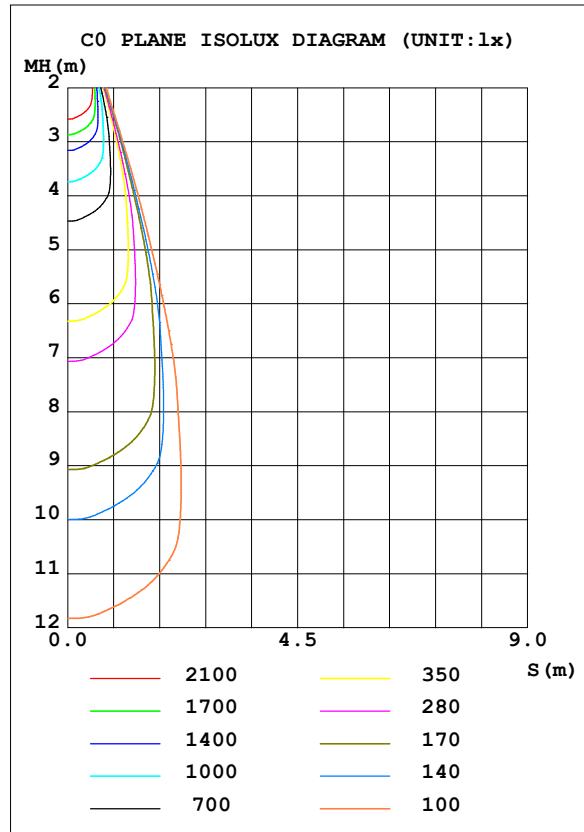
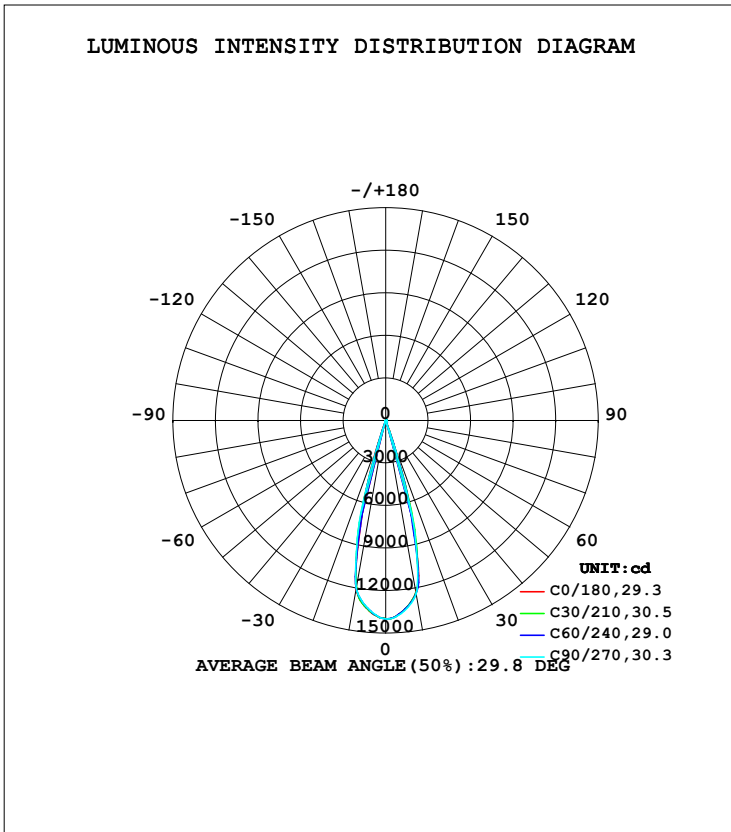




LUMINAIRE PHOTOMETRIC TEST REPORT

NAME :	DIM. :	WEIGHT :
MFR. : CLF		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 10.28 lm/W			
MODEL	Poseidon wash XS	I _{max} (cd)	14007	S/MH (C0/180)	0.43
NOMINAL POWER (W)	360	LOR (%)	100.0	S/MH (C90/270)	0.42
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	3019.2	η UP, DN (C0-180)	0.0, 51.5
NOMINAL FLUX (lm)	431.31	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 48.5
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	1232	1236	1240	1215	1208	1199	1199	1219	0- 10	1249	1249	41.4, 41.4
20	81.22	77.91	70.89	53.84	39.94	31.29	32.10	56.42	10- 20	1673	2922	96.8, 96.8
30	5.566	5.771	5.676	5.534	5.010	5.492	6.169	5.803	20- 30	57.28	2979	98.7, 98.7
40	2.075	2.463	2.461	2.114	1.796	2.048	2.543	2.320	30- 40	22.89	3002	99.4, 99.4
50	0.7384	0.8578	0.7976	0.7136	0.6773	0.7169	0.8172	0.7531	40- 50	9.790	3012	99.8, 99.8
60	0.3014	0.3114	0.2825	0.2736	0.2913	0.2913	0.2894	0.2903	50- 60	4.487	3016	99.9, 99.9
70	0.0634	0.0612	0.0582	0.0507	0.0490	0.0553	0.0624	0.0638	60- 70	1.918	3018	100, 100
80	0.0473	0.0435	0.0396	0.0371	0.0380	0.0393	0.0422	0.0468	70- 80	0.5245	3019	100, 100
90	0.0169	0.0165	0.0144	0.0144	0.0144	0.0139	0.0144	0.0169	80- 90	0.3456	3019	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: *10cd									UNIT: lm		

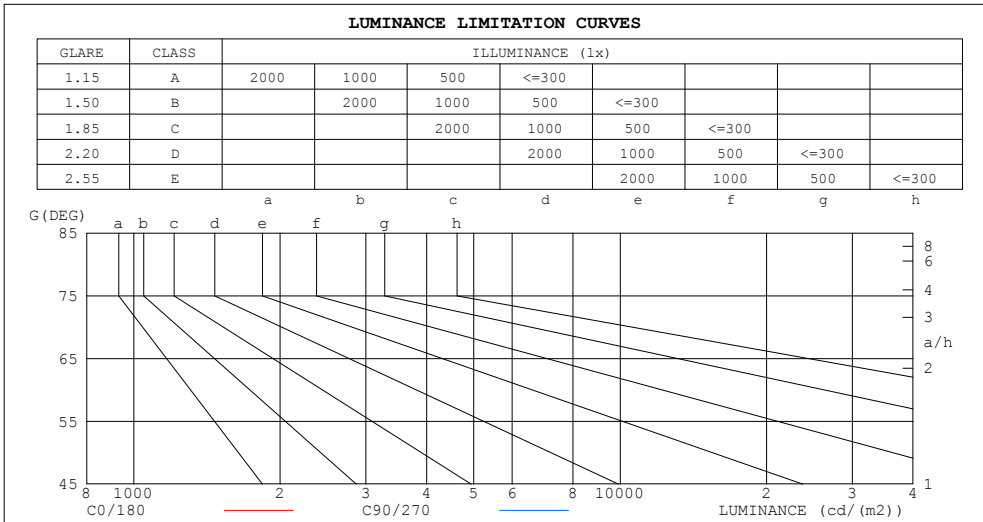
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Danny
 Test Date: 2022-03-18

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	46	35
80	27	23
75	21	19
70	19	17
65	58	75
60	60	56
55	90	91
50	115	124
45	158	180

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

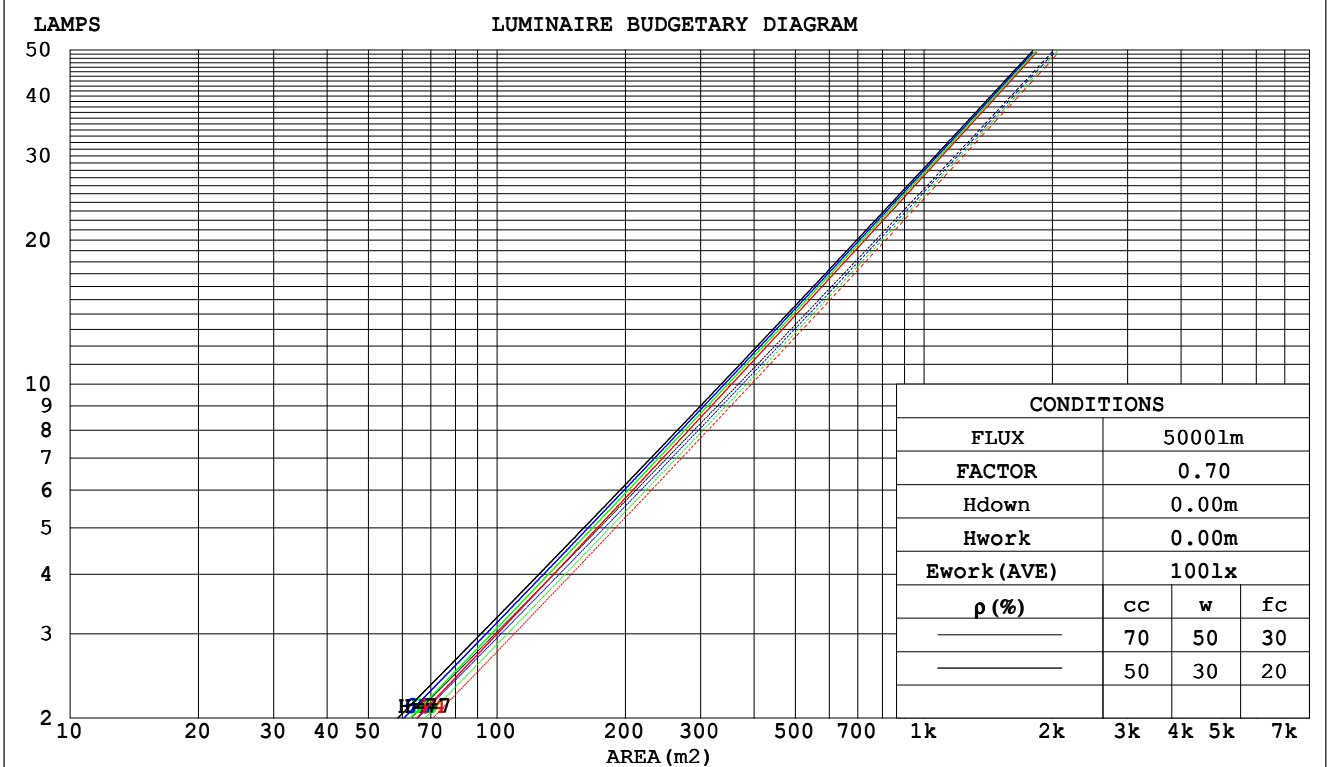
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-HD5 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 9.400m [K=1.0000]
 Remarks:



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	1.13	1.12	1.10	1.11	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.00	.00	.99	.97
2.0	1.09	1.06	1.04	1.07	1.05	1.03	1.04	1.02	1.01	1.01	.00	.98	.99	.98	.96	.95
3.0	1.05	1.02	.99	1.04	1.01	.98	1.01	.99	.97	.99	.97	.95	.97	.95	.94	.93
4.0	1.02	.98	.95	1.01	.97	.95	.99	.96	.94	.97	.95	.93	.95	.93	.92	.91
5.0	.99	.95	.92	.98	.94	.92	.96	.93	.91	.95	.92	.90	.93	.91	.90	.89
6.0	.96	.92	.90	.95	.92	.89	.94	.91	.89	.93	.90	.88	.92	.89	.88	.87
7.0	.93	.90	.87	.93	.89	.87	.92	.89	.87	.91	.88	.86	.90	.88	.86	.85
8.0	.91	.88	.85	.91	.87	.85	.90	.87	.85	.89	.86	.84	.88	.86	.84	.83
9.0	.89	.86	.83	.89	.85	.83	.88	.85	.83	.87	.85	.83	.87	.84	.82	.82
10.0	.87	.84	.81	.87	.83	.81	.86	.83	.81	.86	.83	.81	.85	.83	.81	.80



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	.125	.071	.023	.119	.068	.022	.106	.061	.019	.095	.055	.018	.085	.049	.016	
2.0	.115	.063	.019	.109	.060	.019	.099	.055	.017	.090	.050	.016	.081	.046	.014	
3.0	.106	.056	.017	.101	.054	.016	.093	.050	.015	.085	.047	.014	.078	.043	.013	
4.0	.098	.051	.015	.095	.050	.015	.088	.046	.014	.081	.044	.013	.075	.041	.012	
5.0	.092	.047	.014	.089	.046	.013	.083	.043	.013	.078	.041	.012	.072	.039	.012	
6.0	.087	.043	.012	.084	.042	.012	.079	.040	.012	.074	.039	.011	.070	.037	.011	
7.0	.082	.041	.011	.080	.040	.011	.075	.038	.011	.071	.037	.011	.067	.035	.010	
8.0	.078	.038	.011	.076	.037	.011	.072	.036	.010	.069	.035	.010	.065	.033	.010	
9.0	.074	.036	.010	.073	.035	.010	.069	.034	.010	.066	.033	.009	.063	.032	.009	
10.0	.071	.034	.009	.070	.034	.009	.067	.033	.009	.064	.032	.009	.061	.031	.009	

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	.168	.158	.149	.143	.135	.128	.098	.093	.089	.056	.054	.052	.018	.017	.017	
2.0	.149	.133	.119	.127	.114	.103	.087	.079	.072	.050	.046	.042	.016	.015	.014	
3.0	.133	.113	.098	.114	.098	.085	.078	.068	.059	.045	.040	.035	.015	.013	.011	
4.0	.120	.098	.081	.103	.084	.070	.071	.059	.049	.041	.034	.029	.013	.011	.010	
5.0	.109	.085	.068	.093	.074	.059	.064	.051	.042	.037	.030	.025	.012	.010	.008	
6.0	.099	.075	.057	.085	.065	.050	.059	.045	.035	.034	.027	.021	.011	.009	.007	
7.0	.091	.067	.049	.079	.058	.043	.054	.040	.030	.032	.024	.018	.010	.008	.006	
8.0	.085	.060	.042	.073	.052	.037	.050	.036	.026	.029	.021	.016	.009	.007	.005	
9.0	.079	.054	.037	.068	.047	.032	.047	.033	.023	.027	.019	.014	.009	.006	.005	
10.0	.074	.049	.032	.063	.042	.028	.044	.030	.020	.026	.018	.012	.008	.006	.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	-12.0	-11.4	-11.8	-11.2	-11.1	-12.5	-12.0	-12.3	-11.8	-11.7
3H	-12.0	-11.4	-11.7	-11.3	-11.1	-12.5	-12.0	-12.3	-11.8	-11.6
4H	-12.0	-11.5	-11.8	-11.3	-11.1	-12.6	-12.0	-12.3	-11.8	-11.6
6H	-12.0	-11.6	-11.8	-11.3	-11.1	-12.6	-12.1	-12.3	-11.9	-11.7
8H	-12.0	-11.6	-11.8	-11.3	-11.1	-12.6	-12.1	-12.3	-11.9	-11.7
12H	-12.0	-11.6	-11.7	-11.3	-11.1	-12.6	-12.2	-12.3	-11.9	-11.6
4H 2H	-12.0	-11.5	-11.7	-11.3	-11.1	-12.5	-12.0	-12.3	-11.8	-11.6
3H	-12.0	-11.6	-11.7	-11.3	-11.0	-12.5	-12.1	-12.2	-11.8	-11.6
4H	-12.0	-11.6	-11.7	-11.3	-11.0	-12.6	-12.1	-12.2	-11.9	-11.6
6H	-12.1	-11.7	-11.7	-11.4	-11.0	-12.6	-12.2	-12.2	-11.9	-11.6
8H	-12.0	-11.7	-11.7	-11.4	-11.0	-12.6	-12.2	-12.2	-11.9	-11.5
12H	-12.0	-11.7	-11.6	-11.3	-10.9	-12.6	-12.3	-12.2	-11.9	-11.5
8H 4H	-12.2	-11.8	-11.8	-11.5	-11.1	-12.7	-12.3	-12.3	-12.0	-11.6
6H	-12.2	-11.9	-11.7	-11.5	-11.1	-12.7	-12.4	-12.3	-12.0	-11.6
8H	-12.1	-11.9	-11.7	-11.4	-11.0	-12.6	-12.4	-12.2	-12.0	-11.5
12H	-12.0	-11.8	-11.6	-11.4	-10.9	-12.6	-12.4	-12.1	-11.9	-11.5
12H 4H	-12.2	-11.9	-11.8	-11.5	-11.2	-12.7	-12.4	-12.3	-12.0	-11.7
6H	-12.2	-11.9	-11.8	-11.5	-11.1	-12.7	-12.5	-12.3	-12.0	-11.6
8H	-12.1	-11.9	-11.7	-11.5	-11.0	-12.7	-12.4	-12.2	-12.0	-11.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.0 / - 3.9					+ 2.6 / - 3.2				
1.5H	+ 3.0 / - 2.3					+ 3.6 / - 2.2				
2.0H	+ 2.7 / - 2.6					+ 2.9 / - 2.8				

CIE Pub.117, 3019 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.8)
 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) $k(RI) \times RCR = 5$									
$k = 0.60$	91	86	82	91	85	82	90	85	82	79
0.80	98	93	90	98	93	90	96	92	89	86
1.00	102	97	94	101	96	93	100	96	93	89
1.25	105	101	98	104	100	97	102	99	96	93
1.50	108	104	101	107	103	100	104	101	99	95
2.00	110	106	103	109	105	103	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	110	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

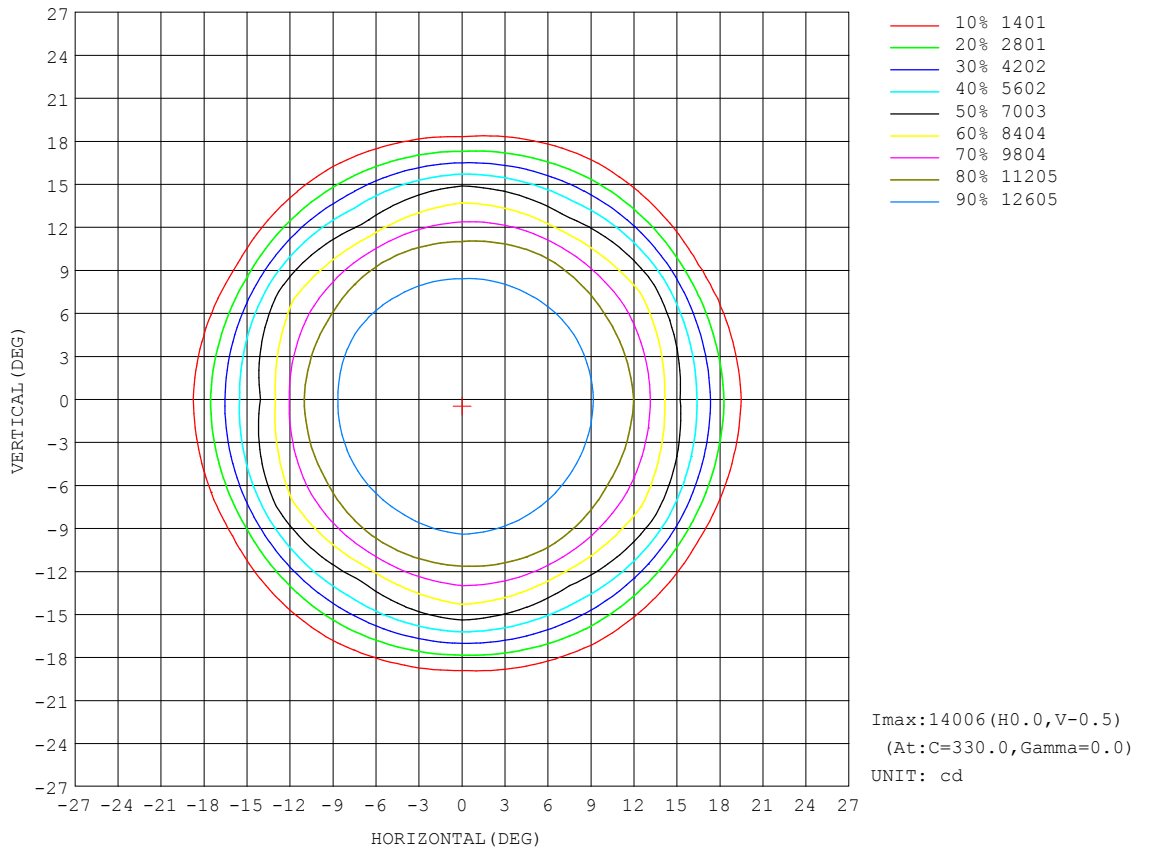
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Danny
Test Date: 2022-03-18

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		



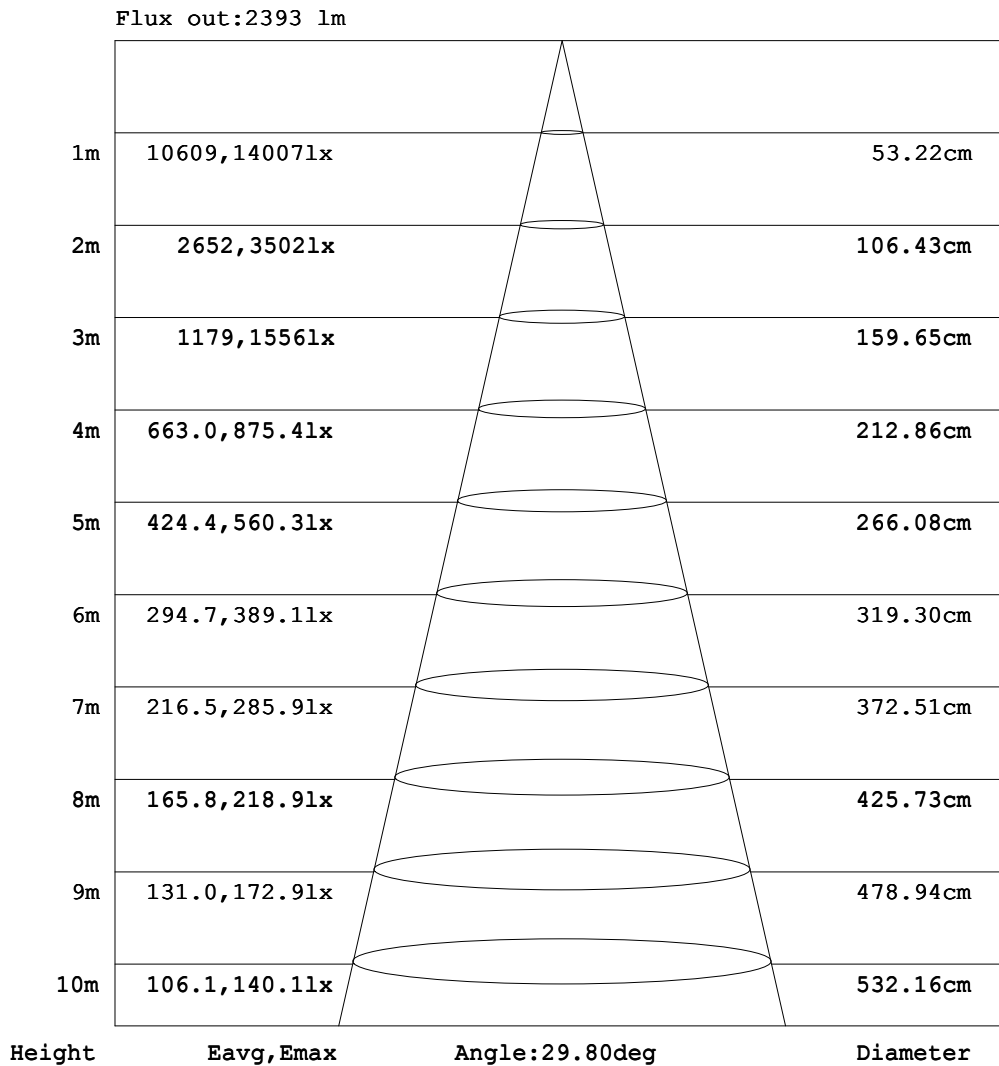
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Danny
Test Date: 2022-03-18

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.

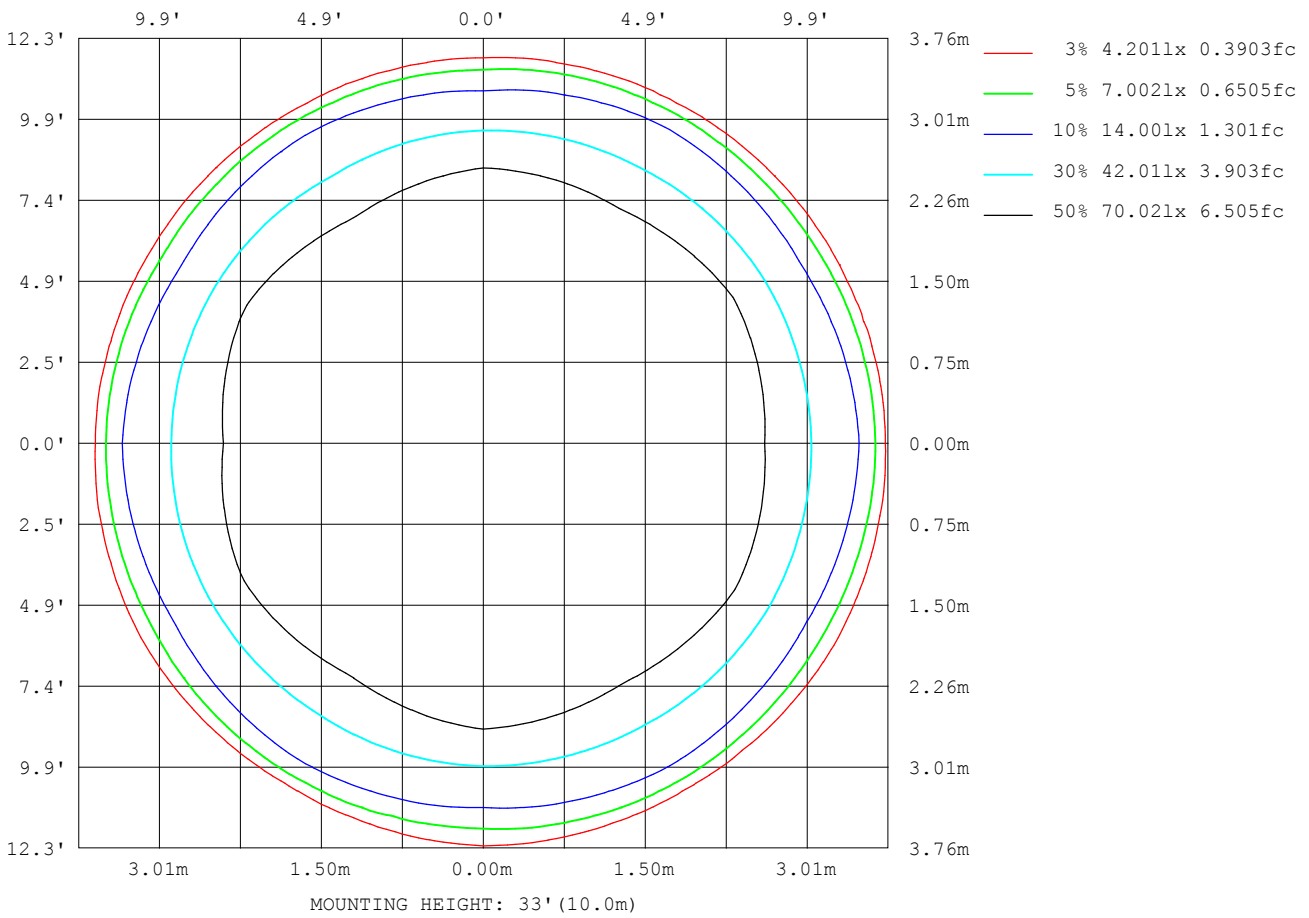
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Danny
 Test Date:2022-03-18

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	38
L_0~180 (75) av	19
L_0~180 (85) av	41
L_90~270 (65) av	72
L_90~270 (75) av	20
L_90~270 (85) av	38
L_45 (65) av	45
L_45 (75) av	19
L_45 (85) av	39

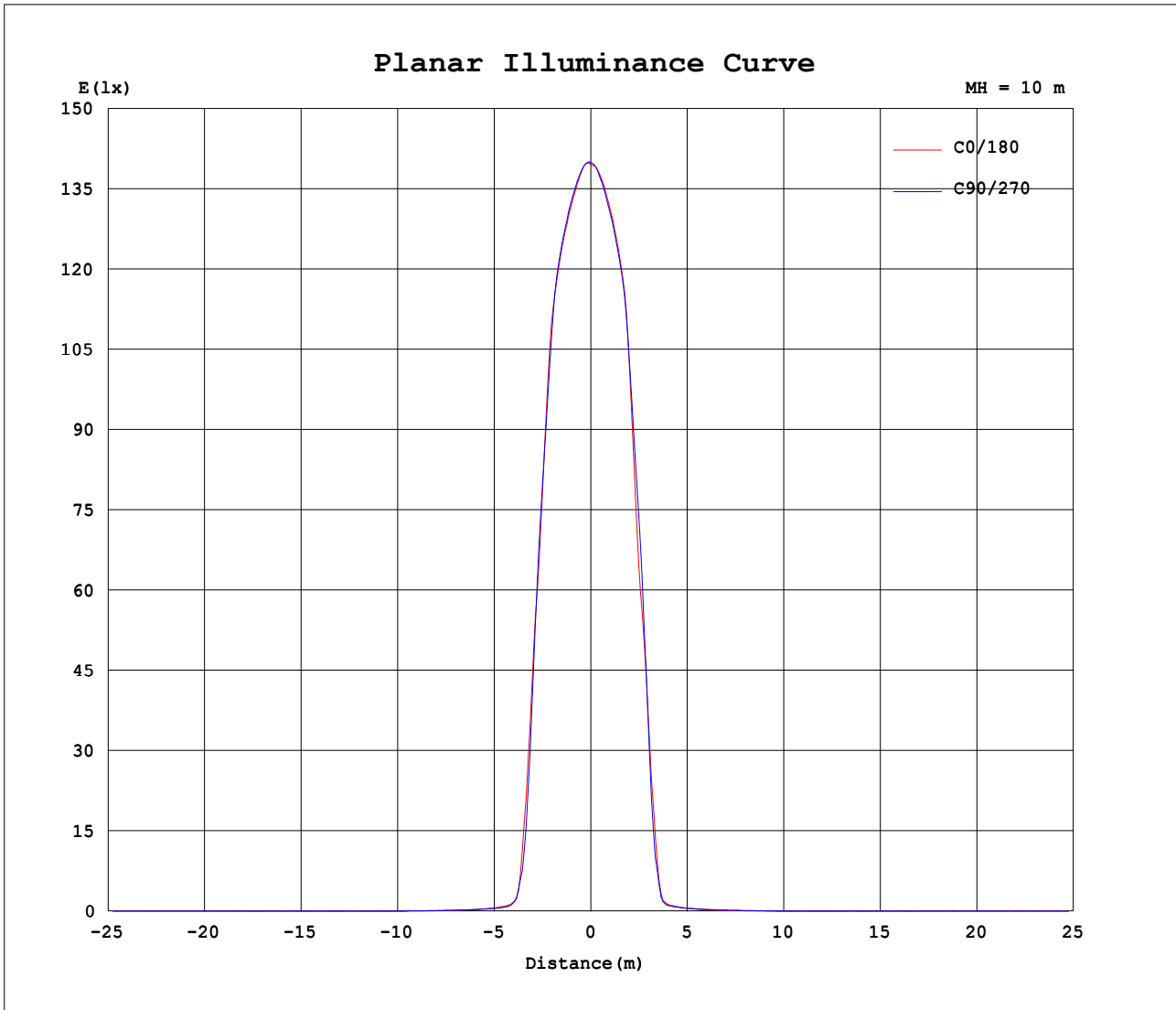
Standard: GB/T 29293-2012

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: x10cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	1399	1399	1400	1400	1399	1396	1395	1396	1398	1399	1399	1401							
5	1352	1353	1352	1359	1353	1348	1347	1346	1342	1339	1342	1353							
10	1232	1234	1238	1240	1224	1206	1208	1194	1203	1199	1213	1225							
15	726	798	697	761	642	691	614	671	591	681	657	785							
20	81.2	79.8	76.0	70.9	53.2	54.5	39.9	30.9	31.7	32.1	46.7	66.1							
25	11.1	9.33	10.5	8.74	10.2	8.93	10.0	8.88	10.4	9.23	10.9	9.43							
30	5.57	6.28	5.27	5.68	5.07	6.00	5.01	5.79	5.19	6.17	5.42	6.19							
35	3.31	4.32	3.22	3.84	3.08	3.91	3.05	3.80	3.12	4.14	3.24	4.16							
40	2.07	2.90	2.03	2.46	1.87	2.36	1.80	2.26	1.83	2.54	1.97	2.67							
45	1.11	1.54	1.10	1.27	0.99	1.23	0.94	1.17	0.97	1.31	1.04	1.33							
50	0.74	0.96	0.76	0.80	0.70	0.73	0.68	0.74	0.69	0.82	0.71	0.79							
55	0.52	0.59	0.53	0.52	0.46	0.49	0.42	0.49	0.44	0.55	0.48	0.51							
60	0.30	0.31	0.32	0.28	0.29	0.25	0.29	0.28	0.30	0.29	0.30	0.28							
65	0.25	0.32	0.20	0.32	0.08	0.28	0.08	0.21	0.08	0.29	0.10	0.30							
70	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07							
75	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.05	0.06	0.05							
80	0.05	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.05	0.05							
85	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04							
90	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02							

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: