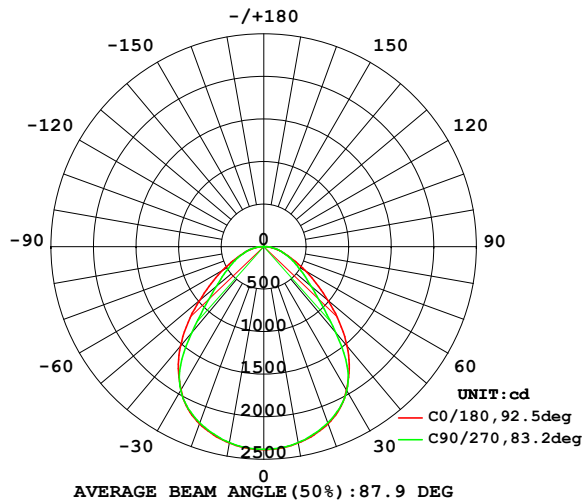


LUMINAIRE PHOTOMETRIC TEST REPORT

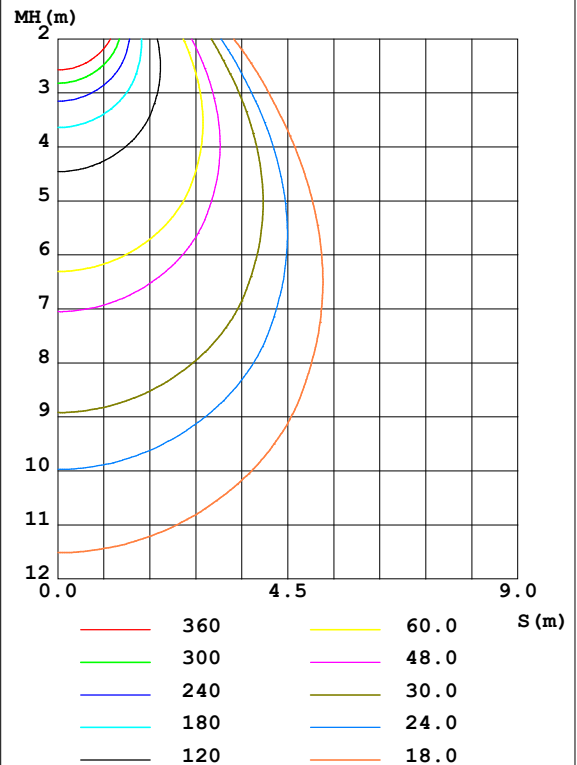
Test:U:221.3V I:0.1798A P:39.43W PF:0.9907 Lamp Flux:5036.59x1 lm		
NAME: 30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	TYPE:LED	WEIGHT:
SPEC.:30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	DIM.: 302*1212	SERIAL No.:
MFR.: JT	SUR.:0.302*1.212	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.74 lm/W			
MODEIREN0-14BPID-DV-MCCT-MW		Imax(cd)	2387	S/MH(C0/180)	1.21
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	5036.6	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	5036.59	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)



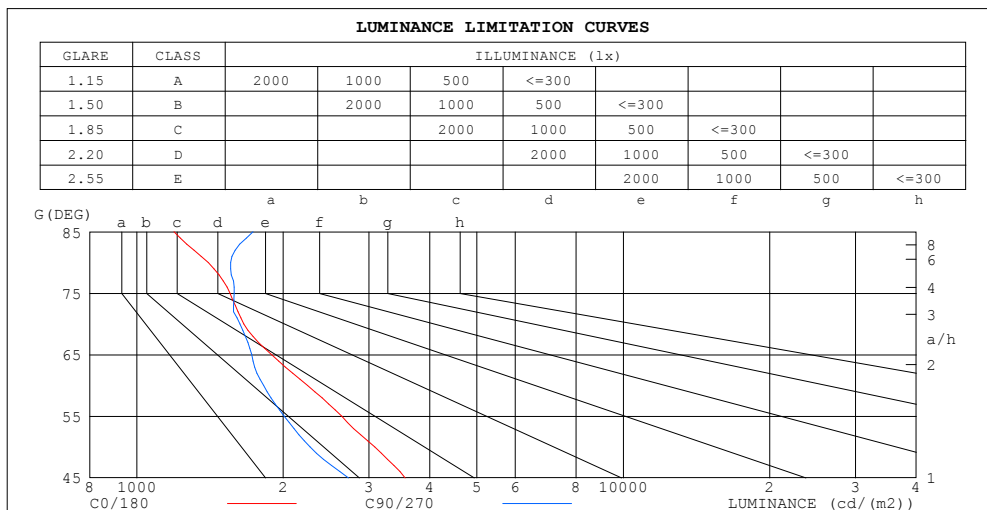
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-10-04

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=0.9736]
Remarks:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	2343	2337	2343	2337					0- 10	225.5	225.5	4.48,4.48
20	2214	2204	2214	2204					10- 20	644.7	870.2	17.3,17.3
30	1946	1953	1946	1953					20- 30	966.4	1837	36.5,36.5
40	1523	1321	1523	1321					30- 40	1070	2906	57.7,57.7
50	991.2	729.9	991.2	729.9					40- 50	862.6	3769	74.8,74.8
60	560.5	456.0	560.5	456.0					50- 60	599.5	4368	86.7,86.7
70	283.9	278.6	283.9	278.6					60- 70	381.6	4750	94.3,94.3
80	121.7	135.4	121.7	135.4					70- 80	214.4	4964	98.6,98.6
90	0.0598	5.716	0.0598	5.716					80- 90	68.93	5033	99.9,99.9
100	0	0	0	0					90-100	0.1871	5033	99.9,99.9
110	0	0	0	0					100-110	0	5033	99.9,99.9
120	0.2414	0.2600	0.2414	0.2600					110-120	0.0803	5033	99.9,99.9
130	0.6507	0.6355	0.6507	0.6355					120-130	0.3980	5034	99.9,99.9
140	0.9800	0.9633	0.9800	0.9633					130-140	0.6218	5035	100,100
150	1.312	1.278	1.312	1.278					140-150	0.7065	5035	100,100
160	1.726	1.580	1.726	1.580					150-160	0.6751	5036	100,100
170	1.990	1.805	1.990	1.805					160-170	0.5022	5036	100,100
180	2.115	1.912	2.115	1.912					170-180	0.1861	5037	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1192	1735
80	1402	1560
75	1555	1586
70	1660	1629
65	1893	1723
60	2242	1824
55	2638	2008
50	3084	2271
45	3562	2725

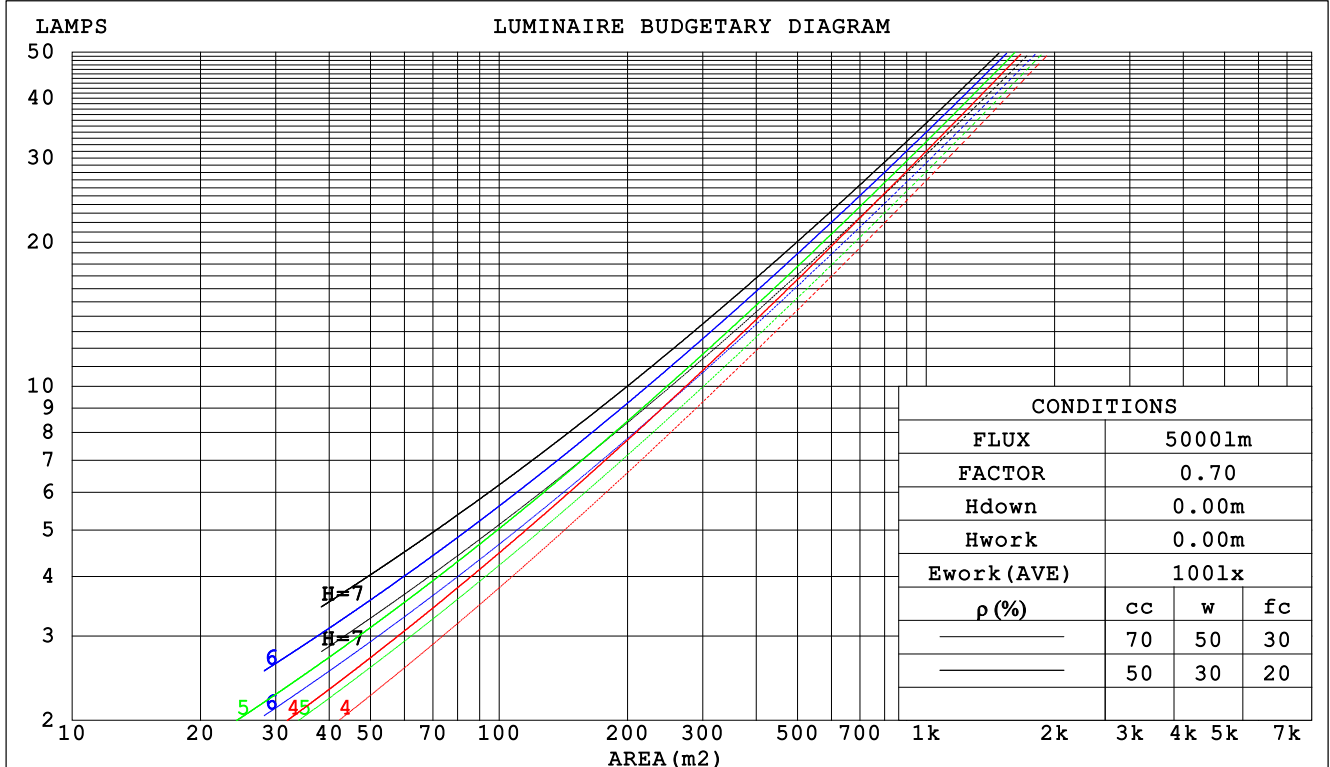
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-10-04

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=0.9736]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.3V I:0.1798A P:39.43W PF:0.9907 Lamp Flux:5036.59x1 lm		
NAME: 30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	TYPE:LED	WEIGHT:
SPEC.:30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	DIM.: 302*1212	SERIAL No.:
MFR.: JT	SUR.:0.302*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	.00	.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	.71	.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	.43	.38	.37
9.0	.48	.41	.36	.48	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.33
10.0	.45	.37	.33	.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:2024-10-04

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=0.9736]
Remarks:

WEC AND CCEC

Test:U:221.3V I:0.1798A P:39.43W PF:0.9907 Lamp Flux:5036.59x1 lm					
NAME: 30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR			TYPE:LED		WEIGHT:
SPEC.:30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR			DIM.: 302*1212		SERIAL No.:
MFR.: JT			SUR.:0.302*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	.048	.262	.150	.048	.249	.143	.046	.237	.137	.044	.226	.131	.042		
2.0	.255	.140	.043	.249	.137	.042	.238	.132	.041	.227	.127	.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	.177	.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	.129	.087	.055	.089	.061	.038	.051	.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	.049	.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	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.113	.060	.024	.097	.052	.021	.067	.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:2024-10-04

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=0.9736]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.3V I:0.1798A P:39.43W PF:0.9907 Lamp Flux:5036.59x1 lm										
NAME: 30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR					TYPE:LED			WEIGHT:		
SPEC.:30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR					DIM.: 302*1212			SERIAL No.:		
MFR.: JT					SUR.:0.302*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	15.5	16.9	15.8	17.1	17.3	14.7	16.1	15.0	16.3	16.5
3H	16.4	17.6	16.7	17.9	18.1	15.7	17.0	16.0	17.2	17.4
4H	16.7	17.9	17.0	18.2	18.4	16.2	17.4	16.5	17.6	17.9
6H	17.0	18.2	17.4	18.4	18.7	16.6	17.7	16.9	18.0	18.2
8H	17.1	18.2	17.4	18.5	18.8	16.7	17.8	17.1	18.1	18.4
12H	17.2	18.2	17.5	18.5	18.8	16.9	17.9	17.2	18.2	18.5
4H 2H	15.8	17.0	16.1	17.2	17.5	15.1	16.3	15.4	16.6	16.8
3H	16.9	17.9	17.2	18.2	18.5	16.3	17.4	16.7	17.7	18.0
4H	17.4	18.3	17.7	18.6	19.0	16.9	17.9	17.3	18.2	18.5
6H	17.8	18.6	18.2	19.0	19.3	17.5	18.3	17.9	18.7	19.0
8H	17.9	18.7	18.3	19.1	19.5	17.7	18.5	18.1	18.9	19.3
12H	18.0	18.7	18.5	19.1	19.5	17.9	18.7	18.4	19.0	19.4
8H 4H	17.5	18.3	18.0	18.7	19.1	17.2	17.9	17.6	18.3	18.7
6H	18.1	18.8	18.6	19.2	19.6	17.9	18.5	18.3	18.9	19.3
8H	18.3	18.9	18.8	19.3	19.8	18.2	18.8	18.7	19.2	19.6
12H	18.5	19.0	19.0	19.4	19.9	18.5	19.0	19.0	19.5	19.9
12H 4H	17.6	18.3	18.0	18.6	19.0	17.2	17.9	17.6	18.3	18.7
6H	18.2	18.7	18.6	19.2	19.6	17.9	18.5	18.4	18.9	19.4
8H	18.4	18.9	18.9	19.4	19.8	18.3	18.8	18.8	19.2	19.7
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 5037 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.6)

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=0.9736]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:221.3V I:0.1798A P:39.43W PF:0.9907 Lamp Flux:5036.59x1 lm		
NAME: 30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	TYPE:LED	WEIGHT:
SPEC.:30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	DIM.: 302*1212	SERIAL No.:
MFR.: JT	SUR.:0.302*1.212	Shielding Angle:

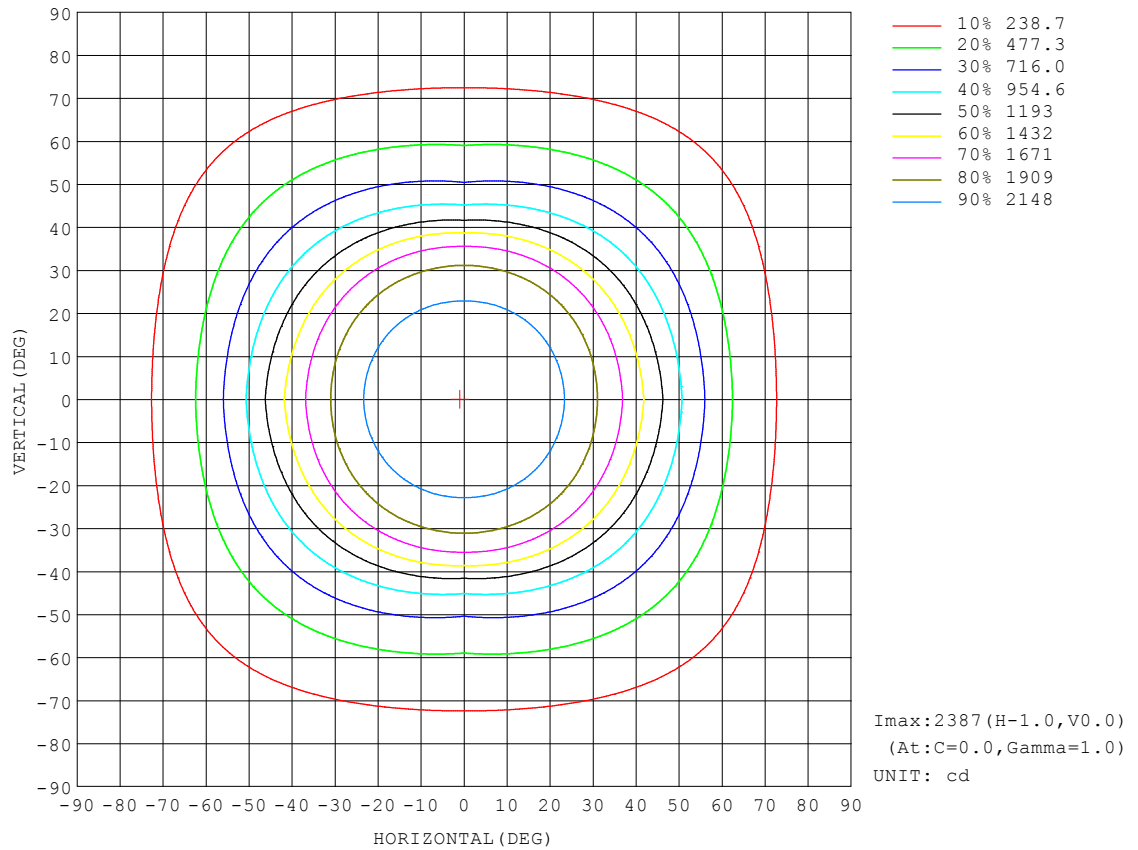
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	55	49	65	55	49	63	54	49	43
0.80	75	65	59	74	64	58	72	64	58	52
1.00	83	73	67	82	73	67	80	74	66	60
1.25	89	80	74	88	79	74	85	78	73	67
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:2024-10-04

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=0.9736]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:221.3V I:0.1798A P:39.43W PF:0.9907 Lamp Flux:5036.59x1 lm		
NAME: 30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	TYPE:LED	WEIGHT:
SPEC.:30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	DIM.: 302*1212	SERIAL No.:
MFR.: JT	SUR.:0.302*1.212	Shielding Angle:

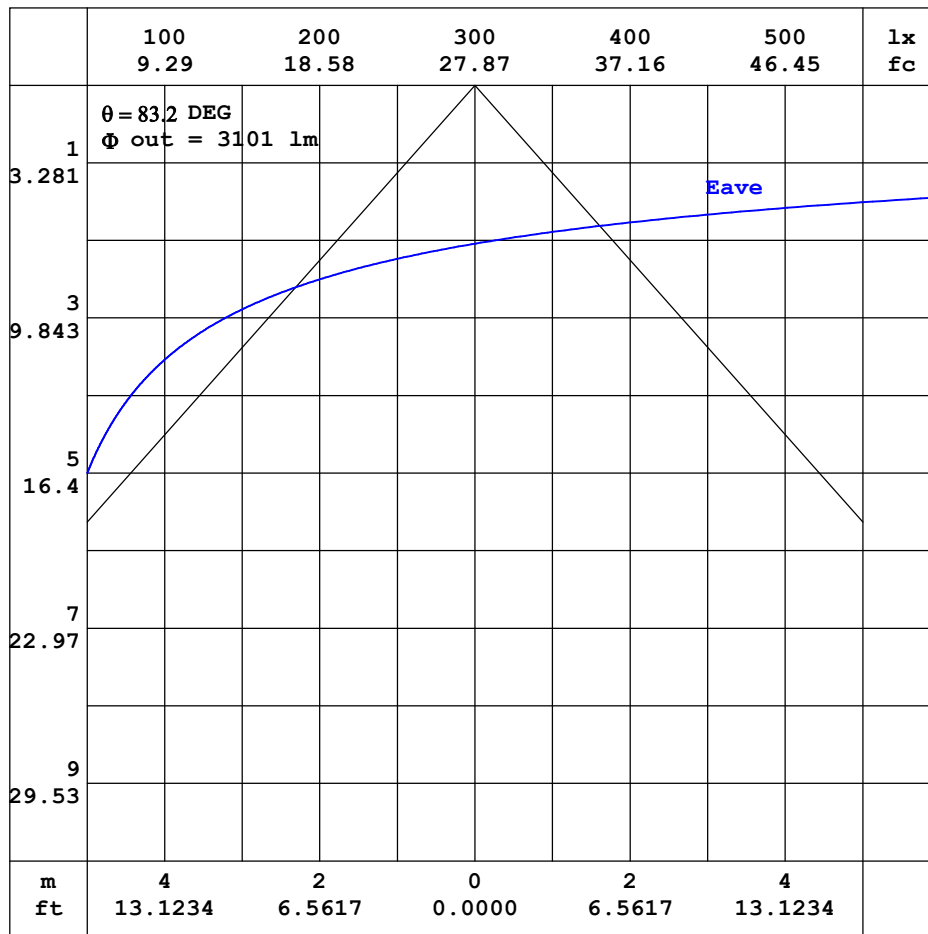


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JT
Test Date:2024-10-04

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=0.9736]
Remarks:

AAI CURVES

Test:U:221.3V I:0.1798A P:39.43W PF:0.9907 Lamp Flux:5036.59x1 lm		
NAME: 30130TF-C-125LM/W-3CCT- (3500K-5000K) -UGR	TYPE:LED	WEIGHT:
SPEC.:30130TF-C-125LM/W-3CCT- (3500K-5000K) -UGR	DIM.: 302*1212	SERIAL No.:
MFR.: JT	SUR.:0.302*1.212	Shielding Angle:



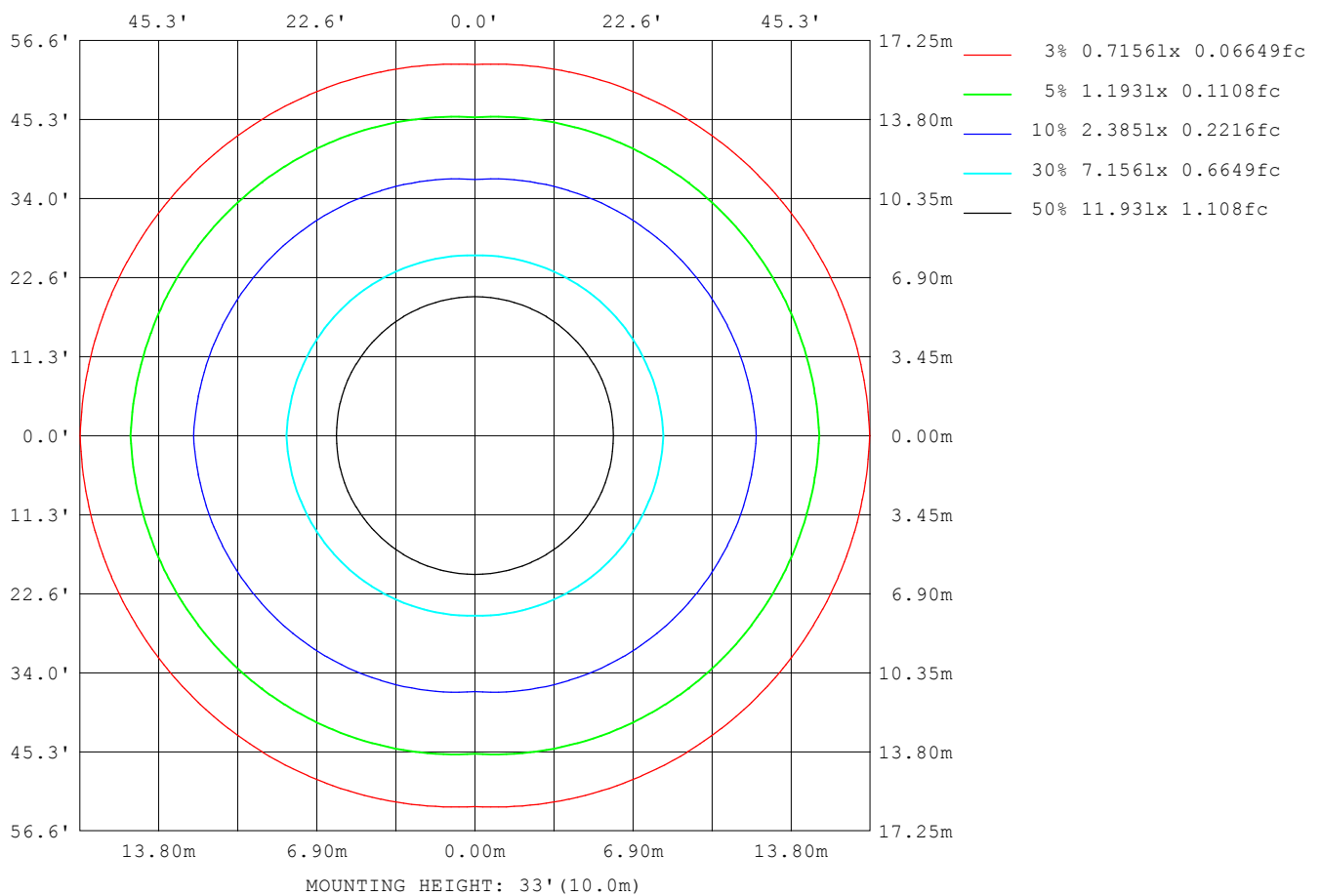
Note:The Curves indicate the illuminated area and the average illuminance when the luminaire is at different distance.

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

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=0.9736]
Remarks:

ISOLUX DIAGRAM

Test:U:221.3V I:0.1798A P:39.43W PF:0.9907 Lamp Flux:5036.59x1 lm		
NAME: 30130TF-C-125LM/W-3CCT- (3500K-5000K)-UGR	TYPE:LED	WEIGHT:
SPEC.:30130TF-C-125LM/W-3CCT- (3500K-5000K)-UGR	DIM.: 302*1212	SERIAL No.:
MFR.: JT	SUR.:0.302*1.212	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=0.9736]
Remarks:

LED Avg.L Report

Test:U:221.3V I:0.1798A P:39.43W PF:0.9907 Lamp Flux:5036.59x1 lm		
NAME: 30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	TYPE:LED	WEIGHT:
SPEC.:30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	DIM.: 302*1212	SERIAL No.:
MFR.: JT	SUR.:0.302*1.212	Shielding Angle:

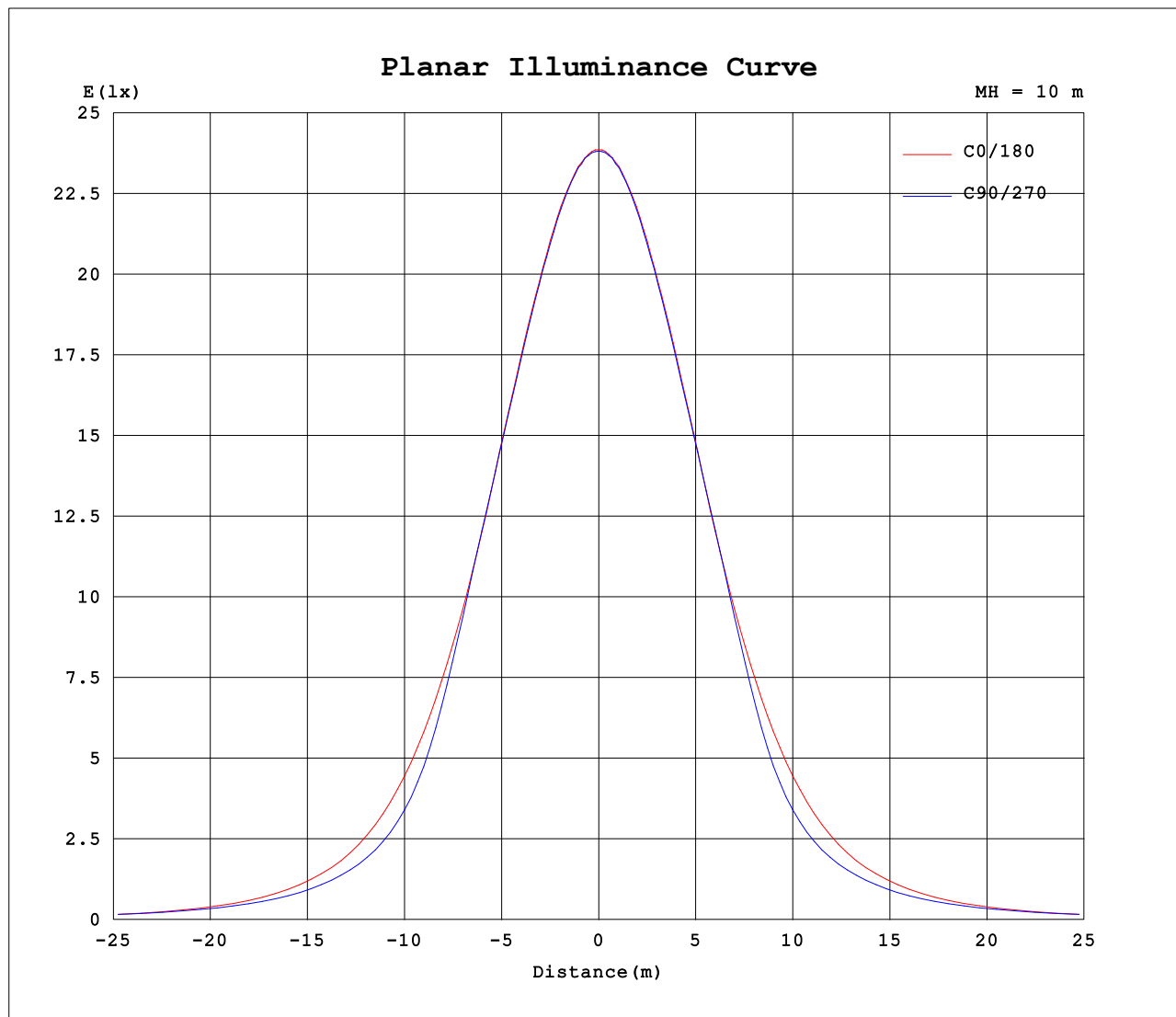
AvgL	cd/m2
L_0~180 (65) av	1893
L_0~180 (75) av	1555
L_0~180 (85) av	1192
L_90~270 (65) av	1723
L_90~270 (75) av	1586
L_90~270 (85) av	1735
L_45 (65) av	1787
L_45 (75) av	1574
L_45 (85) av	1531

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=0.9736]
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=0.9736]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.3V I:0.1798A P:39.43W PF:0.9907 Lamp Flux:5036.59x1 lm		
NAME: 30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	TYPE:LED	WEIGHT:
SPEC.:30130TF-C-125LM/W-3CCT-(3500K-5000K)-UGR	DIM.: 302*1212	SERIAL No.:
MFR.: JT	SUR.:0.302*1.212	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	2385	2382	2385	2382															
5	2374	2370	2374	2370															
10	2343	2337	2343	2337															
15	2289	2280	2289	2280															
20	2214	2204	2214	2204															
25	2108	2100	2108	2100															
30	1946	1953	1946	1953															
35	1751	1707	1751	1707															
40	1523	1321	1523	1321															
45	1260	963	1260	963															
50	991	730	991	730															
55	757	576	757	576															
60	560	456	560	456															
65	400	364	400	364															
70	284	279	284	279															
75	201	205	201	205															
80	122	135	122	135															
85	51.9	75.6	51.9	75.6															
90	0.06	5.72	0.06	5.72															
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	0.00	0.00	0.00															
115	0.05	0.07	0.05	0.07															
120	0.24	0.26	0.24	0.26															
125	0.45	0.45	0.45	0.45															
130	0.65	0.64	0.65	0.64															
135	0.82	0.79	0.82	0.79															
140	0.98	0.96	0.98	0.96															
145	1.14	1.11	1.14	1.11															
150	1.31	1.28	1.31	1.28															
155	1.50	1.43	1.50	1.43															
160	1.73	1.58	1.73	1.58															
165	1.86	1.71	1.86	1.71															
170	1.99	1.80	1.99	1.80															
175	2.07	1.88	2.07	1.88															
180	2.12	1.91	2.12	1.91															

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=0.9736]
Remarks: