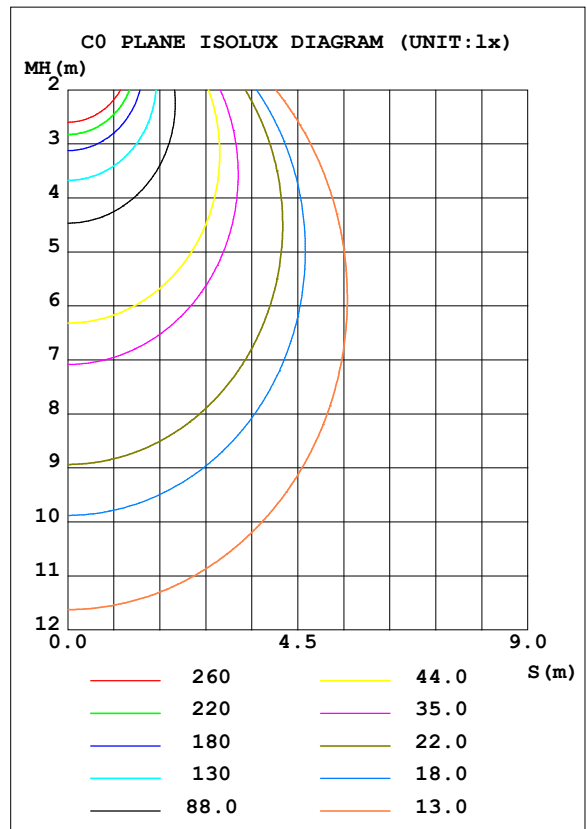
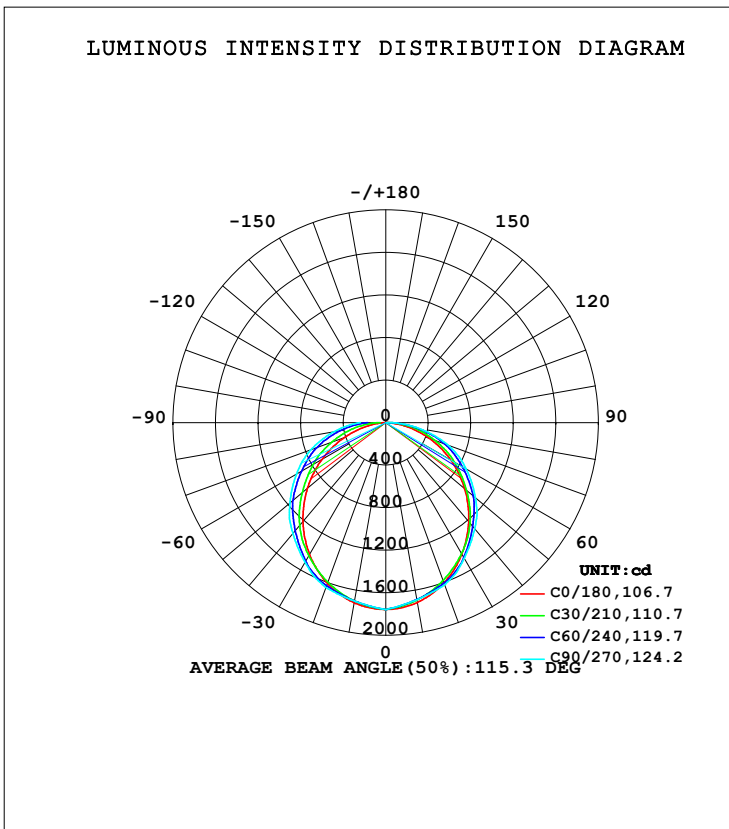


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.22V I:0.1461A P:39.637W PF:0.9789 Freq:49.99Hz		
Lamp Flux:5275.6x1 lm		
NAME: ASD-LSF7-4A40 5000K		
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.10 lm/W			
MODEL		I _{max} (cd)	1757	S/MH (C0/180)	1.22
NOMINAL POWER (W)	40	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	5275.6	η UP, DN (C0-180)	0.0, 48.1
NOMINAL FLUX (lm)	5275.6	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.9
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277	η down (%)	100.0	CIBSE SHR MAX	1.35



H(β) Range: -90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-09-12

V(B) Range: -90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 6.300m [K=1.0317]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1717	1689	1690	1691	1720	1701	1703	1698	0- 10	164.3	164.3	3.11,3.11
20	1603	1589	1622	1590	1608	1611	1649	1607	10- 20	467.8	632.1	12,12
30	1430	1453	1475	1451	1433	1484	1518	1478	20- 30	709.8	1342	25.4,25.4
40	1214	1249	1302	1243	1213	1291	1360	1284	30- 40	854.9	2197	41.6,41.6
50	969.1	1030	1102	1020	961.9	1084	1177	1076	40- 50	897.2	3094	58.6,58.6
60	707.8	792.4	874.4	776.5	694.1	858.1	970.3	851.0	50- 60	835.4	3930	74.5,74.5
70	438.0	544.8	627.0	522.7	417.7	622.4	750.8	617.0	60- 70	685.1	4615	87.5,87.5
80	175.7	279.6	318.8	264.2	152.5	370.0	494.3	376.8	70- 80	461.6	5076	96.2,96.2
90	6.987	9.322	10.53	9.458	6.273	112.8	237.8	138.4	80- 90	199.4	5276	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:cd									UNIT:lm		

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.300m [K=1.0317]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:277.22V I:0.1461A P:39.637W PF:0.9789 Freq:49.99Hz Lamp Flux:5275.6x1 lm										
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	12.7	14.3	13.0	14.5	14.7	13.7	15.3	14.0	15.5	15.7
3H	14.2	15.7	14.5	15.9	16.1	15.7	17.1	16.0	17.4	17.6
4H	14.8	16.2	15.1	16.4	16.7	16.5	17.9	16.9	18.2	18.4
6H	15.2	16.5	15.5	16.8	17.1	17.2	18.6	17.6	18.8	19.1
8H	15.3	16.6	15.6	16.8	17.1	17.5	18.8	17.9	19.1	19.4
12H	15.3	16.6	15.7	16.9	17.2	17.7	19.0	18.1	19.3	19.6
4H 2H	13.5	14.9	13.9	15.2	15.4	14.3	15.7	14.6	15.9	16.2
3H	15.2	16.4	15.6	16.7	17.1	16.5	17.7	16.8	18.0	18.3
4H	15.9	17.1	16.3	17.4	17.7	17.5	18.6	17.9	18.9	19.3
6H	16.5	17.5	16.9	17.8	18.2	18.4	19.4	18.8	19.7	20.1
8H	16.6	17.6	17.1	18.0	18.3	18.7	19.7	19.1	20.0	20.4
12H	16.7	17.6	17.2	18.0	18.4	19.0	19.9	19.4	20.2	20.7
8H 4H	16.4	17.4	16.9	17.8	18.1	17.8	18.7	18.2	19.1	19.5
6H	17.2	18.0	17.6	18.4	18.8	18.8	19.6	19.3	20.0	20.5
8H	17.5	18.2	17.9	18.6	19.1	19.3	20.0	19.8	20.4	20.9
12H	17.7	18.3	18.1	18.7	19.2	19.7	20.3	20.2	20.8	21.3
12H 4H	16.5	17.4	17.0	17.8	18.2	17.8	18.7	18.2	19.0	19.5
6H	17.4	18.1	17.8	18.5	18.9	18.9	19.6	19.4	20.0	20.5
8H	17.7	18.3	18.2	18.8	19.2	19.4	20.1	19.9	20.5	21.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

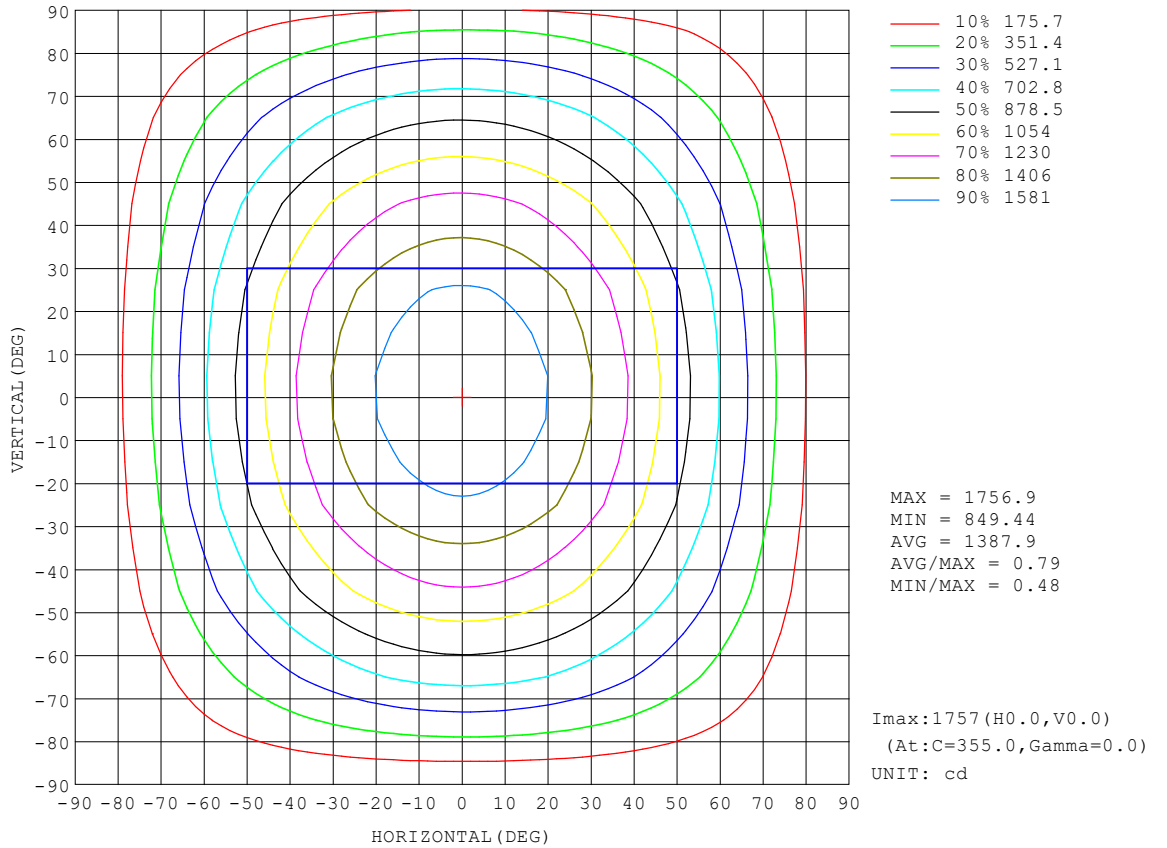
CIE Pub.117, 5276 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.8)
 Area: 0.262 m2

H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-09-12

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:6.300m [K=1.0317]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.22V I:0.1461A P:39.637W PF:0.9789 Freq:49.99Hz Lamp Flux:5275.6x1 lm		

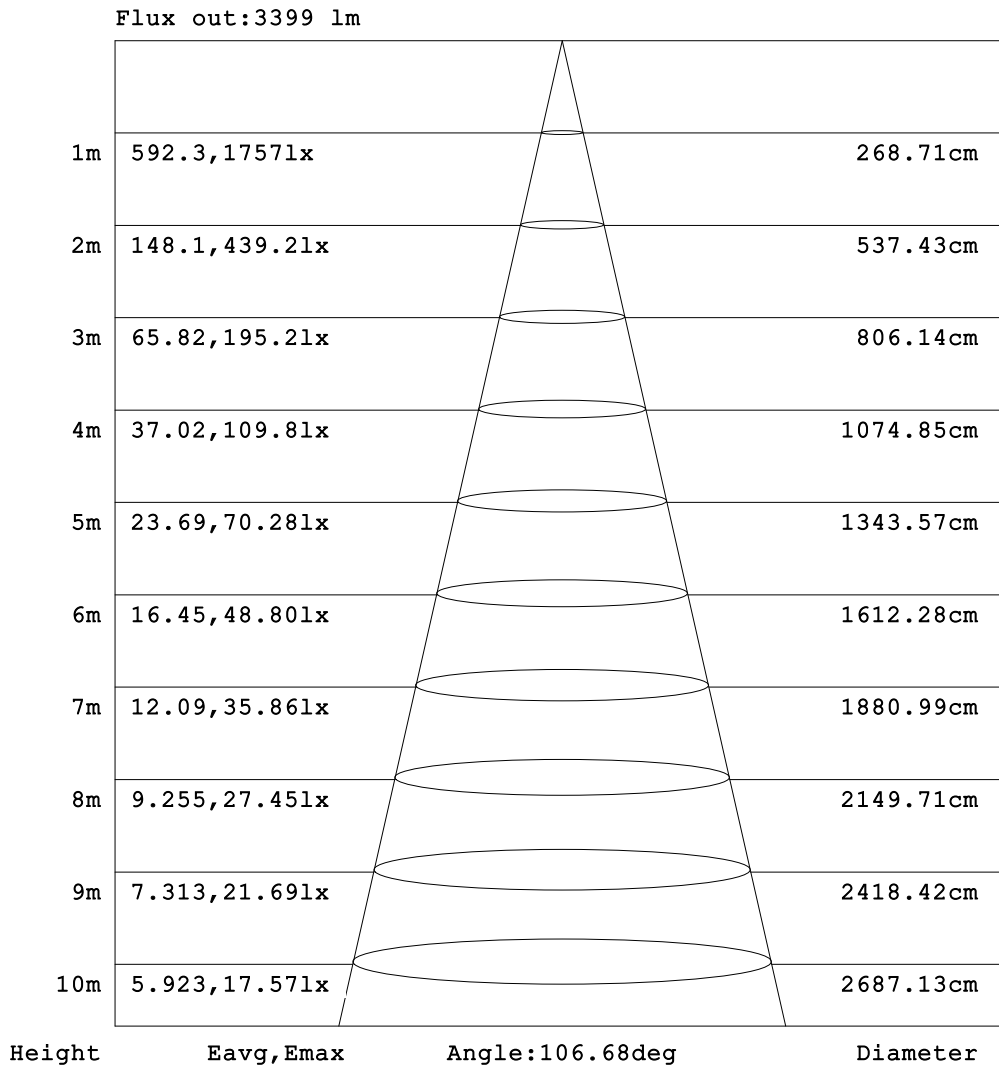


H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-09-12

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:6.300m [K=1.0317]
 Remarks:

AAI Figure

Test:U:277.22V I:0.1461A P:39.637W PF:0.9789 Freq:49.99Hz		
Lamp Flux:5275.6x1 lm		



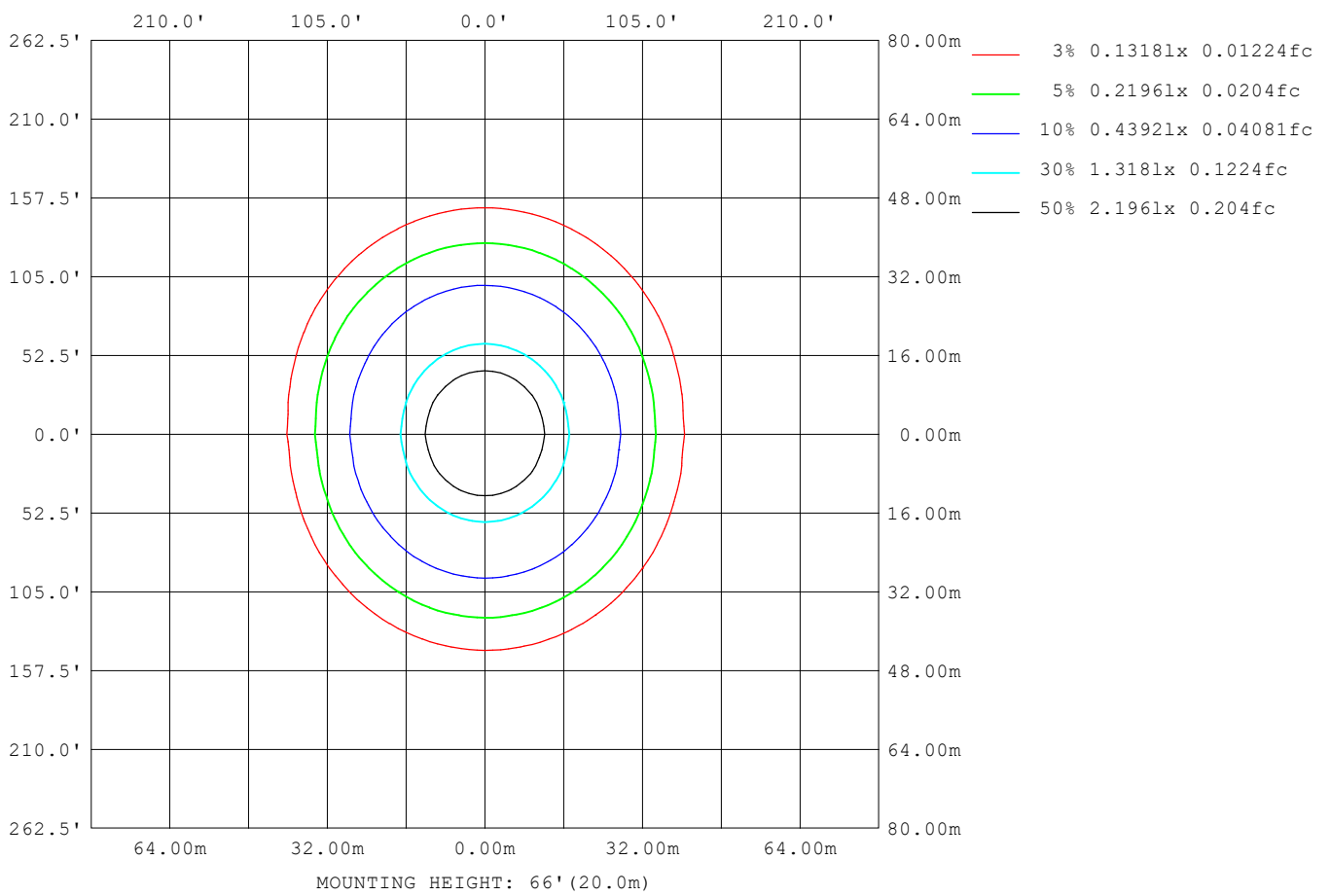
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.300m [K=1.0317]
Remarks:

ISOLUX DIAGRAM

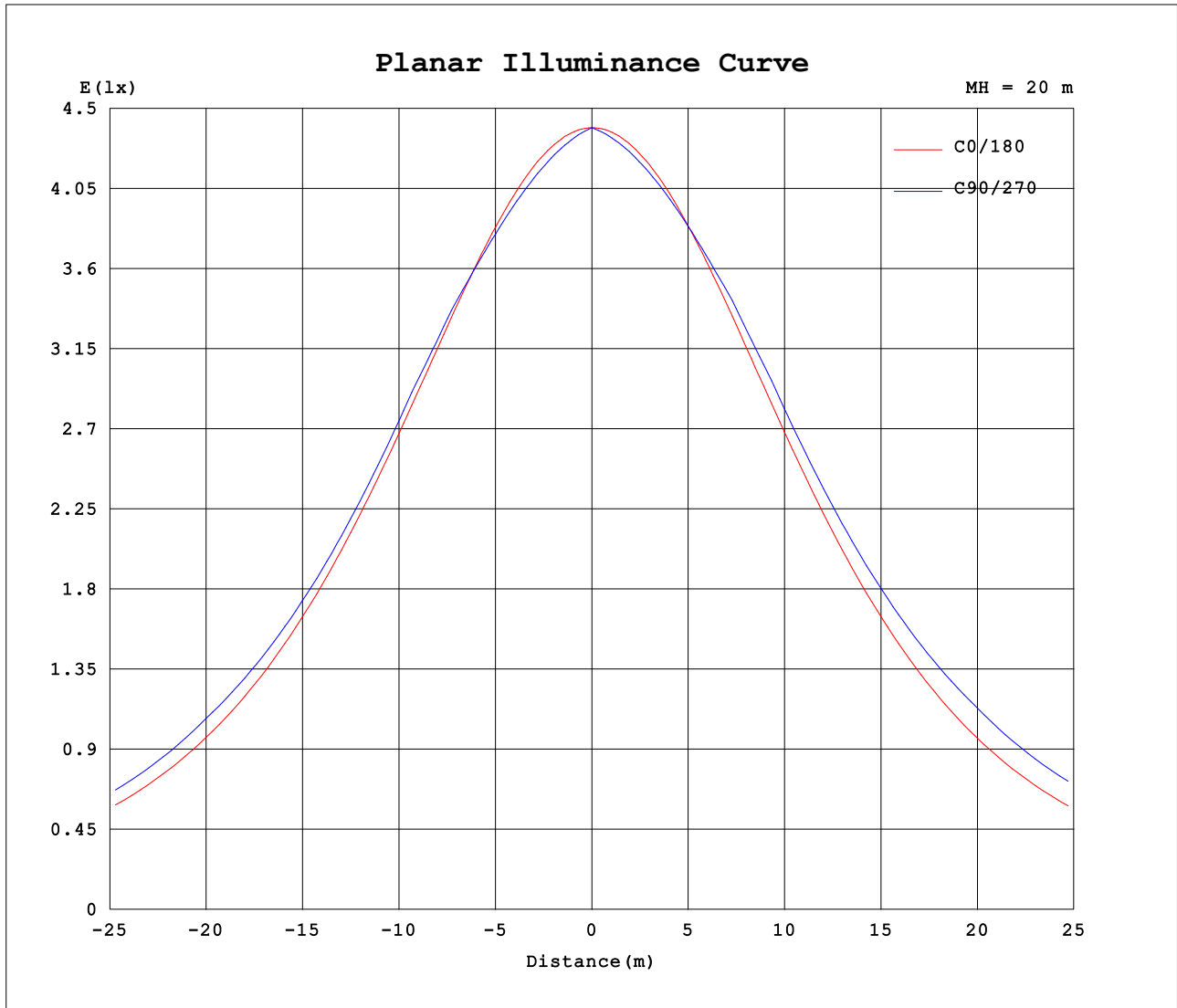
Test:U:277.22V I:0.1461A P:39.637W PF:0.9789 Freq:49.99Hz Lamp Flux:5275.6x1 lm		



H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.300m [K=1.0317]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.300m [K=1.0317]
Remarks:

