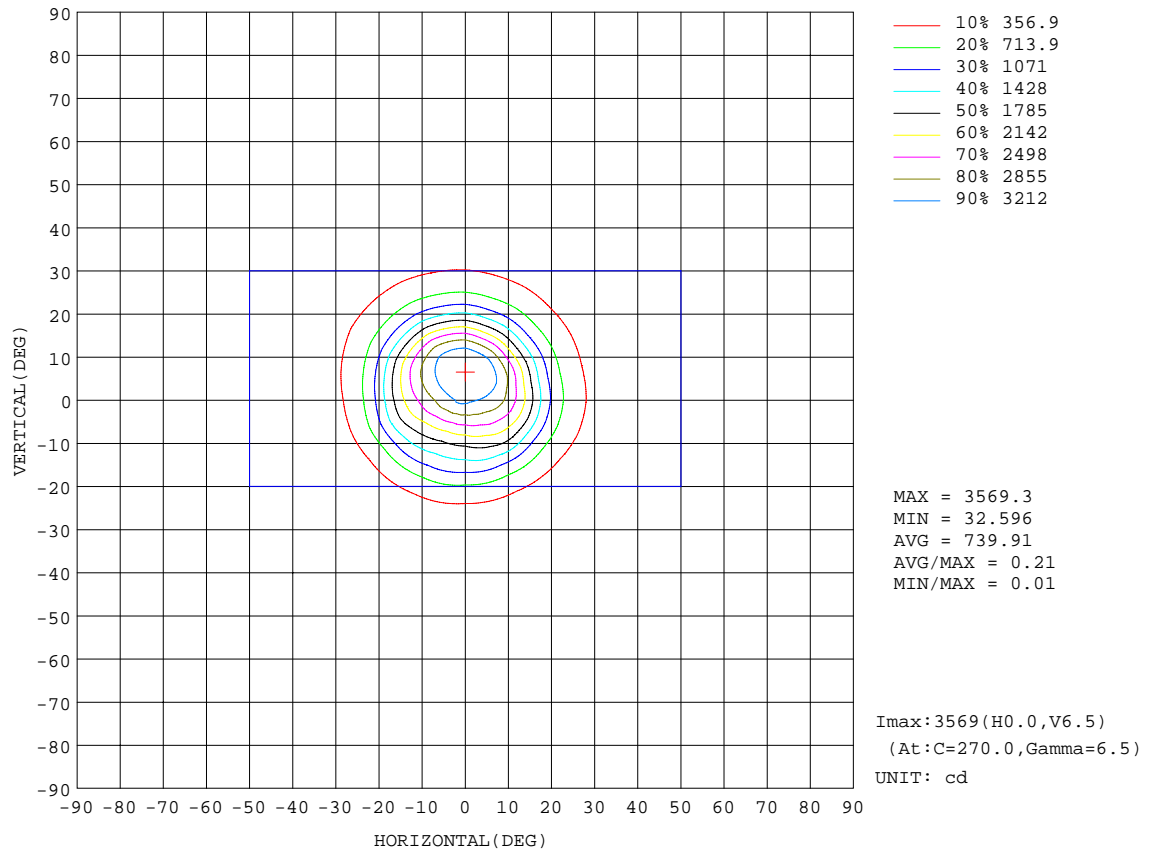
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	86	79	75	85	79	75	84	79	75	71
0.80	93	87	83	92	87	83	91	86	83	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	97	93	101	96	92	99	95	92	87
1.50	105	100	96	103	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	102	99	93
3.00	111	108	105	109	106	103	105	103	101	94
4.00	113	110	108	111	109	107	107	105	104	96
5.00	114	112	110	112	110	109	108	107	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.: 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

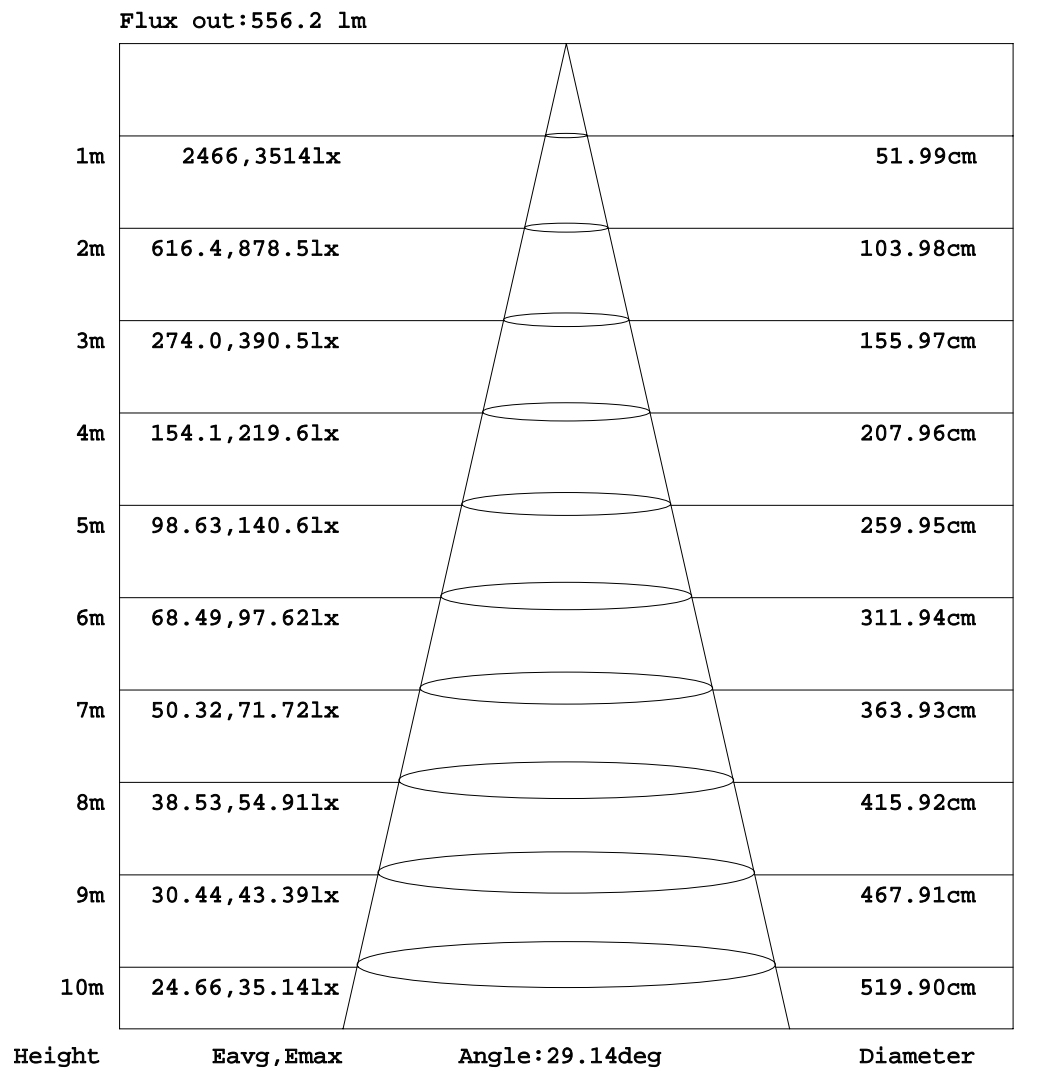


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 23DEG
Operators: xyj
Test Date: 2018-08-14

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.: 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



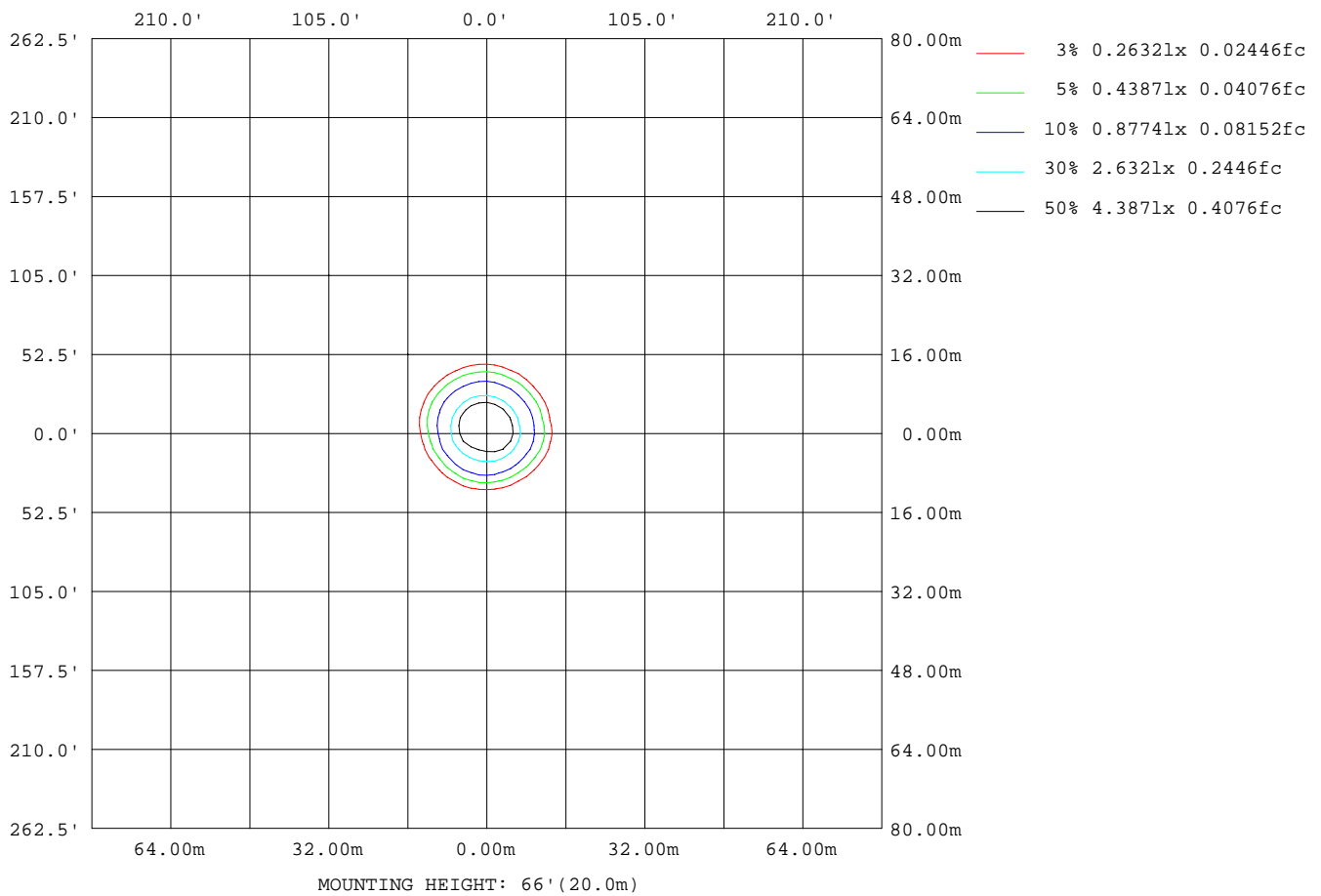
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: 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.: 36D	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.:36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

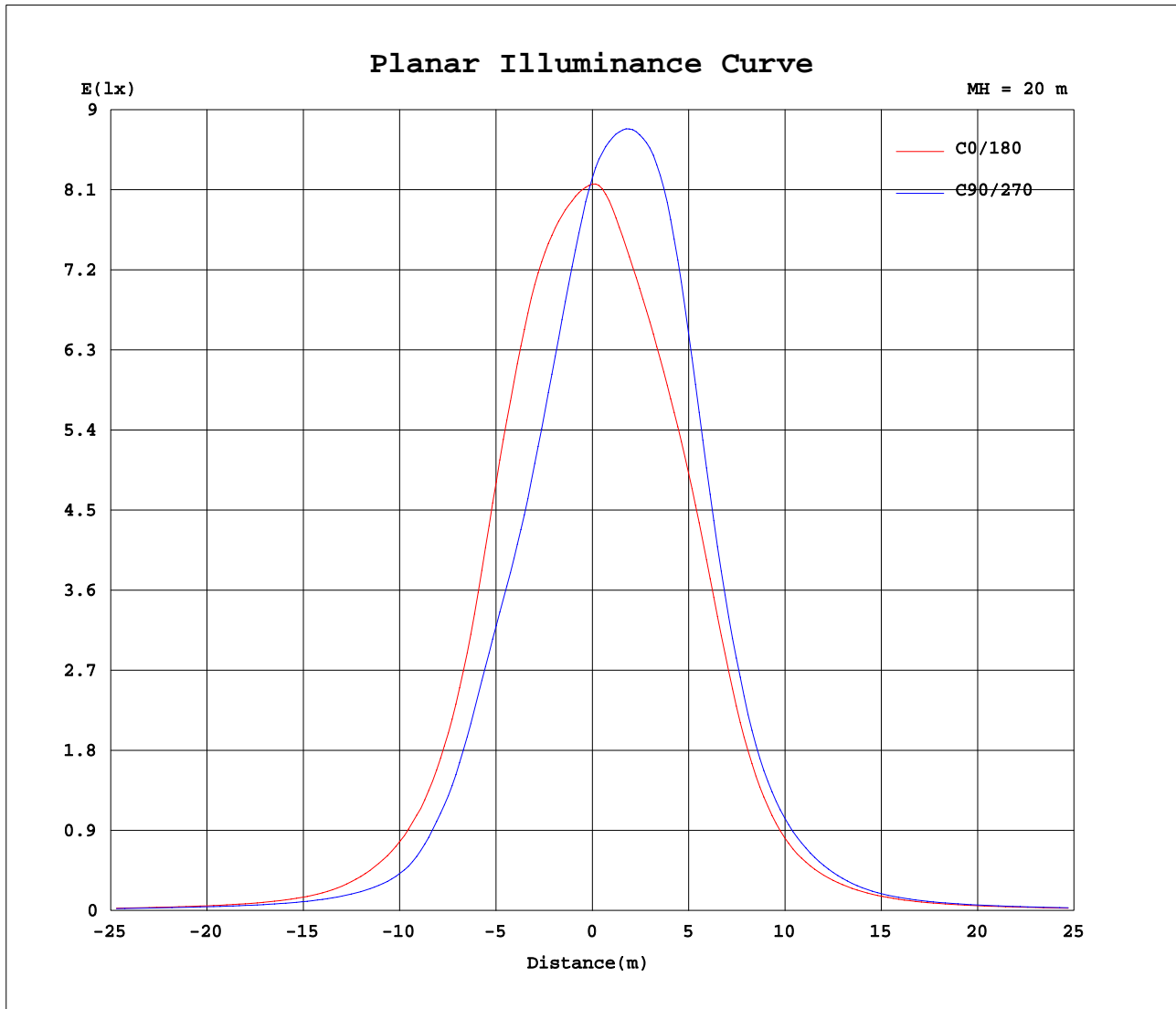
AvgL	cd/m2
L_0~180(65)av	23315
L_0~180(75)av	6209
L_0~180(85)av	0
L_90~270(65)av	22756
L_90~270(75)av	6129
L_90~270(85)av	0
L_45(65)av	22554
L_45(75)av	6085
L_45(85)av	0

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.: 36D	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	3291	3291	3291	3291	3291	3291	3291	3291	3291	3291	3291	3291	3291	3291	3291	3291	3291	3291	3291
5	3158	3038	2909	2802	2701	2646	2599	2616	2641	2734	2822	2960	3042	3163	3299	3385	3479	3515	3551
10	2756	2596	2397	2240	2069	1953	1861	1864	1896	2032	2198	2439	2616	2829	3048	3202	3365	3418	3457
15	1936	1819	1643	1538	1398	1338	1284	1295	1329	1455	1623	1874	2037	2227	2458	2579	2706	2646	2622
20	1045	966	844	777	701	690	676	717	750	842	937	1120	1210	1339	1502	1535	1588	1497	1472
25	538	477	395	345	304	301	296	318	332	376	419	520	579	669	767	783	791	738	717
30	280	251	204	177	158	154	151	158	164	181	202	246	288	350	403	404	402	377	367
35	147	134	114	102	94.4	92.5	92.0	95.4	98.9	107	116	137	157	187	212	208	206	191	187
40	88.7	81.9	72.6	67.3	64.1	63.2	63.1	64.9	66.7	69.9	74.2	83.8	92.3	104	117	113	115	108	106
45	61.8	57.7	53.0	50.5	49.3	49.0	48.9	49.6	50.5	51.9	53.8	58.6	62.6	68.1	73.5	73.5	74.1	71.8	71.5
50	46.5	43.8	41.0	39.5	38.8	38.7	38.6	39.2	39.8	40.7	42.1	44.9	47.1	49.7	53.0	53.6	54.5	53.3	53.1
55	34.6	32.8	30.4	29.1	27.8	28.3	28.7	30.7	31.4	32.0	33.0	35.3	36.7	38.2	40.1	40.9	41.9	41.2	41.1
60	24.8	23.4	21.7	20.7	19.7	19.3	19.2	19.8	20.4	21.4	22.6	25.1	26.7	28.1	29.7	30.3	31.1	30.6	30.6
65	16.9	16.1	14.9	14.3	13.6	13.4	13.3	13.7	14.1	14.8	15.6	17.6	18.8	19.8	21.1	21.5	22.1	21.6	21.5
70	8.96	8.69	7.84	7.88	7.56	7.90	7.92	8.45	8.79	9.41	9.99	11.3	11.8	12.4	13.2	13.3	13.6	13.0	12.8
75	1.92	1.86	1.58	1.68	1.63	1.88	2.00	2.41	2.64	3.16	3.45	4.10	3.90	4.01	4.38	4.19	4.32	3.92	3.74
80	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
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	0.00	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
125	0.05	0.33	0.66	0.78	0.94	0.84	0.80	0.56	0.45	0.20	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	1.96	2.34	2.83	3.02	3.27	3.21	3.20	2.90	2.73	2.34	2.12	1.69	0.02	0.00	0.00	0.00	0.00	0.00	0.00
135	4.37	4.83	5.39	5.66	5.99	5.97	6.03	5.70	5.51	5.04	4.70	4.16	2.01	1.69	1.27	1.01	0.73	0.62	0.53
140	7.09	7.53	8.10	8.39	8.79	8.80	8.90	8.61	8.42	7.91	7.51	6.90	4.51	4.08	3.57	3.24	2.89	2.76	2.66
145	9.83	10.2	10.7	10.9	11.3	11.3	11.5	11.2	11.0	10.6	10.2	9.58	7.27	6.79	6.25	5.91	5.54	5.43	5.37
150	12.2	12.3	12.6	12.8	13.1	13.2	13.4	13.2	13.1	12.7	12.4	11.9	9.94	9.51	9.03	8.73	8.45	8.40	8.38
155	13.5	13.5	13.6	13.6	13.9	14.1	14.3	14.2	14.1	13.9	13.7	13.5	12.1	11.8	11.4	11.2	11.1	11.1	11.1
160	13.7	13.4	13.2	13.1	13.4	13.6	13.9	14.0	13.9	13.8	13.9	13.9	13.1	13.0	12.8	12.7	12.8	12.8	12.9
165	12.7	12.3	11.8	11.8	12.0	12.1	12.4	12.5	12.6	12.6	12.8	13.1	12.7	12.8	12.8	12.9	13.2	13.2	13.4
170	11.1	10.7	10.4	10.3	10.4	10.4	10.6	10.8	11.0	11.2	11.6	11.8	11.5	11.9	12.2	12.2	12.4	12.5	12.7
175	9.94	9.70	9.70	9.81	9.87	9.74	9.79	9.94	10.2	10.5	10.8	10.9	10.5	10.9	11.3	11.5	11.5	11.4	11.5
180	10.2	10.3	10.5	10.7	10.6	10.4	10.5	10.5	10.7	10.9	10.9	10.9	10.2	10.3	10.5	10.7	10.6	10.4	10.5

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.: 36D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	3291	3291	3291	3291	3291														
5	3528	3501	3427	3353	3244														
10	3384	3326	3164	3039	2848														
15	2448	2368	2204	2122	1952														
20	1341	1307	1188	1148	1047														
25	658	637	588	573	534														
30	339	327	301	295	276														
35	173	168	155	152	143														
40	101	98.9	92.9	91.0	87.2														
45	68.9	67.9	64.5	63.1	61.2														
50	51.5	50.9	48.5	47.4	46.1														
55	39.8	39.2	36.9	35.7	34.4														
60	29.3	28.8	27.0	25.9	24.7														
65	20.4	19.9	18.4	17.6	16.6														
70	11.8	11.4	10.0	9.47	8.34														
75	3.15	2.96	2.38	2.14	1.61														
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	0.00	0.00	0.00	0.00	0.23														
135	0.65	0.82	1.22	1.62	2.21														
140	2.83	3.05	3.55	4.02	4.71														
145	5.57	5.82	6.34	6.83	7.49														
150	8.57	8.81	9.28	9.68	10.2														
155	11.2	11.4	11.7	12.0	12.2														
160	12.9	13.0	13.0	13.1	13.1														
165	13.3	13.3	13.1	12.9	12.7														
170	12.5	12.5	12.3	12.1	11.8														
175	11.5	11.6	11.4	11.2	10.9														
180	10.5	10.7	10.9	10.9	10.9														

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: