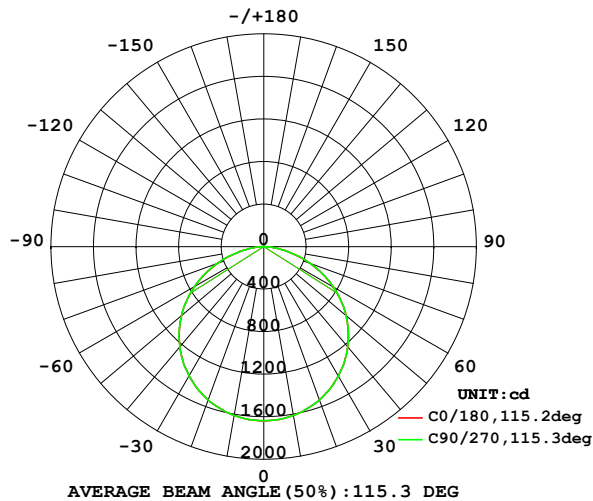


LUMINAIRE PHOTOMETRIC TEST REPORT

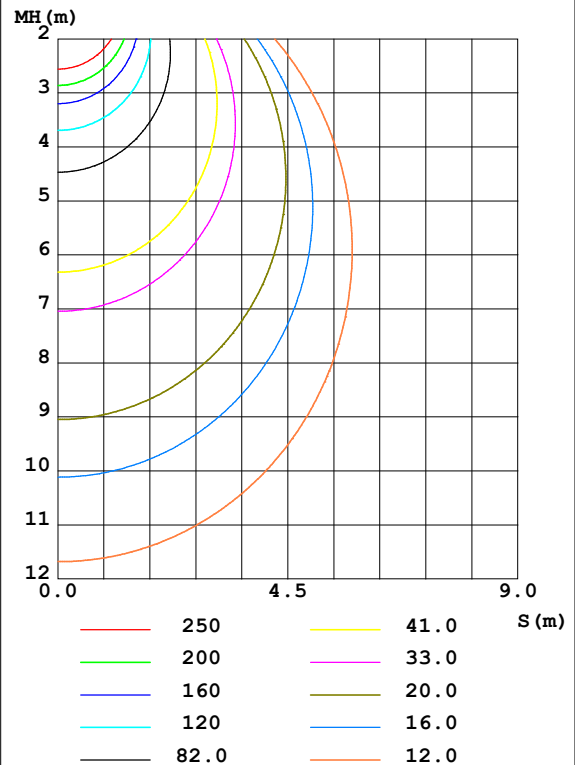
Test:U:221.2V I:0.1771A P:38.10W PF:0.9724 Lamp Flux:4792.04x1 lm		
NAME: 6161TF-C-125LM/W-CCT-(3500K-5000K)-UGR	TYPE:LED	WEIGHT:
SPEC.:6161TF-C-125LM/W-CCT-(3500K-5000K)-UGR	DIM.: 602*602	SERIAL No.:
MFR.: JT	SUR.:0.602*0.602	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.79 lm/W			
MODEIREN0-22BPID-DV-MCCT-MW		Imax(cd)	1637	S/MH(C0/180)	1.27
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	200-240	TOTAL FLUX(lm)	4792.0	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	4792.04	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.9
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	99.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



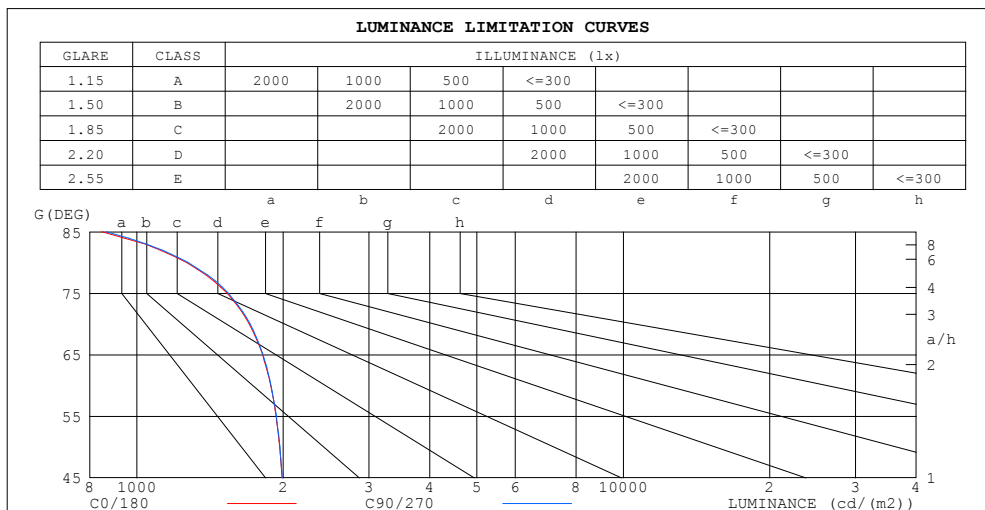
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JT
Test Date: 2024-10-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 7.578m [K=0.9237]
Remarks:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	1612	1611	1612	1611					0- 10	155.0	155.0	3.24,3.24
20	1533	1533	1533	1533					10- 20	445.7	600.7	12.5,12.5
30	1404	1405	1404	1405					20- 30	679.9	1281	26.7,26.7
40	1228	1230	1228	1230					30- 40	827.2	2108	44,44
50	1011	1012	1011	1012					40- 50	867.9	2976	62.1,62.1
60	753.6	754.9	753.6	754.9					50- 60	792.6	3768	78.6,78.6
70	465.8	468.0	465.8	468.0					60- 70	606.2	4374	91.3,91.3
80	175.6	177.2	175.6	177.2					70- 80	336.7	4711	98.3,98.3
90	0.4225	0.2481	0.4225	0.2481					80- 90	75.90	4787	99.9,99.9
100	0	0	0	0					90-100	0.0187	4787	99.9,99.9
110	0.3611	0.4202	0.3611	0.4202					100-110	0.1675	4787	99.9,99.9
120	0.6795	0.7704	0.6795	0.7704					110-120	0.5570	4788	99.9,99.9
130	1.006	1.100	1.006	1.100					120-130	0.7941	4789	99.9,99.9
140	1.335	1.427	1.335	1.427					130-140	0.9398	4789	99.9,99.9
150	1.643	1.710	1.643	1.710					140-150	0.9623	4790	100,100
160	1.904	1.975	1.904	1.975					150-160	0.8340	4791	100,100
170	2.118	2.145	2.118	2.145					160-170	0.5768	4792	100,100
180	2.196	2.157	2.196	2.157					170-180	0.2051	4792	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



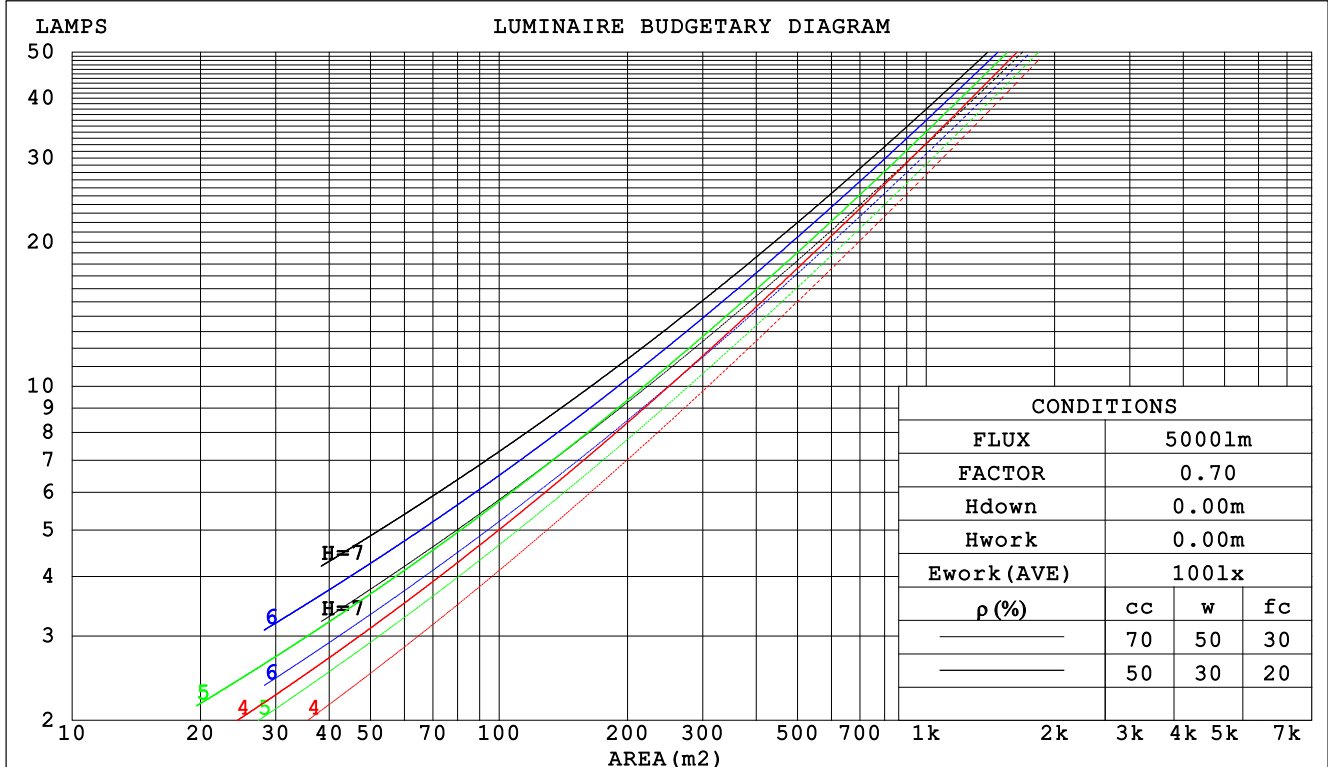
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-10-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.578m [K=0.9237]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.2V I:0.1771A P:38.10W PF:0.9724 Lamp Flux:4792.04x1 lm		
NAME: 6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR	TYPE:LED	WEIGHT:
SPEC.:6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR	DIM.: 602*602	SERIAL No.:
MFR.: JT	SUR.:0.602*0.602	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	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.90	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-10-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.578m [K=0.9237]
Remarks:

WEC AND CCEC

Test:U:221.2V I:0.1771A P:38.10W PF:0.9724 Lamp Flux:4792.04x1 lm					
NAME: 6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR			TYPE:LED		WEIGHT:
SPEC.:6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR			DIM.: 602*602		SERIAL No.:
MFR.: JT			SUR.:0.602*0.602		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	.308	.175	.056	.301	.172	.055	.288	.165	.053	.276	.159	.051	.264	.153	.049		
2.0	.292	.160	.049	.286	.157	.048	.274	.152	.047	.263	.148	.046	.253	.143	.045		
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040		
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036		
5.0	.231	.118	.034	.227	.116	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033		
6.0	.214	.107	.031	.211	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.183	.094	.027	.178	.092	.027		
8.0	.186	.091	.026	.183	.090	.026	.177	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.084	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.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	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.135	.155	.135	.116	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.085	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.042	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.137	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-10-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.578m [K=0.9237]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.2V I:0.1771A P:38.10W PF:0.9724 Lamp Flux:4792.04x1 lm										
NAME: 6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR					TYPE:LED			WEIGHT:		
SPEC.:6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR					DIM.: 602*602			SERIAL No.:		
MFR.: JT					SUR.:0.602*0.602			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	15.2	16.8	15.5	17.0	17.2	15.2	16.8	15.5	17.0	17.2
3H	16.7	18.2	17.0	18.4	18.6	16.8	18.2	17.1	18.4	18.6
4H	17.3	18.7	17.6	18.9	19.2	17.3	18.7	17.6	18.9	19.2
6H	17.7	18.9	18.0	19.2	19.5	17.7	19.0	18.0	19.2	19.5
8H	17.8	19.0	18.1	19.3	19.6	17.8	19.0	18.1	19.3	19.6
12H	17.8	19.0	18.1	19.3	19.6	17.8	19.0	18.2	19.3	19.6
4H 2H	15.8	17.2	16.2	17.4	17.7	15.8	17.2	16.2	17.4	17.7
3H	17.5	18.7	17.9	19.0	19.3	17.5	18.7	17.9	19.0	19.3
4H	18.2	19.3	18.6	19.6	20.0	18.2	19.3	18.6	19.6	20.0
6H	18.7	19.6	19.1	20.0	20.4	18.7	19.7	19.1	20.0	20.4
8H	18.8	19.7	19.2	20.1	20.5	18.8	19.7	19.3	20.1	20.5
12H	18.9	19.7	19.3	20.1	20.5	18.9	19.7	19.3	20.1	20.5
8H 4H	18.5	19.4	18.9	19.7	20.1	18.5	19.4	18.9	19.7	20.1
6H	19.1	19.8	19.5	20.2	20.6	19.1	19.8	19.5	20.2	20.7
8H	19.3	19.9	19.7	20.3	20.8	19.3	19.9	19.7	20.4	20.8
12H	19.4	19.9	19.8	20.4	20.9	19.4	19.9	19.9	20.4	20.9
12H 4H	18.5	19.3	18.9	19.7	20.1	18.5	19.3	18.9	19.7	20.1
6H	19.1	19.8	19.6	20.2	20.6	19.1	19.8	19.6	20.2	20.7
8H	19.3	19.9	19.8	20.3	20.8	19.3	19.9	19.8	20.4	20.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 4792 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.4)

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JT
 Test Date:2024-10-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:7.578m [K=0.9237]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:221.2V I:0.1771A P:38.10W PF:0.9724 Lamp Flux:4792.04x1 lm		
NAME: 6161TF-C-125LM/W-CCT-(3500K-5000K)-UGR	TYPE:LED	WEIGHT:
SPEC.: 6161TF-C-125LM/W-CCT-(3500K-5000K)-UGR	DIM.: 602*602	SERIAL No.:
MFR.: JT	SUR.:0.602*0.602	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) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JT
 Test Date: 2024-10-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 7.578m [K=0.9237]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:221.2V I:0.1771A P:38.10W PF:0.9724 Lamp Flux:4792.04x1 lm		
NAME: 6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR	TYPE:LED	WEIGHT:
SPEC.: 6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR	DIM.: 602*602	SERIAL No.:
MFR.: JT	SUR.:0.602*0.602	Shielding Angle:

Conical surface Flux(90deg):

2543.8 lm

%lum = 53.1%

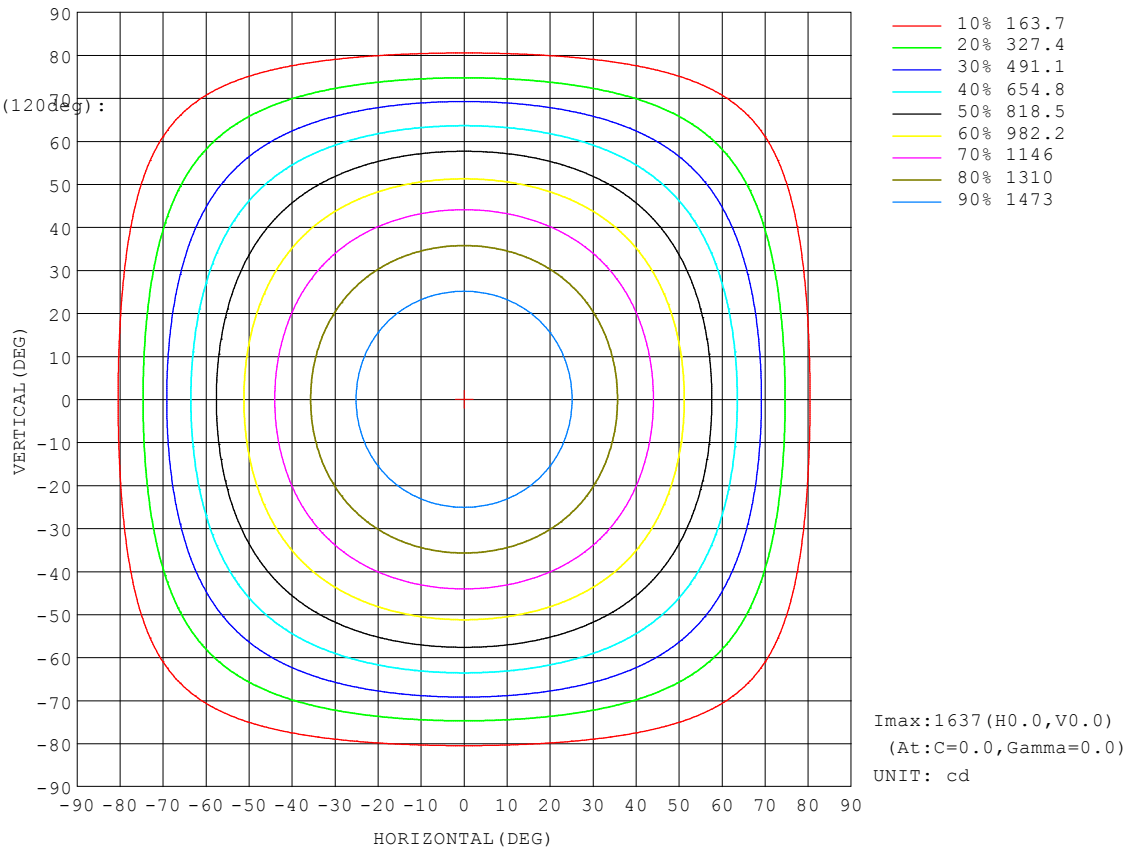
%lamp = 53.1%

Conical surface Flux(120deg):

3768.2 lm

%lum = 78.6%

%lamp = 78.6%

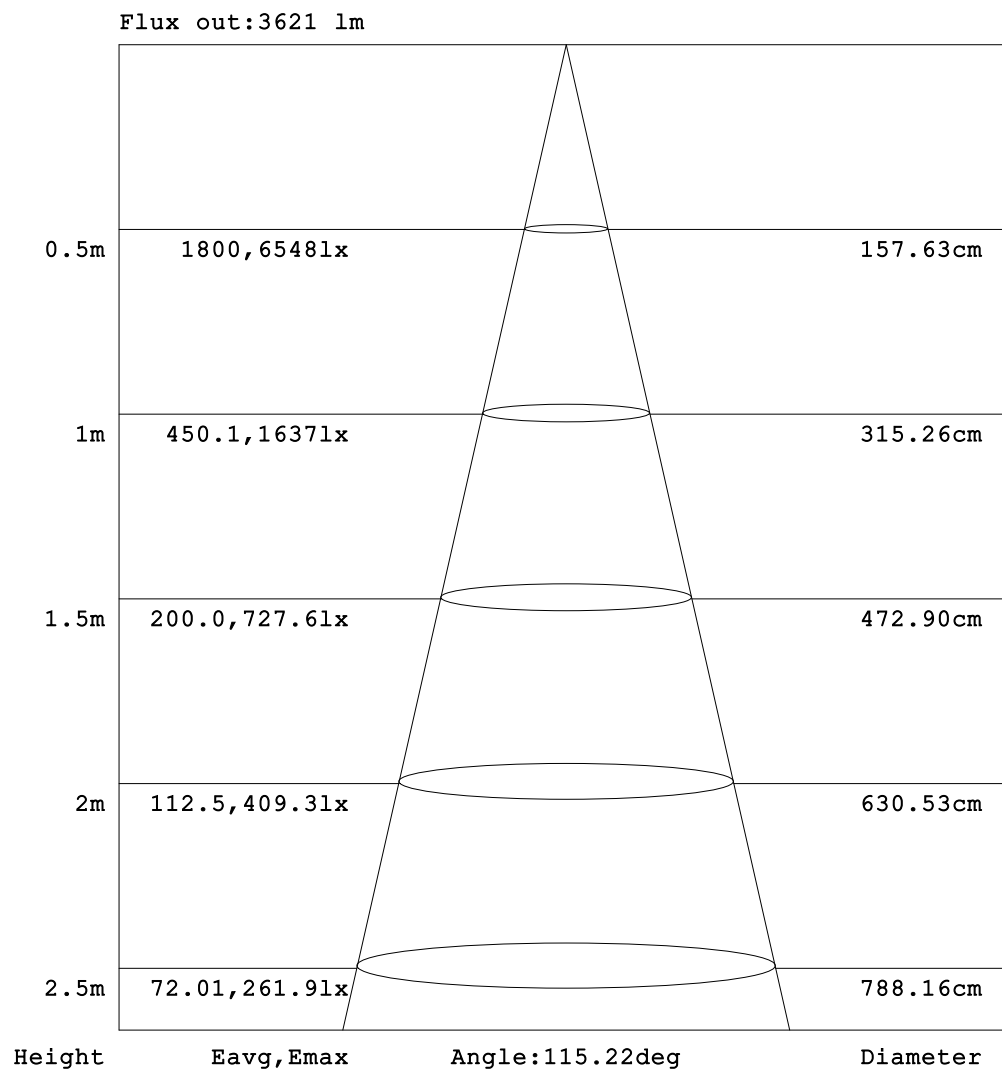


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-10-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.578m [K=0.9237]
Remarks:

AAI Figure

Test:U:221.2V I:0.1771A P:38.10W PF:0.9724 Lamp Flux:4792.04x1 lm		
NAME: 6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR	TYPE:LED	WEIGHT:
SPEC.: 6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR	DIM.: 602*602	SERIAL No.:
MFR.: JT	SUR.:0.602*0.602	Shielding Angle:



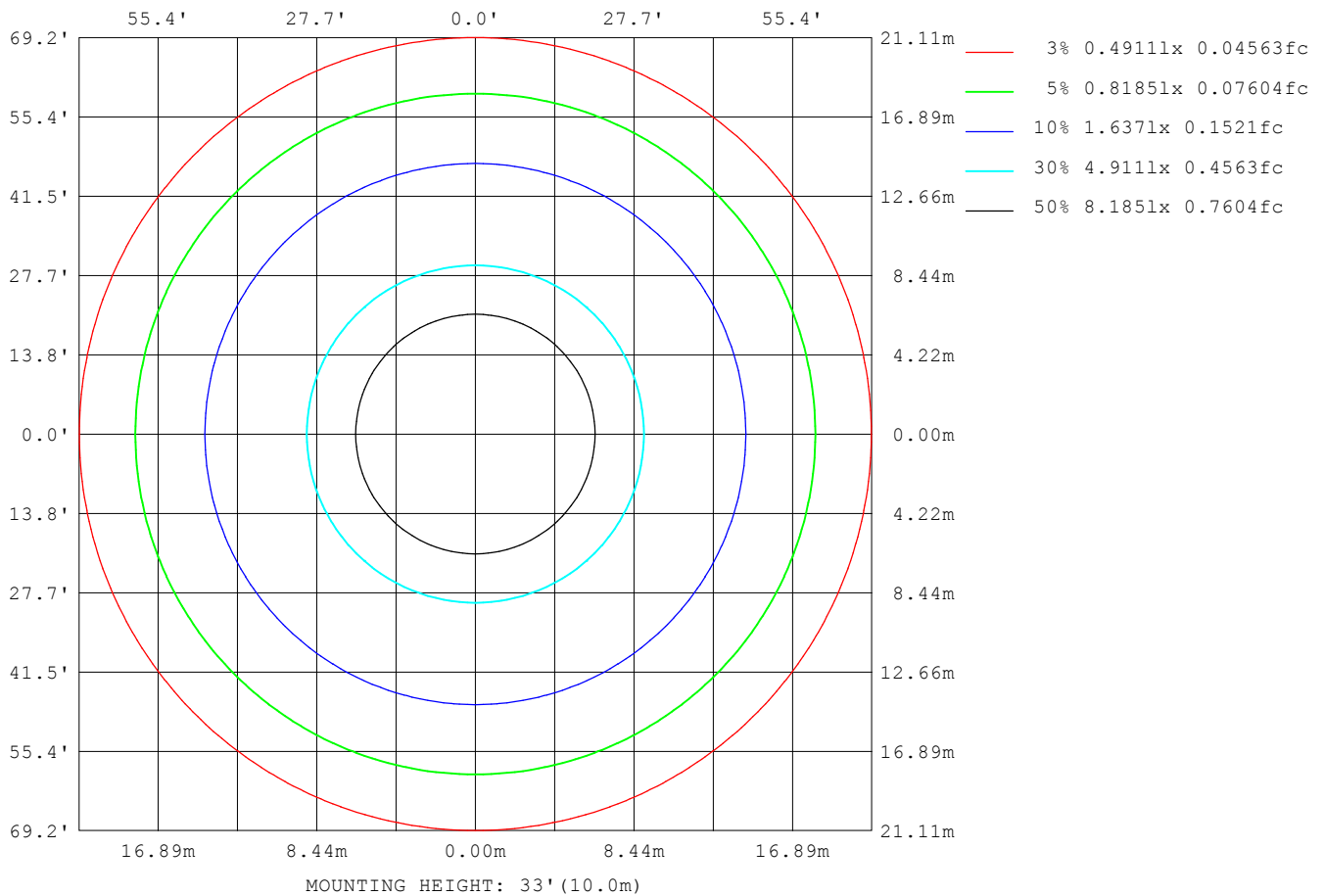
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-10-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.578m [K=0.9237]
Remarks:

ISOLUX DIAGRAM

Test:U:221.2V I:0.1771A P:38.10W PF:0.9724 Lamp Flux:4792.04x1 lm		
NAME: 6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR	TYPE:LED	WEIGHT:
SPEC.: 6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR	DIM.: 602*602	SERIAL No.:
MFR.: JT	SUR.:0.602*0.602	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-10-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.578m [K=0.9237]
Remarks:

LED Avg.L Report

Test:U:221.2V I:0.1771A P:38.10W PF:0.9724 Lamp Flux:4792.04x1 lm		
NAME: 6161TF-C-125LM/W-CCT-(3500K-5000K)-UGR	TYPE:LED	WEIGHT:
SPEC.:6161TF-C-125LM/W-CCT-(3500K-5000K)-UGR	DIM.: 602*602	SERIAL No.:
MFR.: JT	SUR.:0.602*0.602	Shielding Angle:

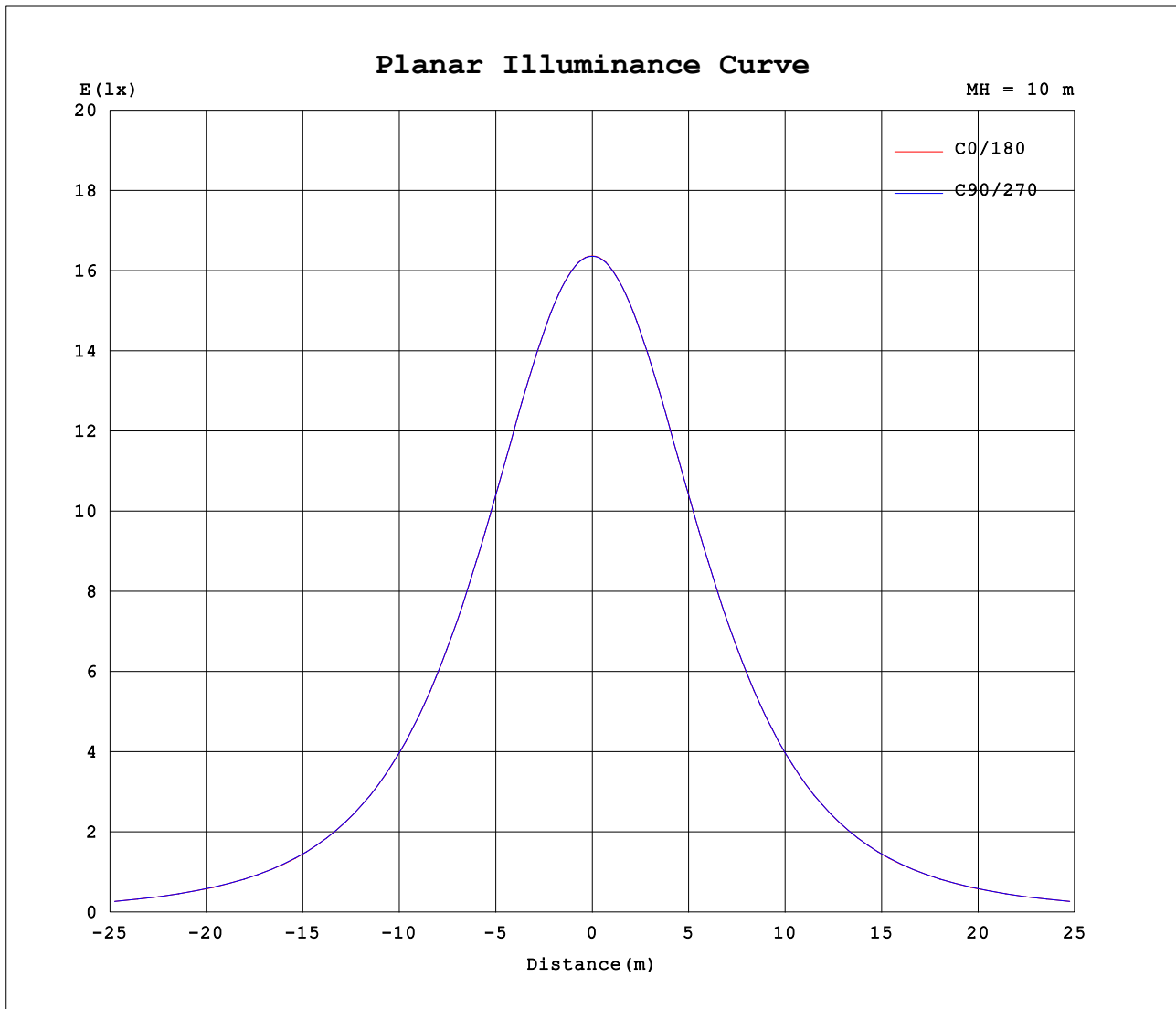
AvgL	cd/m2
L_0~180 (65) av	1813
L_0~180 (75) av	1533
L_0~180 (85) av	848
L_90~270 (65) av	1817
L_90~270 (75) av	1542
L_90~270 (85) av	865
L_45 (65) av	1816
L_45 (75) av	1539
L_45 (85) av	859

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-10-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.578m [K=0.9237]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JT
Test Date: 2024-10-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 7.578m [K=0.9237]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:0.1771A P:38.10W PF:0.9724 Lamp Flux:4792.04x1 lm		
NAME: 6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR	TYPE:LED	WEIGHT:
SPEC.: 6161TF-C-125LM/W-CCT- (3500K-5000K) -UGR	DIM.: 602*602	SERIAL No.:
MFR.: JT	SUR.:0.602*0.602	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	1637	1636	1637	1636															
5	1631	1630	1631	1630															
10	1612	1611	1612	1611															
15	1579	1578	1579	1578															
20	1533	1533	1533	1533															
25	1475	1475	1475	1475															
30	1404	1405	1404	1405															
35	1322	1323	1322	1323															
40	1228	1230	1228	1230															
45	1125	1126	1125	1126															
50	1011	1012	1011	1012															
55	887	888	887	888															
60	754	755	754	755															
65	613	614	613	614															
70	466	468	466	468															
75	317	319	317	319															
80	176	177	176	177															
85	59.2	60.3	59.2	60.3															
90	0.42	0.25	0.42	0.25															
95	0.00	0.00	0.00	0.00															
100	0.00	0.00	0.00	0.00															
105	0.09	0.19	0.09	0.19															
110	0.36	0.42	0.36	0.42															
115	0.53	0.60	0.53	0.60															
120	0.68	0.77	0.68	0.77															
125	0.84	0.94	0.84	0.94															
130	1.01	1.10	1.01	1.10															
135	1.17	1.27	1.17	1.27															
140	1.34	1.43	1.34	1.43															
145	1.51	1.57	1.51	1.57															
150	1.64	1.71	1.64	1.71															
155	1.77	1.84	1.77	1.84															
160	1.90	1.97	1.90	1.97															
165	2.04	2.07	2.04	2.07															
170	2.12	2.15	2.12	2.15															
175	2.16	2.15	2.16	2.15															
180	2.20	2.16	2.20	2.16															

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-10-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.578m [K=0.9237]
Remarks: