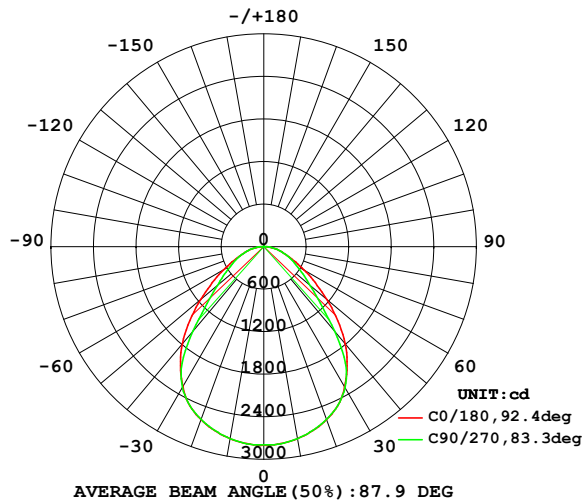


LUMINAIRE PHOTOMETRIC TEST REPORT

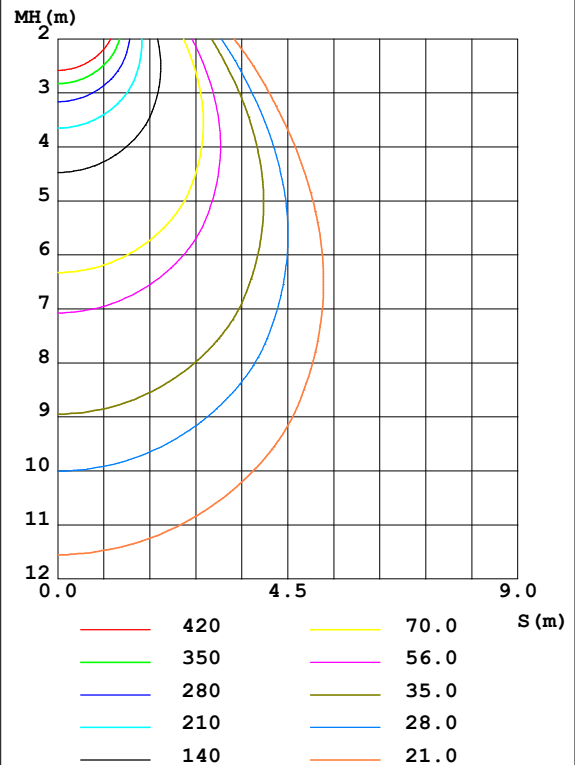
Test:U:221.3V I:0.2144A P:47.22W PF:0.9950 Lamp Flux:5919.27x1 lm		
NAME: 60130TF-C-125LM/W-3CCT-(3500K-5000K)	TYPE:LED	WEIGHT:
SPEC.:60130TF-C-125LM/W-3CCT-(3500K-5000K)	DIM.: 602*1212	SERIAL No.:
MFR.: JT	SUR.:0.602*1.212	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.36 lm/W			
MODEIREN0-24BPID-DV-MCCT-MW		Imax(cd)	2802	S/MH(C0/180)	1.21
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	5919.3	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	5919.27	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	99.9	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



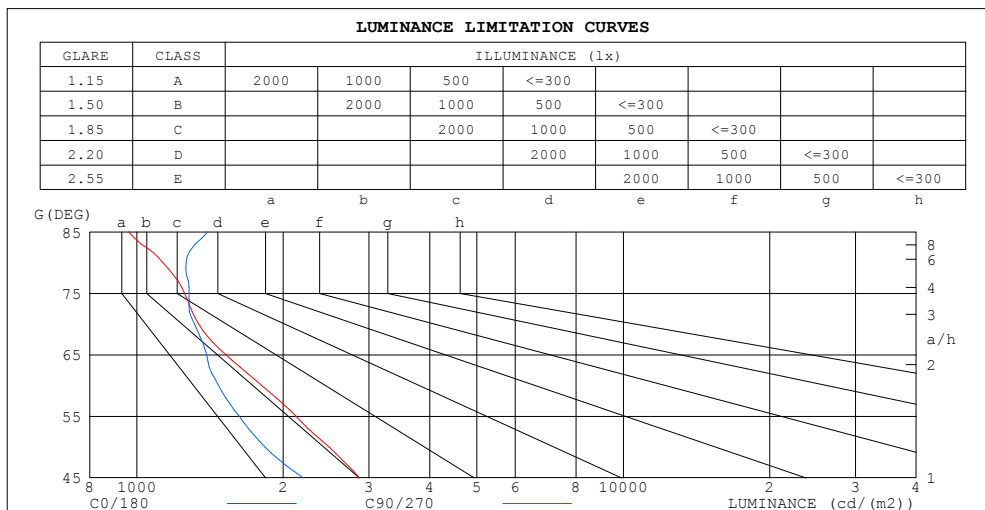
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-09-30

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=0.9736]
Remarks:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	2752	2750	2752	2750					0- 10	264.9	264.9	4.48,4.48
20	2597	2590	2597	2590					10- 20	757.3	1022	17.3,17.3
30	2282	2295	2282	2295					20- 30	1135	2157	36.4,36.4
40	1788	1554	1788	1554					30- 40	1256	3414	57.7,57.7
50	1164	859.3	1164	859.3					40- 50	1014	4427	74.8,74.8
60	658.7	536.2	658.7	536.2					50- 60	705.0	5132	86.7,86.7
70	334.1	327.9	334.1	327.9					60- 70	448.9	5581	94.3,94.3
80	143.2	159.8	143.2	159.8					70- 80	252.3	5833	98.5,98.5
90	0.2408	7.046	0.2408	7.046					80- 90	81.34	5915	99.9,99.9
100	0	0	0	0					90-100	0.2517	5915	99.9,99.9
110	0	0.0218	0	0.0218					100-110	0.0006	5915	99.9,99.9
120	0.4263	0.4406	0.4263	0.4406					110-120	0.2040	5915	99.9,99.9
130	0.8888	0.8600	0.8888	0.8600					120-130	0.5883	5916	99.9,99.9
140	1.299	1.266	1.299	1.266					130-140	0.8347	5917	100,100
150	1.675	1.637	1.675	1.637					140-150	0.9167	5918	100,100
160	2.158	1.995	2.158	1.995					150-160	0.8572	5918	100,100
170	2.478	2.262	2.478	2.262					160-170	0.6301	5919	100,100
180	2.629	2.383	2.629	2.383					170-180	0.2321	5919	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



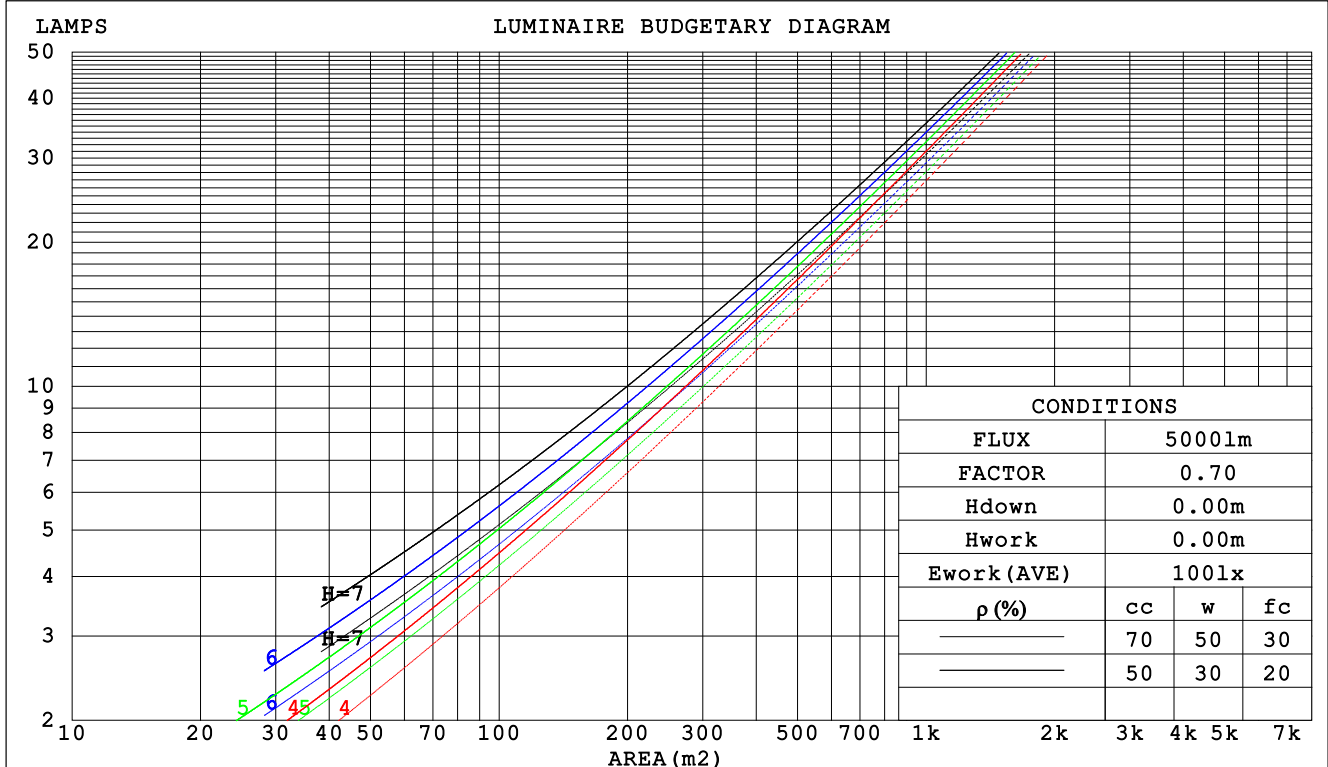
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-09-30

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=0.9736]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.3V I:0.2144A P:47.22W PF:0.9950 Lamp Flux:5919.27x1 lm		
NAME: 60130TF-C-125LM/W-3CCT-(3500K-5000K)	TYPE:LED	WEIGHT:
SPEC.:60130TF-C-125LM/W-3CCT-(3500K-5000K)	DIM.: 602*1212	SERIAL No.:
MFR.: JT	SUR.:0.602*1.212	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.06	1.02	.99	1.04	1.00	.97	.90	.97	.94	.96	.93	.91	.92	.90	.89	.87
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.86	.82	.78	.83	.80	.77	.75
3.0	.84	.77	.71	.83	.76	.71	.80	.74	.69	.77	.72	.68	.75	.70	.67	.65
4.0	.76	.68	.62	.74	.67	.61	.72	.66	.61	.70	.64	.60	.68	.63	.59	.57
5.0	.69	.60	.54	.67	.60	.54	.65	.59	.53	.63	.58	.53	.62	.57	.52	.50
6.0	.62	.54	.48	.61	.54	.48	.60	.53	.48	.58	.52	.47	.57	.51	.47	.45
7.0	.57	.49	.43	.56	.49	.43	.55	.48	.43	.53	.47	.43	.52	.46	.42	.40
8.0	.52	.45	.39	.52	.44	.39	.50	.44	.39	.49	.43	.39	.48	.42	.38	.37
9.0	.48	.41	.36	.48	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.33
10.0	.45	.37	.32	.44	.37	.32	.43	.37	.32	.43	.36	.32	.42	.36	.32	.30



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-09-30

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=0.9736]
Remarks:

WEC AND CCEC

Test:U:221.3V I:0.2144A P:47.22W PF:0.9950 Lamp Flux:5919.27x1 lm		
NAME: 60130TF-C-125LM/W-3CCT-(3500K-5000K)	TYPE:LED	WEIGHT:
SPEC.:60130TF-C-125LM/W-3CCT-(3500K-5000K)	DIM.: 602*1212	SERIAL No.:
MFR.: JT	SUR.:0.602*1.212	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	.269	.153	.049	.262	.150	.048	.249	.143	.046	.237	.137	.044	.226	.131	.042		
2.0	.255	.140	.043	.249	.137	.042	.238	.132	.041	.227	.128	.040	.218	.123	.039		
3.0	.239	.127	.038	.233	.125	.038	.223	.121	.037	.214	.117	.036	.206	.114	.035		
4.0	.223	.116	.034	.218	.114	.034	.209	.111	.033	.201	.108	.033	.193	.105	.032		
5.0	.208	.106	.031	.204	.105	.030	.196	.102	.030	.189	.100	.030	.182	.097	.029		
6.0	.195	.098	.028	.191	.096	.028	.184	.094	.027	.178	.092	.027	.171	.090	.027		
7.0	.183	.090	.026	.179	.089	.025	.173	.088	.025	.167	.086	.025	.162	.084	.025		
8.0	.172	.084	.024	.169	.083	.023	.163	.082	.023	.158	.080	.023	.153	.079	.023		
9.0	.162	.078	.022	.159	.078	.022	.154	.076	.022	.150	.075	.021	.145	.074	.021		
10.0	.153	.073	.020	.151	.073	.020	.146	.072	.020	.142	.071	.020	.138	.069	.020		

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	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.157	.138	.152	.135	.119	.104	.093	.082	.060	.054	.048	.019	.017	.015	
2.0	.168	.133	.103	.144	.114	.089	.099	.079	.062	.057	.046	.036	.018	.015	.012	
3.0	.159	.115	.079	.136	.099	.069	.094	.069	.048	.054	.040	.028	.017	.013	.009	
4.0	.151	.101	.063	.130	.087	.055	.089	.061	.038	.052	.036	.023	.017	.012	.007	
5.0	.143	.090	.051	.123	.078	.044	.085	.055	.031	.049	.032	.019	.016	.010	.006	
6.0	.136	.082	.042	.117	.071	.037	.081	.050	.026	.047	.029	.016	.015	.010	.005	
7.0	.130	.075	.036	.112	.065	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.124	.069	.031	.107	.060	.027	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.064	.027	.102	.055	.024	.071	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.113	.060	.024	.097	.052	.021	.068	.036	.015	.039	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-09-30

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=0.9736]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.3V I:0.2144A P:47.22W PF:0.9950 Lamp Flux:5919.27x1 lm										
NAME: 60130TF-C-125LM/W-3CCT-(3500K-5000K)					TYPE:LED			WEIGHT:		
SPEC.:60130TF-C-125LM/W-3CCT-(3500K-5000K)					DIM.: 602*1212			SERIAL No.:		
MFR.: JT					SUR.:0.602*1.212			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	14.8	16.2	15.0	16.3	16.5	14.0	15.3	14.2	15.5	15.7
3H	15.6	16.9	15.9	17.1	17.3	15.0	16.2	15.3	16.4	16.7
4H	16.0	17.2	16.3	17.4	17.7	15.4	16.6	15.7	16.9	17.1
6H	16.3	17.4	16.6	17.7	17.9	15.8	17.0	16.2	17.2	17.5
8H	16.4	17.5	16.7	17.7	18.0	16.0	17.1	16.3	17.4	17.7
12H	16.4	17.5	16.8	17.7	18.0	16.2	17.2	16.5	17.5	17.8
4H 2H	15.1	16.3	15.4	16.5	16.7	14.4	15.6	14.7	15.8	16.1
3H	16.1	17.1	16.5	17.4	17.7	15.6	16.6	15.9	16.9	17.2
4H	16.6	17.6	17.0	17.9	18.2	16.2	17.2	16.6	17.5	17.8
6H	17.0	17.9	17.4	18.2	18.6	16.8	17.6	17.2	17.9	18.3
8H	17.2	18.0	17.6	18.3	18.7	17.0	17.8	17.4	18.1	18.5
12H	17.3	18.0	17.7	18.4	18.8	17.2	17.9	17.6	18.3	18.7
8H 4H	16.8	17.6	17.2	17.9	18.3	16.4	17.2	16.8	17.6	18.0
6H	17.4	18.0	17.8	18.4	18.8	17.1	17.8	17.6	18.2	18.6
8H	17.6	18.2	18.1	18.6	19.0	17.5	18.0	17.9	18.5	18.9
12H	17.8	18.3	18.2	18.7	19.2	17.8	18.3	18.3	18.7	19.2
12H 4H	16.8	17.5	17.2	17.9	18.3	16.4	17.1	16.9	17.5	17.9
6H	17.4	18.0	17.9	18.4	18.9	17.2	17.8	17.6	18.2	18.6
8H	17.7	18.2	18.2	18.6	19.1	17.6	18.1	18.0	18.5	19.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.7 / - 0.6					+ 0.4 / - 0.5				

CIE Pub.117 Corrected 5919 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.2)

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JT
 Test Date:2024-09-30

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=0.9736]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:221.3V I:0.2144A P:47.22W PF:0.9950 Lamp Flux:5919.27x1 lm		
NAME: 60130TF-C-125LM/W-3CCT-(3500K-5000K)	TYPE:LED	WEIGHT:
SPEC.:60130TF-C-125LM/W-3CCT-(3500K-5000K)	DIM.: 602*1212	SERIAL No.:
MFR.: JT	SUR.:0.602*1.212	Shielding Angle:

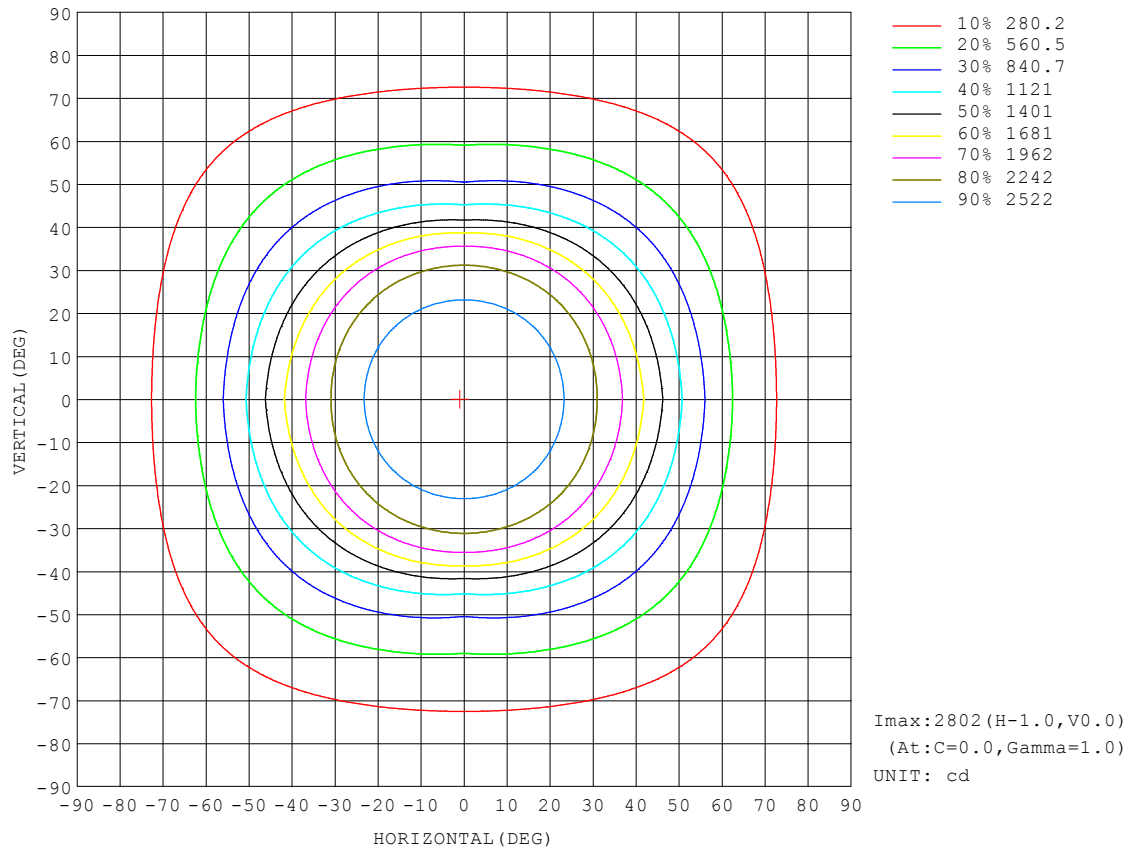
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	55	49	65	55	49	63	54	49	43
0.80	75	65	58	74	64	58	72	64	58	52
1.00	83	73	67	82	73	67	79	74	66	60
1.25	89	80	74	88	79	74	85	78	73	66
1.50	93	85	79	92	84	79	89	83	78	71
2.00	99	92	87	97	91	86	94	89	84	77
2.50	102	96	91	100	94	90	97	92	88	80
3.00	105	99	95	103	98	94	99	95	91	84
4.00	108	104	100	106	102	98	102	99	96	87
5.00	110	106	103	108	104	101	104	101	98	90
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:2024-09-30

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=0.9736]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:221.3V I:0.2144A P:47.22W PF:0.9950 Lamp Flux:5919.27x1 lm		
NAME: 60130TF-C-125LM/W-3CCT-(3500K-5000K)	TYPE:LED	WEIGHT:
SPEC.:60130TF-C-125LM/W-3CCT-(3500K-5000K)	DIM.: 602*1212	SERIAL No.:
MFR.: JT	SUR.:0.602*1.212	Shielding Angle:

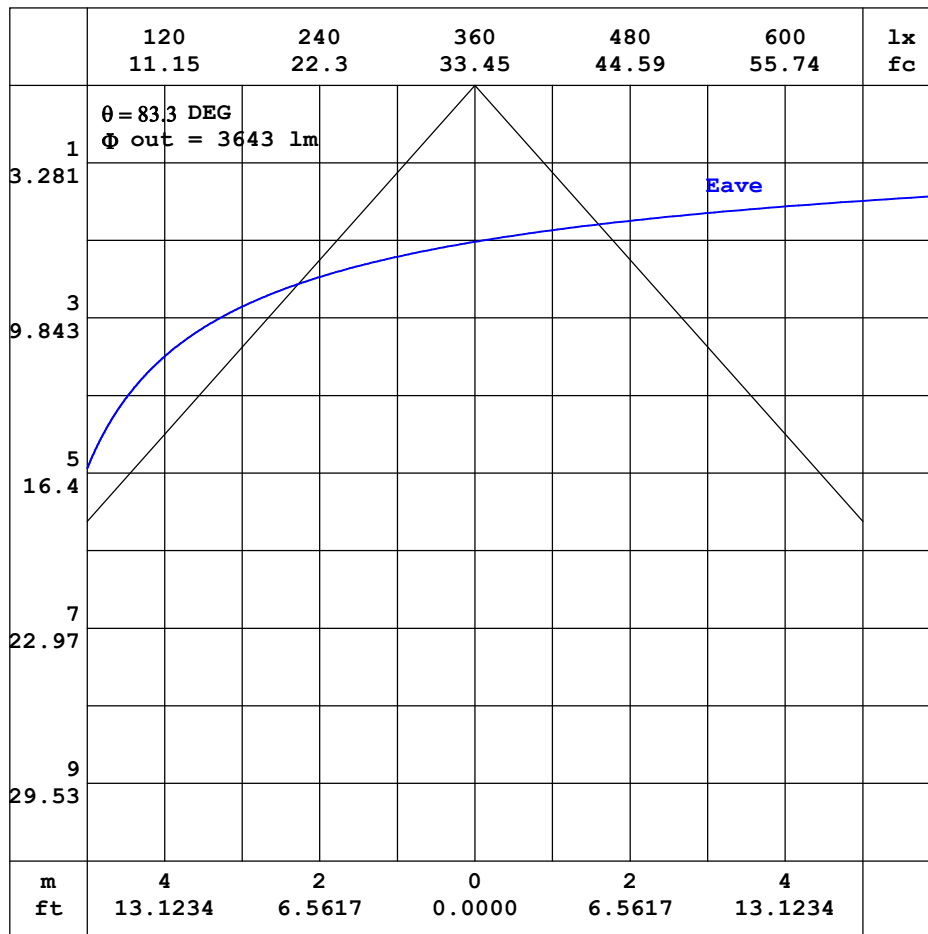


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-09-30

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=0.9736]
Remarks:

AAI CURVES

Test:U:221.3V I:0.2144A P:47.22W PF:0.9950 Lamp Flux:5919.27x1 lm		
NAME: 60130TF-C-125LM/W-3CCT-(3500K-5000K)	TYPE:LED	WEIGHT:
SPEC.:60130TF-C-125LM/W-3CCT-(3500K-5000K)	DIM.: 602*1212	SERIAL No.:
MFR.: JT	SUR.:0.602*1.212	Shielding Angle:



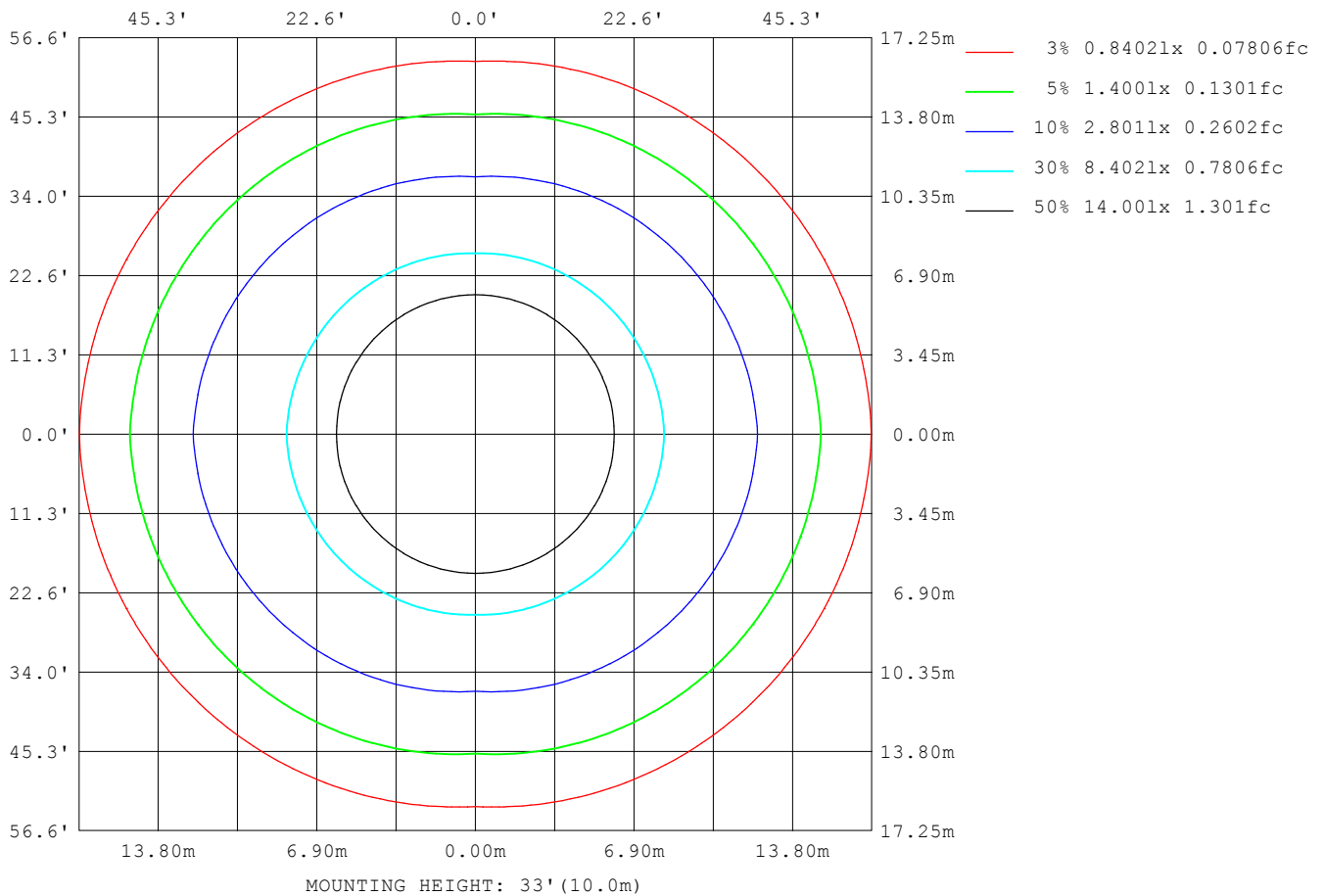
Note: The Curves indicate the illuminated area and the average illuminance when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JT
Test Date: 2024-09-30

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=0.9736]
Remarks:

ISOLUX DIAGRAM

Test:U:221.3V I:0.2144A P:47.22W PF:0.9950 Lamp Flux:5919.27x1 lm		
NAME: 60130TF-C-125LM/W-3CCT- (3500K-5000K)	TYPE:LED	WEIGHT:
SPEC.:60130TF-C-125LM/W-3CCT- (3500K-5000K)	DIM.: 602*1212	SERIAL No.:
MFR.: JT	SUR.:0.602*1.212	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-09-30

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=0.9736]
Remarks:

LED Avg.L Report

Test:U:221.3V I:0.2144A P:47.22W PF:0.9950 Lamp Flux:5919.27x1 lm		
NAME: 60130TF-C-125LM/W-3CCT-(3500K-5000K)	TYPE:LED	WEIGHT:
SPEC.:60130TF-C-125LM/W-3CCT-(3500K-5000K)	DIM.: 602*1212	SERIAL No.:
MFR.: JT	SUR.:0.602*1.212	Shielding Angle:

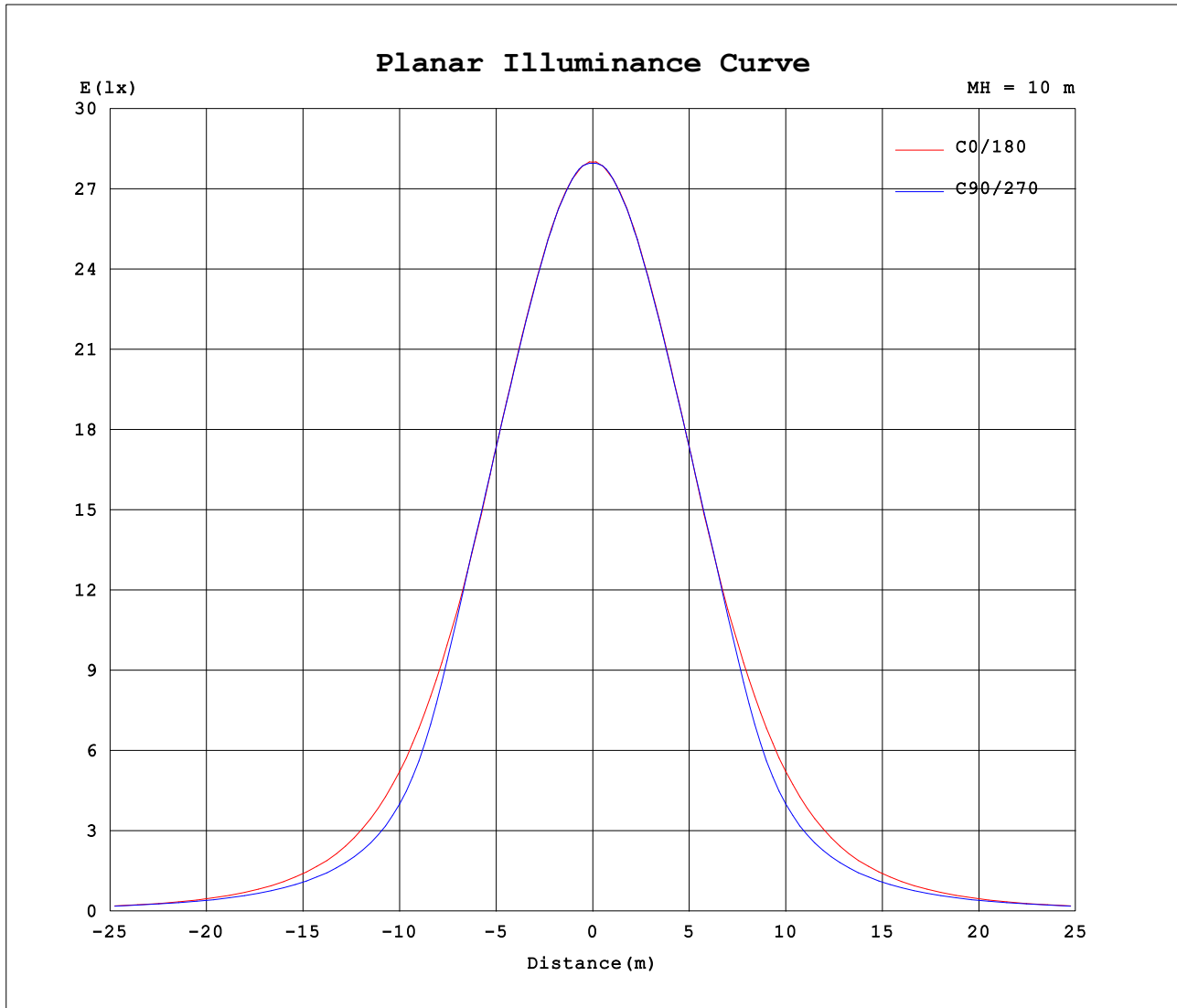
AvgL	cd/m2
L_0~180 (65) av	1525
L_0~180 (75) av	1254
L_0~180 (85) av	961
L_90~270 (65) av	1392
L_90~270 (75) av	1280
L_90~270 (85) av	1401
L_45 (65) av	1442
L_45 (75) av	1270
L_45 (85) av	1236

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-09-30

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=0.9736]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JT
Test Date: 2024-09-30

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=0.9736]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.3V I:0.2144A P:47.22W PF:0.9950 Lamp Flux:5919.27x1 lm		
NAME: 60130TF-C-125LM/W-3CCT-(3500K-5000K)	TYPE:LED	WEIGHT:
SPEC.:60130TF-C-125LM/W-3CCT-(3500K-5000K)	DIM.: 602*1212	SERIAL No.:
MFR.: JT	SUR.:0.602*1.212	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	2801	2796	2801	2796															
5	2787	2790	2787	2790															
10	2752	2750	2752	2750															
15	2685	2682	2685	2682															
20	2597	2590	2597	2590															
25	2475	2472	2475	2472															
30	2282	2295	2282	2295															
35	2051	2009	2051	2009															
40	1788	1554	1788	1554															
45	1479	1134	1479	1134															
50	1164	859	1164	859															
55	888	679	888	679															
60	659	536	659	536															
65	470	429	470	429															
70	334	328	334	328															
75	237	241	237	241															
80	143	160	143	160															
85	61.1	89.0	61.1	89.0															
90	0.24	7.05	0.24	7.05															
95	0.00	0.00	0.00	0.00															
100	0.00	0.00	0.00	0.00															
105	0.00	0.00	0.00	0.00															
110	0.00	0.02	0.00	0.02															
115	0.19	0.21	0.19	0.21															
120	0.43	0.44	0.43	0.44															
125	0.66	0.66	0.66	0.66															
130	0.89	0.86	0.89	0.86															
135	1.10	1.07	1.10	1.07															
140	1.30	1.27	1.30	1.27															
145	1.48	1.45	1.48	1.45															
150	1.67	1.64	1.67	1.64															
155	1.91	1.82	1.91	1.82															
160	2.16	1.99	2.16	1.99															
165	2.34	2.15	2.34	2.15															
170	2.48	2.26	2.48	2.26															
175	2.58	2.34	2.58	2.34															
180	2.63	2.38	2.63	2.38															

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-09-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
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Remarks: