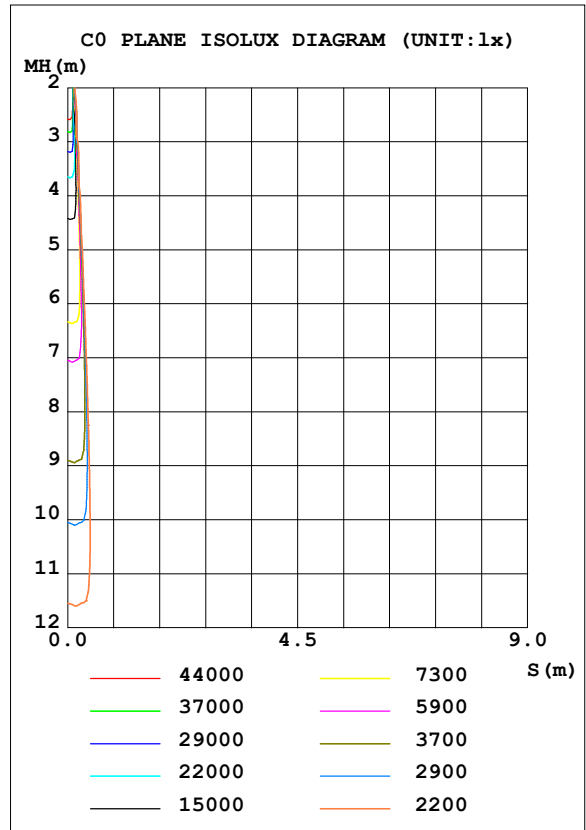
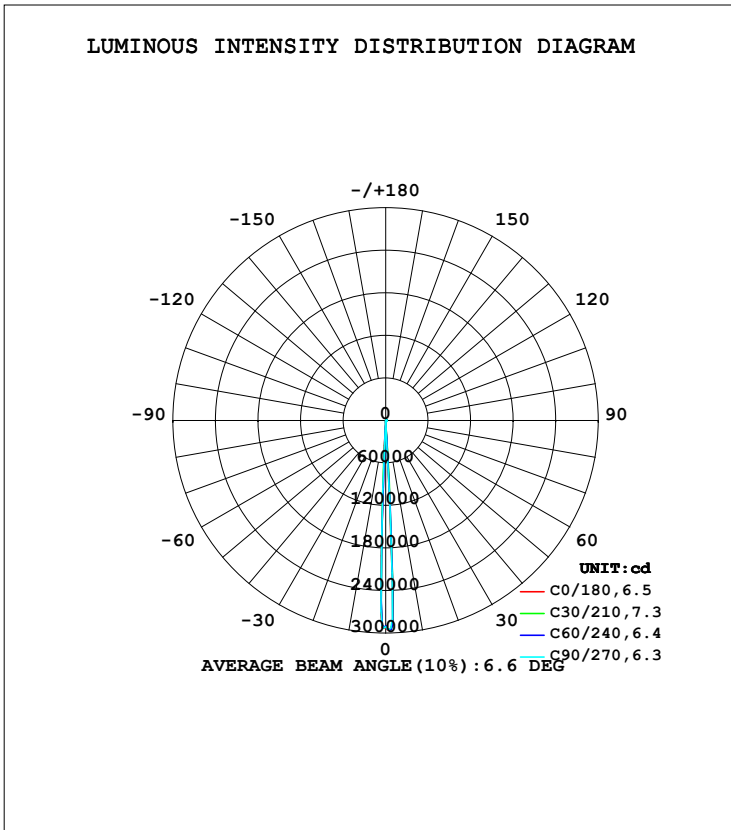




LUMINAIRE PHOTOMETRIC TEST REPORT

NAME :	DIM. :	WEIGHT :
MFR. : CLF		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	poseidon wash Xs	Imax(cd)	295737	S/MH(C0/180)	0.06
NOMINAL POWER(W)	360	LOR(%)	100.0	S/MH(C90/270)	0.07
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	2272.0	η UP, DN(C0-180)	0.0,57.4
NOMINAL FLUX(lm)	324.574	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,42.6
LAMPS INSIDE	7	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220.0	η down(%)	100.0	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:danny
 Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-HD5 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.400m [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	5.936	5.851	5.715	5.474	5.344	5.457	5.670	5.848	0- 10	2060	2060	90.7,90.7
20	1.520	1.514	1.477	1.398	1.324	1.385	1.460	1.502	10- 20	80.45	2140	94.2,94.2
30	0.6195	0.7755	0.8845	0.7113	0.5528	0.6642	0.8425	0.7055	20- 30	51.71	2192	96.5,96.5
40	0.3232	0.4099	0.4194	0.3556	0.2881	0.3404	0.4625	0.3552	30- 40	32.87	2225	97.9,97.9
50	0.1429	0.1882	0.1863	0.1801	0.1290	0.1809	0.3273	0.1943	40- 50	20.32	2245	98.8,98.8
60	0.1250	0.1183	0.1071	0.1112	0.1159	0.1088	0.1063	0.1153	50- 60	13.11	2258	99.4,99.4
70	0.0691	0.0827	0.0910	0.0748	0.0622	0.0700	0.0899	0.0759	60- 70	8.891	2267	99.8,99.8
80	0.0137	0.0104	0.0058	0.0070	0.0070	0.0059	0.0051	0.0085	70- 80	4.470	2272	100,100
90	0.0016	0.0015	0.0013	0.0012	0.0014	0.0013	0.0013	0.0016	80- 90	0.2945	2272	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY: *100cd									UNIT: lm		

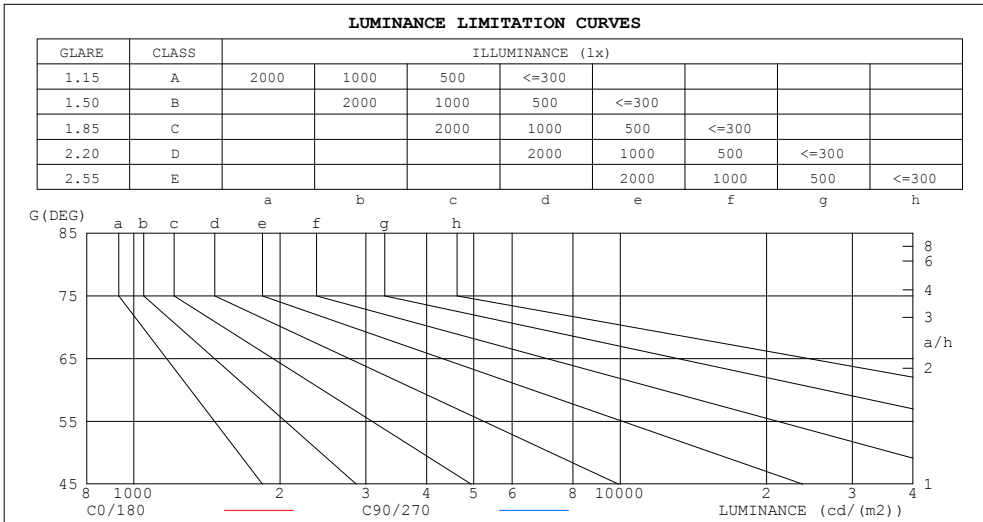
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: danny
 Test Date: 2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-HD5 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 9.400m [K=1.0000]
 Remarks:



LUMINANCE LIMITATION CURVES

NAME :	DIM. :	WEIGHT :
MFR. : CLF		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	27	23
80	79	33
75	192	104
70	202	266
65	258	200
60	250	214
55	213	250
50	222	290
45	303	386

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: danny
 Test Date: 2022-03-18

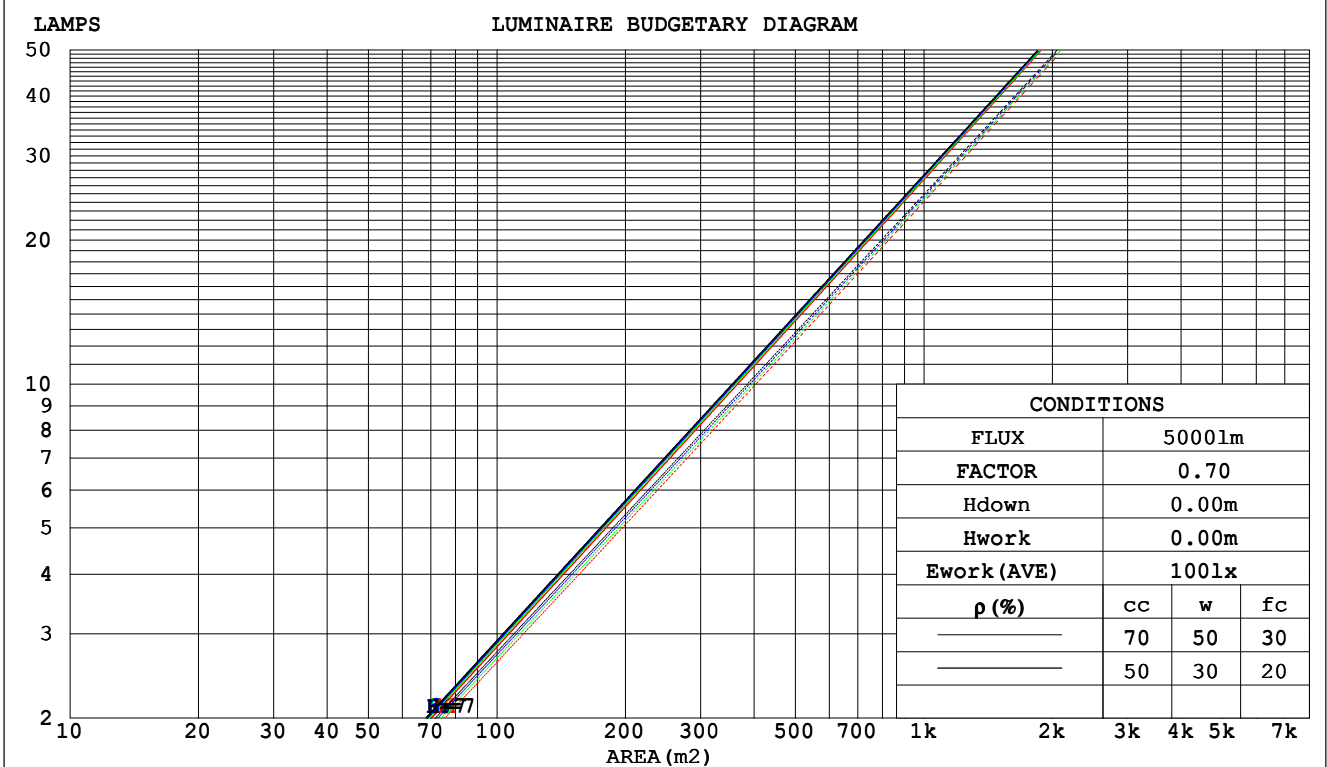
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-HD5 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 9.400m [K=1.0000]
 Remarks:



CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME :	DIM. :	WEIGHT :
MFR. : CLF		

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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.15	1.13	1.12	1.13	1.11	1.10	1.09	1.08	1.07	1.05	1.04	1.04	1.02	1.01	1.01	.99
2.0	1.11	1.09	1.07	1.10	1.08	1.06	1.07	1.05	1.04	1.04	1.03	1.02	1.01	1.00	.00	.98
3.0	1.09	1.06	1.04	1.07	1.05	1.03	1.05	1.03	1.02	1.03	1.01	1.00	1.01	.00	.99	.98
4.0	1.06	1.04	1.02	1.05	1.03	1.01	1.04	1.02	1.00	1.02	1.00	.99	1.00	.99	.98	.97
5.0	1.05	1.02	1.00	1.04	1.01	.00	1.02	1.00	.99	1.01	.99	.98	.00	.98	.97	.96
6.0	1.03	1.01	.99	1.03	1.00	.98	1.02	.99	.98	1.00	.99	.97	.99	.98	.97	.96
7.0	1.02	.00	.98	1.02	.99	.98	1.01	.99	.97	.00	.98	.97	.99	.97	.96	.96
8.0	1.01	.99	.97	1.01	.98	.97	.00	.98	.96	.99	.97	.96	.99	.97	.96	.95
9.0	1.00	.98	.96	1.00	.98	.96	.99	.97	.96	.99	.97	.96	.98	.97	.95	.95
10.0	.00	.97	.96	.99	.97	.96	.99	.97	.96	.98	.97	.95	.98	.96	.95	.95



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:danny
 Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-HD5 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.400m [K=1.0000]
 Remarks:



WEC AND CCEC

NAME:	DIM.:	WEIGHT:
MFR.: CLF		

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	.103	.059	.019	.097	.055	.018	.084	.048	.015	.073	.042	.014	.063	.036	.012	
2.0	.092	.051	.016	.087	.048	.015	.077	.043	.013	.068	.038	.012	.060	.034	.011	
3.0	.083	.044	.013	.079	.042	.013	.071	.038	.012	.063	.035	.011	.056	.031	.010	
4.0	.075	.039	.011	.072	.037	.011	.065	.034	.010	.059	.032	.010	.053	.029	.009	
5.0	.069	.035	.010	.066	.034	.010	.060	.031	.009	.055	.029	.009	.050	.027	.008	
6.0	.063	.032	.009	.060	.031	.009	.056	.029	.008	.051	.027	.008	.047	.025	.007	
7.0	.058	.029	.008	.056	.028	.008	.052	.026	.008	.048	.025	.007	.045	.023	.007	
8.0	.054	.026	.007	.052	.026	.007	.049	.024	.007	.046	.023	.007	.043	.022	.006	
9.0	.050	.024	.007	.049	.024	.007	.046	.023	.006	.043	.022	.006	.040	.021	.006	
10.0	.047	.022	.006	.046	.022	.006	.043	.021	.006	.041	.020	.006	.038	.019	.006	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.166	.158	.151	.142	.136	.130	.097	.093	.090	.056	.054	.052	.018	.017	.017	
2.0	.146	.133	.122	.125	.114	.106	.085	.079	.074	.049	.046	.043	.016	.015	.014	
3.0	.128	.113	.101	.110	.098	.087	.076	.068	.061	.044	.040	.036	.014	.013	.012	
4.0	.114	.097	.084	.098	.084	.073	.067	.058	.052	.039	.034	.030	.013	.011	.010	
5.0	.102	.084	.071	.087	.073	.062	.060	.051	.044	.035	.030	.026	.011	.010	.009	
6.0	.091	.074	.061	.078	.064	.053	.054	.045	.037	.031	.026	.022	.010	.009	.007	
7.0	.082	.065	.052	.071	.056	.046	.049	.039	.032	.028	.023	.019	.009	.008	.006	
8.0	.075	.057	.046	.064	.050	.040	.044	.035	.028	.026	.021	.017	.008	.007	.006	
9.0	.068	.051	.040	.059	.044	.035	.041	.031	.025	.024	.018	.015	.008	.006	.005	
10.0	.062	.046	.035	.054	.040	.031	.037	.028	.022	.022	.017	.013	.007	.005	.004	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:danny
 Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-HD5 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.400m [K=1.0000]
 Remarks:



UGR(Unified Glare Rating) Table

NAME:		DIM.:					WEIGHT:				
MFR.: CLF											
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		-4.8	-4.4	-4.6	-4.3	-4.1	-5.3	-4.9	-5.1	-4.8	-4.6
	3H	-3.7	-3.3	-3.5	-3.2	-3.0	-4.1	-3.7	-3.9	-3.5	-3.4
	4H	-3.2	-2.8	-3.0	-2.6	-2.4	-3.6	-3.2	-3.4	-3.0	-2.8
	6H	-3.1	-2.7	-2.8	-2.5	-2.3	-3.6	-3.2	-3.3	-3.0	-2.8
	8H	-3.1	-2.8	-2.9	-2.6	-2.3	-3.6	-3.3	-3.4	-3.1	-2.8
	12H	-3.2	-2.8	-2.9	-2.6	-2.3	-3.7	-3.3	-3.4	-3.1	-2.8
4H	2H	-4.4	-4.0	-4.2	-3.8	-3.6	-4.8	-4.4	-4.6	-4.2	-4.0
	3H	-3.0	-2.6	-2.7	-2.4	-2.1	-3.4	-3.0	-3.1	-2.8	-2.5
	4H	-2.5	-2.1	-2.1	-1.9	-1.6	-2.8	-2.5	-2.5	-2.2	-1.9
	6H	-2.4	-2.1	-2.0	-1.8	-1.4	-2.8	-2.5	-2.4	-2.2	-1.8
	8H	-2.4	-2.2	-2.0	-1.8	-1.5	-2.8	-2.6	-2.5	-2.2	-1.9
	12H	-2.5	-2.2	-2.1	-1.9	-1.5	-2.9	-2.6	-2.5	-2.3	-1.9
8H	4H	-2.4	-2.1	-2.0	-1.8	-1.4	-2.7	-2.4	-2.3	-2.1	-1.7
	6H	-2.3	-2.1	-1.9	-1.7	-1.3	-2.6	-2.4	-2.2	-2.0	-1.6
	8H	-2.4	-2.2	-1.9	-1.7	-1.3	-2.7	-2.5	-2.2	-2.1	-1.6
	12H	-2.4	-2.3	-2.0	-1.8	-1.3	-2.7	-2.6	-2.3	-2.1	-1.7
12H	4H	-2.4	-2.2	-2.0	-1.8	-1.4	-2.7	-2.5	-2.3	-2.1	-1.7
	6H	-2.4	-2.2	-1.9	-1.8	-1.3	-2.7	-2.5	-2.2	-2.1	-1.6
	8H	-2.4	-2.2	-2.0	-1.8	-1.3	-2.7	-2.6	-2.3	-2.1	-1.7
Variations with the observer position at spacings:											
S = 1.0H		+ 1.0 / - 0.7					+ 0.7 / - 0.7				
1.5H		+ 0.9 / - 0.9					+ 1.1 / - 0.5				
2.0H		+ 1.2 / - 1.3					+ 1.1 / - 1.2				

CIE Pub.117, 2272 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.9)
 Area: 0.1 m2

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:danny
 Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-HD5 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.400m [K=1.0000]
 Remarks:



UTILIZATION FACTORS TABLE

NAME:	DIM.:	WEIGHT:
MFR.: CLF		

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) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	90	84	81	89	84	81	78
0.80	97	92	89	97	92	88	96	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	108	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	114	112	113	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

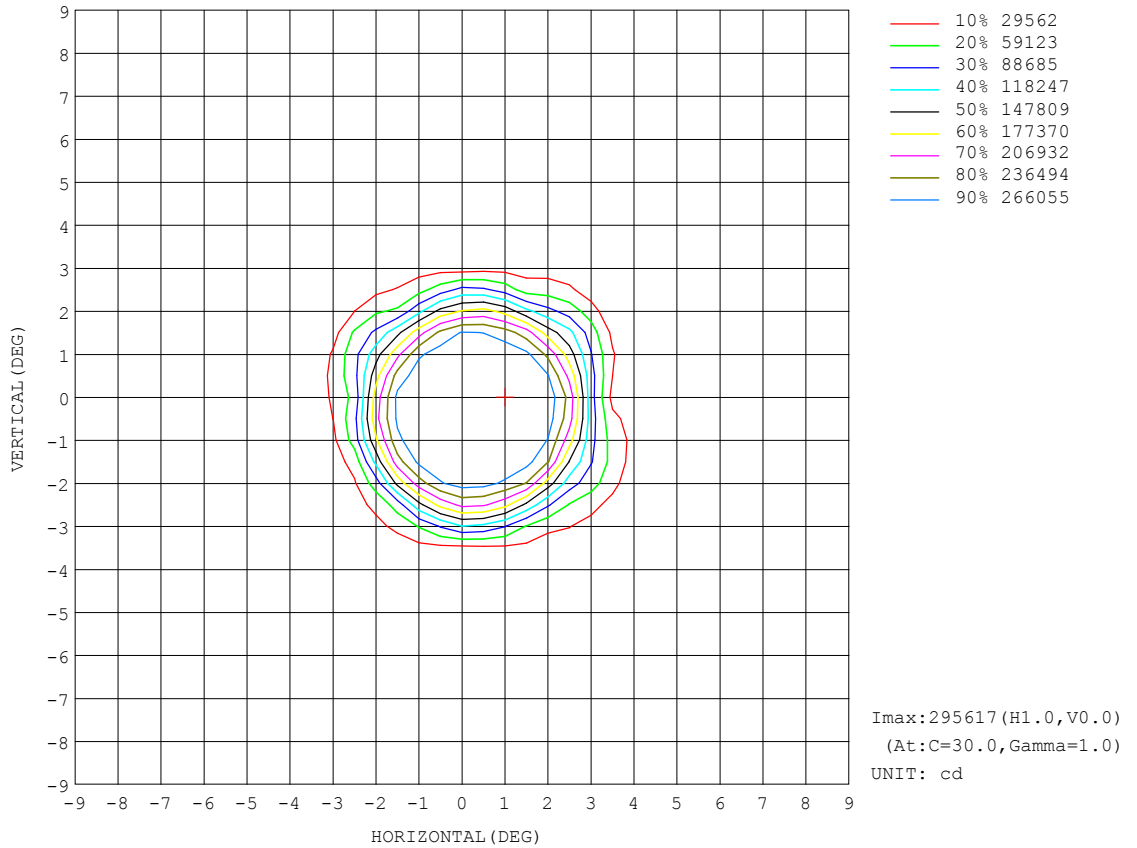
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: danny
 Test Date: 2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-HD5 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 9.400m [K=1.0000]
 Remarks:



ISOCANDELA DIAGRAM

NAME :	DIM. :	WEIGHT :
MFR. : CLF		



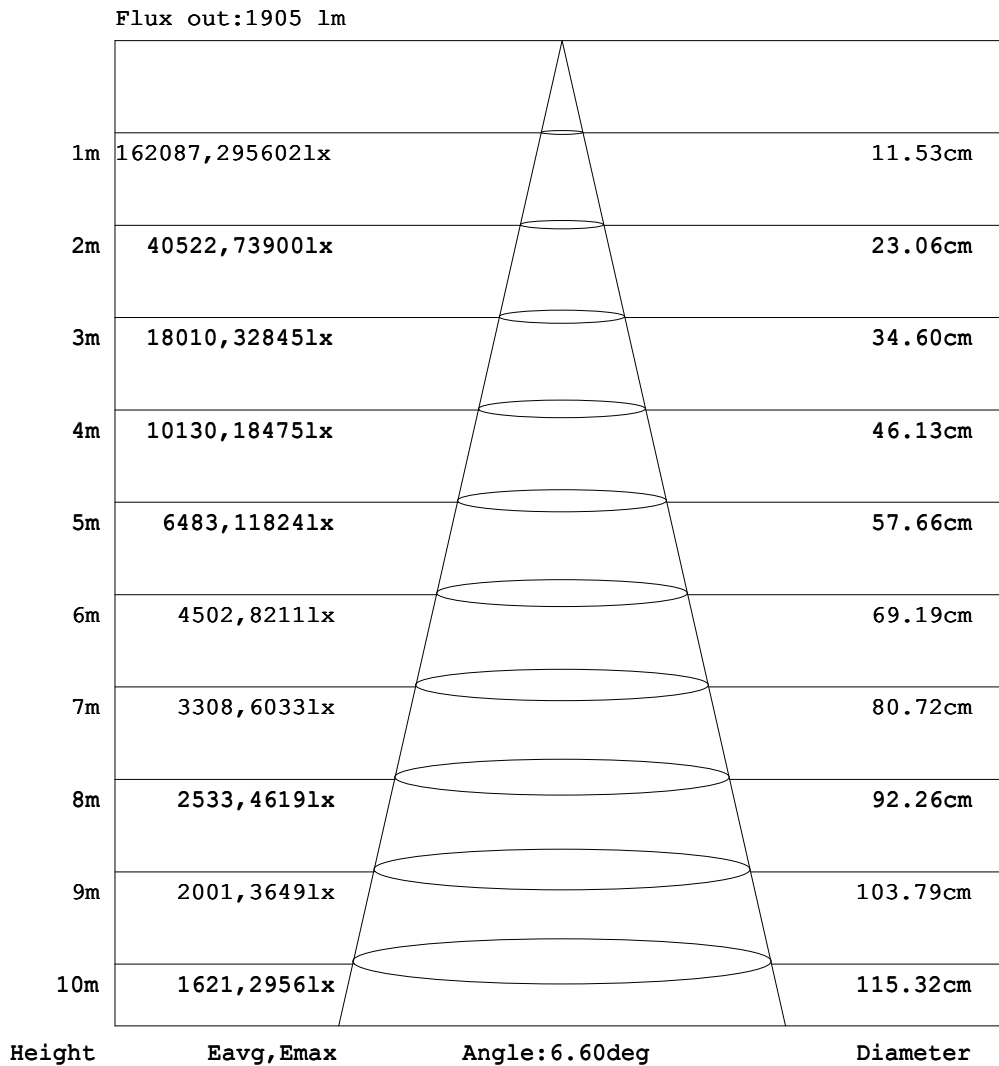
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:danny
Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-HD5 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:9.400m [K=1.0000]
Remarks:



AAI Figure

NAME :	DIM. :	WEIGHT :
MFR. : CLF		



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

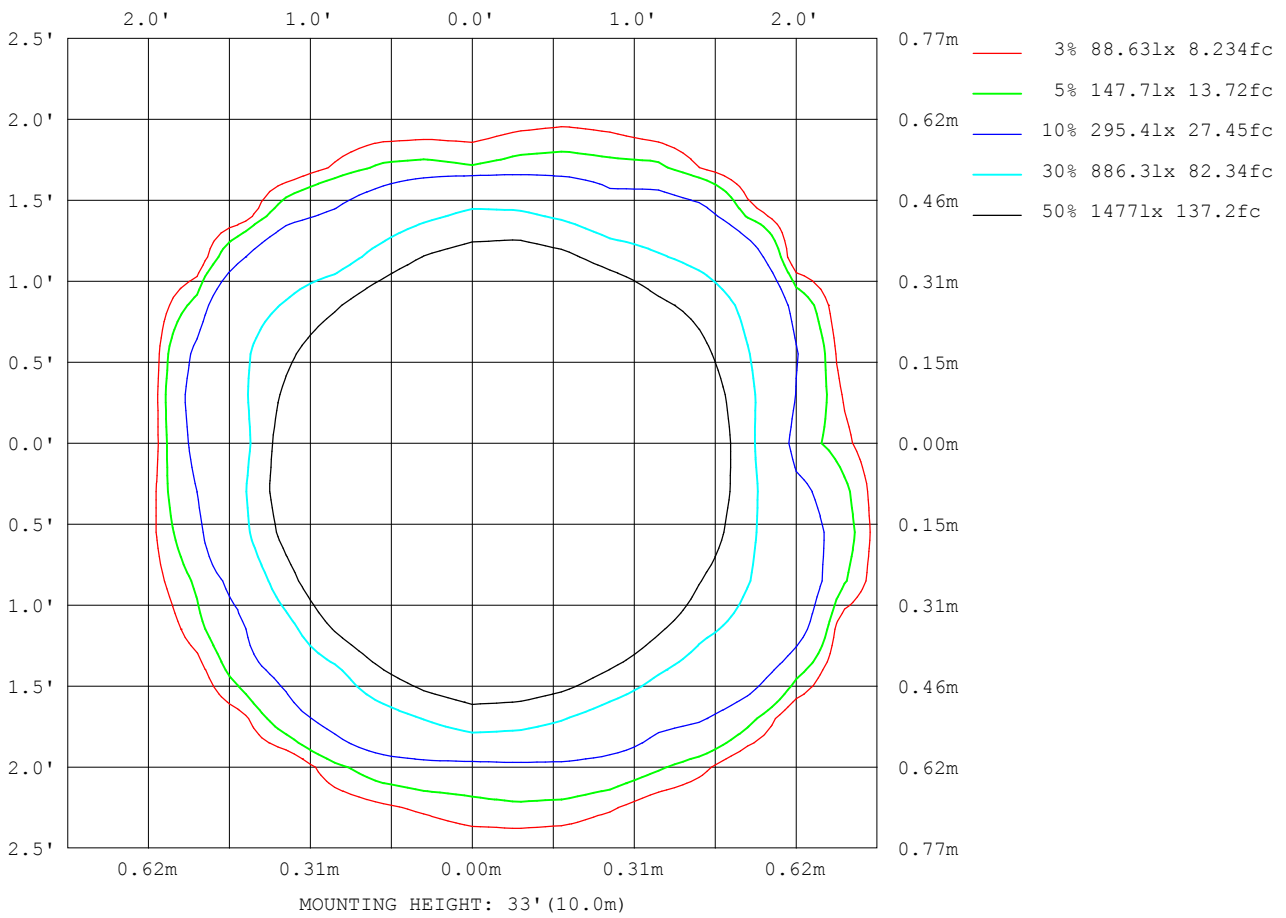
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:danny
 Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-HD5 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.400m [K=1.0000]
 Remarks:



ISOLUX DIAGRAM

NAME :	DIM. :	WEIGHT :
MFR. : CLF		



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: danny
Test Date: 2022-03-18

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-HD5 SYSTEM V2.0.407.13
Humidity: 65.0%
Test Distance: 9.400m [K=1.0000]
Remarks:



LED Avg.L Report

NAME :	DIM. :	WEIGHT :
MFR. : CLF		

AvgL	cd/m2
L_0~180 (65) av	225
L_0~180 (75) av	176
L_0~180 (85) av	24
L_90~270 (65) av	198
L_90~270 (75) av	99
L_90~270 (85) av	22
L_45 (65) av	214
L_45 (75) av	156
L_45 (85) av	24

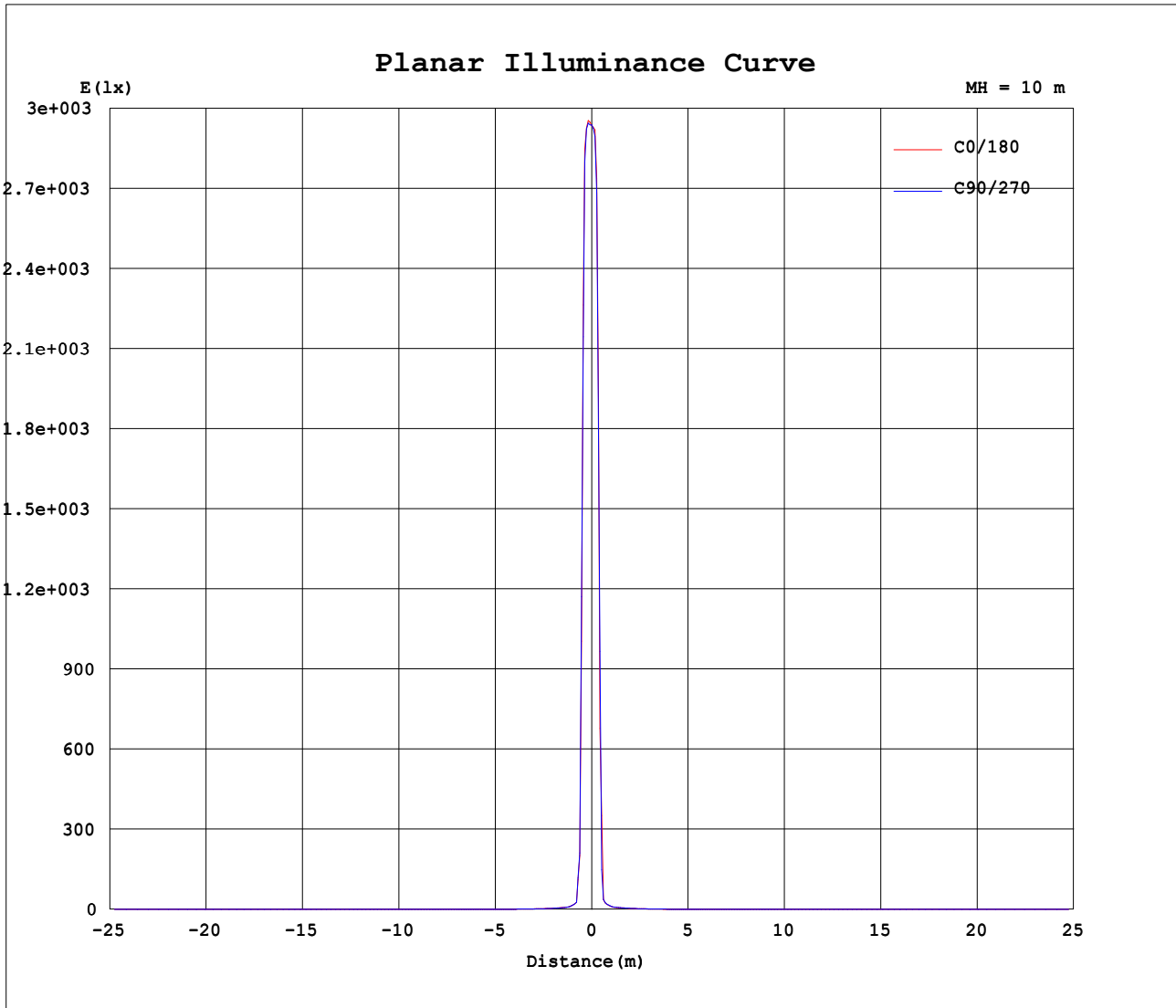
Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:danny
Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-HD5 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:9.400m [K=1.0000]
Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: danny
Test Date: 2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-HD5 SYSTEM V2.0.407.13
Humidity: 65.0%
Test Distance: 9.400m [K=1.0000]
Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

NAME :	DIM. :	WEIGHT :
MFR. : CLF		

Table--1

UNIT: ×100cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	2932	2901	2894	2905	2916	2930	2936	2944	2947	2938	2925	2925						
5	21.9	22.8	22.8	21.6	20.3	17.7	16.0	15.6	15.4	16.8	18.0	20.6						
10	5.94	5.96	5.75	5.72	5.48	5.46	5.34	5.47	5.44	5.67	5.72	5.97						
15	2.98	2.97	2.85	2.81	2.73	2.71	2.68	2.73	2.74	2.84	2.89	2.99						
20	1.52	1.57	1.46	1.48	1.38	1.42	1.32	1.40	1.36	1.46	1.45	1.56						
25	1.18	1.37	1.16	1.33	1.14	1.35	1.12	1.30	1.13	1.33	1.16	1.33						
30	0.62	0.93	0.62	0.88	0.59	0.83	0.55	0.78	0.55	0.84	0.57	0.84						
35	0.46	0.66	0.47	0.63	0.45	0.59	0.42	0.56	0.41	0.62	0.43	0.60						
40	0.32	0.49	0.33	0.42	0.31	0.40	0.29	0.39	0.29	0.46	0.30	0.41						
45	0.21	0.32	0.22	0.27	0.20	0.30	0.19	0.30	0.19	0.40	0.20	0.28						
50	0.14	0.23	0.15	0.19	0.14	0.22	0.13	0.23	0.13	0.33	0.14	0.25						
55	0.12	0.16	0.12	0.14	0.13	0.16	0.14	0.16	0.14	0.20	0.13	0.19						
60	0.13	0.11	0.12	0.11	0.12	0.10	0.12	0.10	0.12	0.11	0.12	0.11						
65	0.11	0.09	0.10	0.08	0.09	0.08	0.08	0.08	0.09	0.08	0.10	0.09						
70	0.07	0.10	0.07	0.09	0.06	0.08	0.06	0.08	0.06	0.09	0.07	0.08						
75	0.05	0.03	0.05	0.03	0.05	0.02	0.04	0.02	0.05	0.02	0.06	0.03						
80	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01						
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						
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						

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:danny
 Test Date:2022-03-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-HD5 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.400m [K=1.0000]
 Remarks: