

Report No.:AX-MG-FL-DL-10W-220

Test Time: 2025-09-23 16:28

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 小

Luminous Width (mm): -20

Current: 0.094 A

Power Factor: 0.468

Luminous Length (mm): -220

Voltage: 230.6 V

Power: 10.10 W

Photometric Results

CIE Class: Direct

Measurement Flux: 835.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H81.4

Vertical Diffuse Angle(50%): V81.4

Luminaire Efficacy Rating (LER): 82.76

Max. Intensity: 477.86 cd

S/MH(C0/C180): 1.13

Total Rated Lamp Lumens: 835.4 lm

Efficiency: 100%

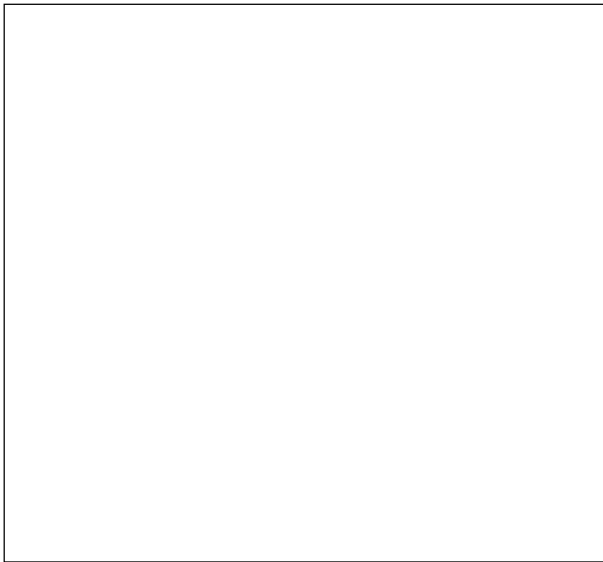
Upward Ratio: 0%

Central Intensity: 477.44 cd

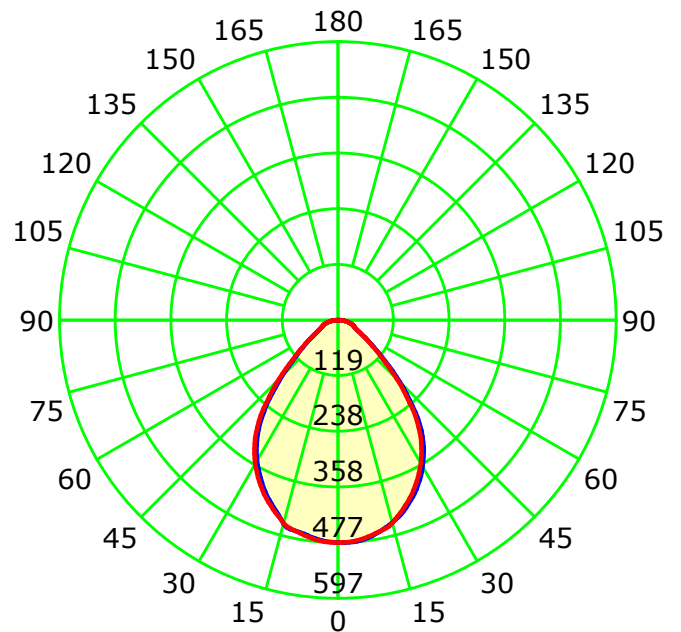
Pos of Max. Intensity: H0 V1

S/MH(C90/C270): 1.13

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

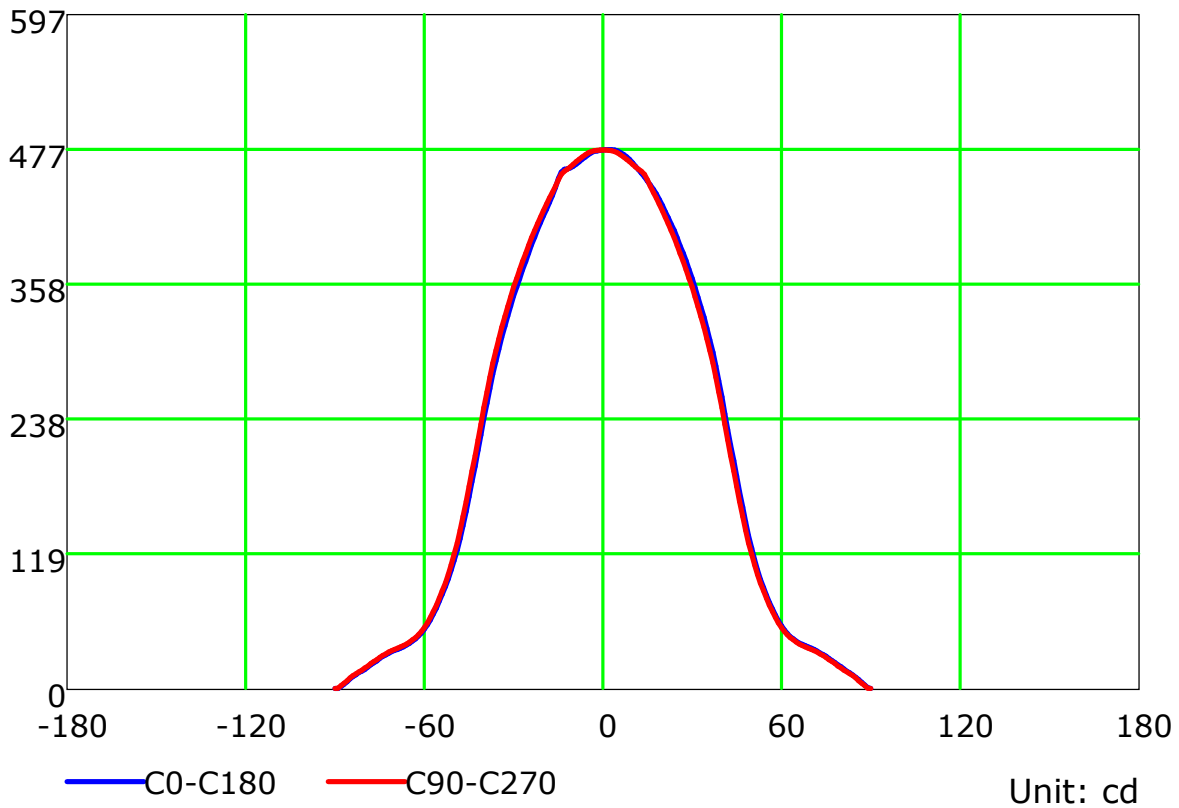
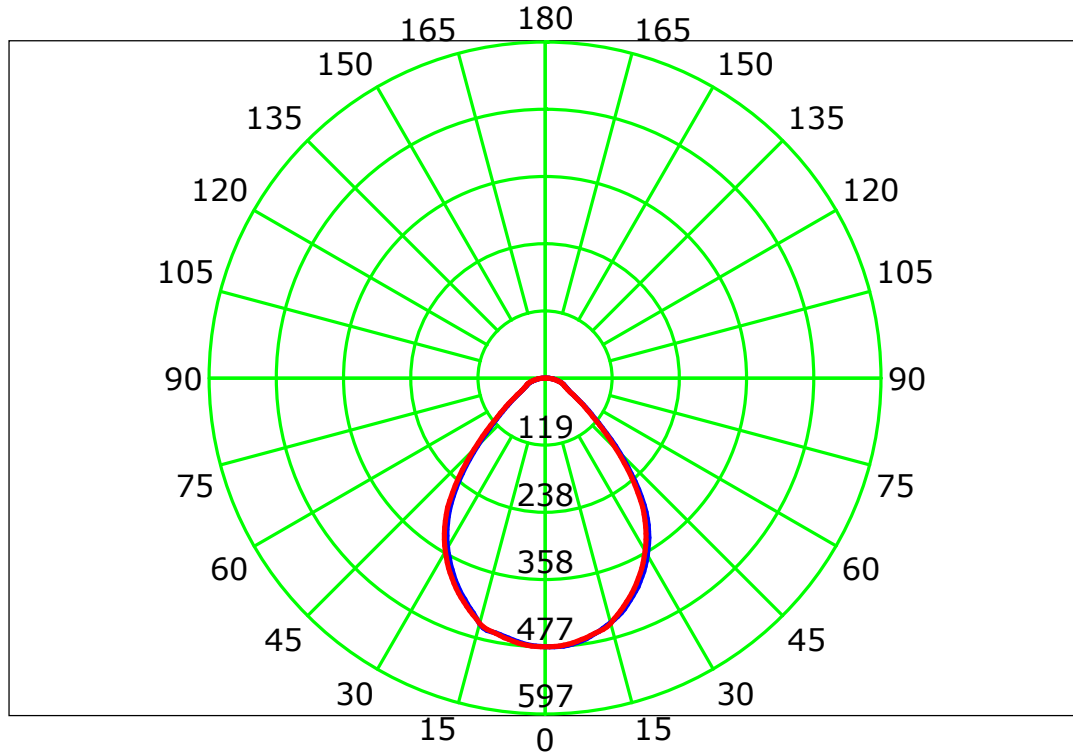
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

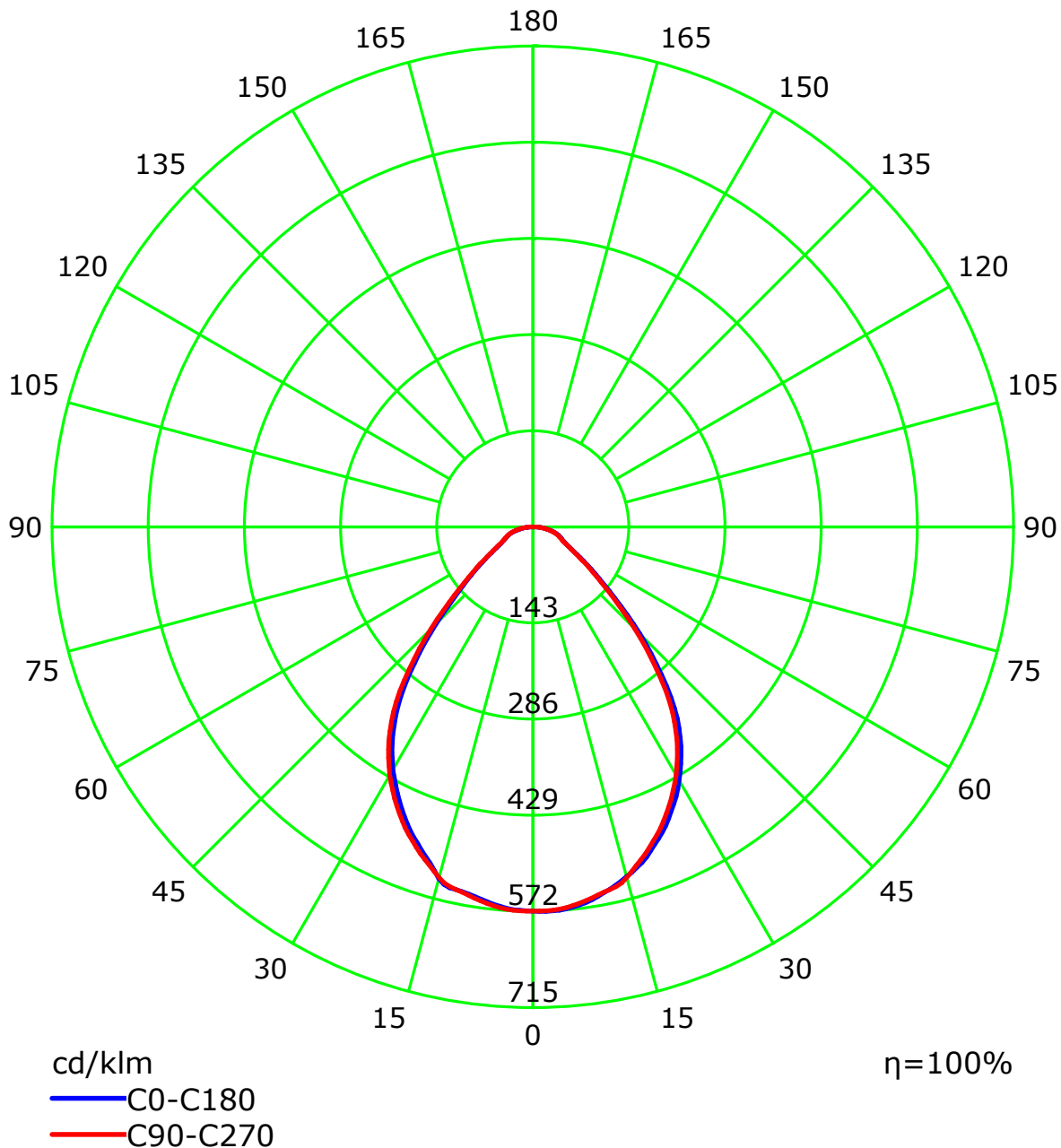
Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

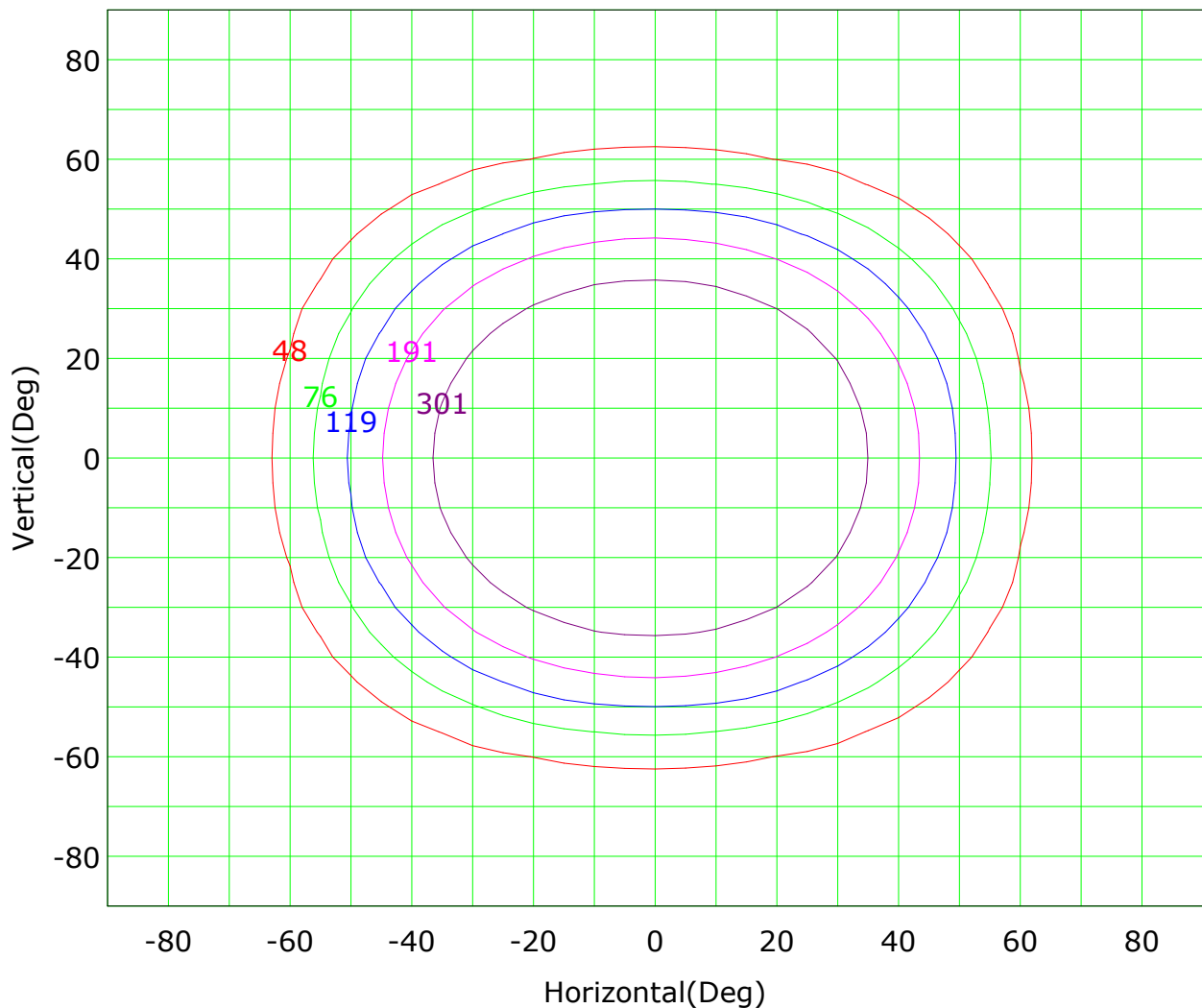
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 478 cd

(10%):	48 cd	(16%):	76 cd
(25%):	119 cd	(40%):	191 cd
(63%):	301 cd	(100%):	478 cd

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

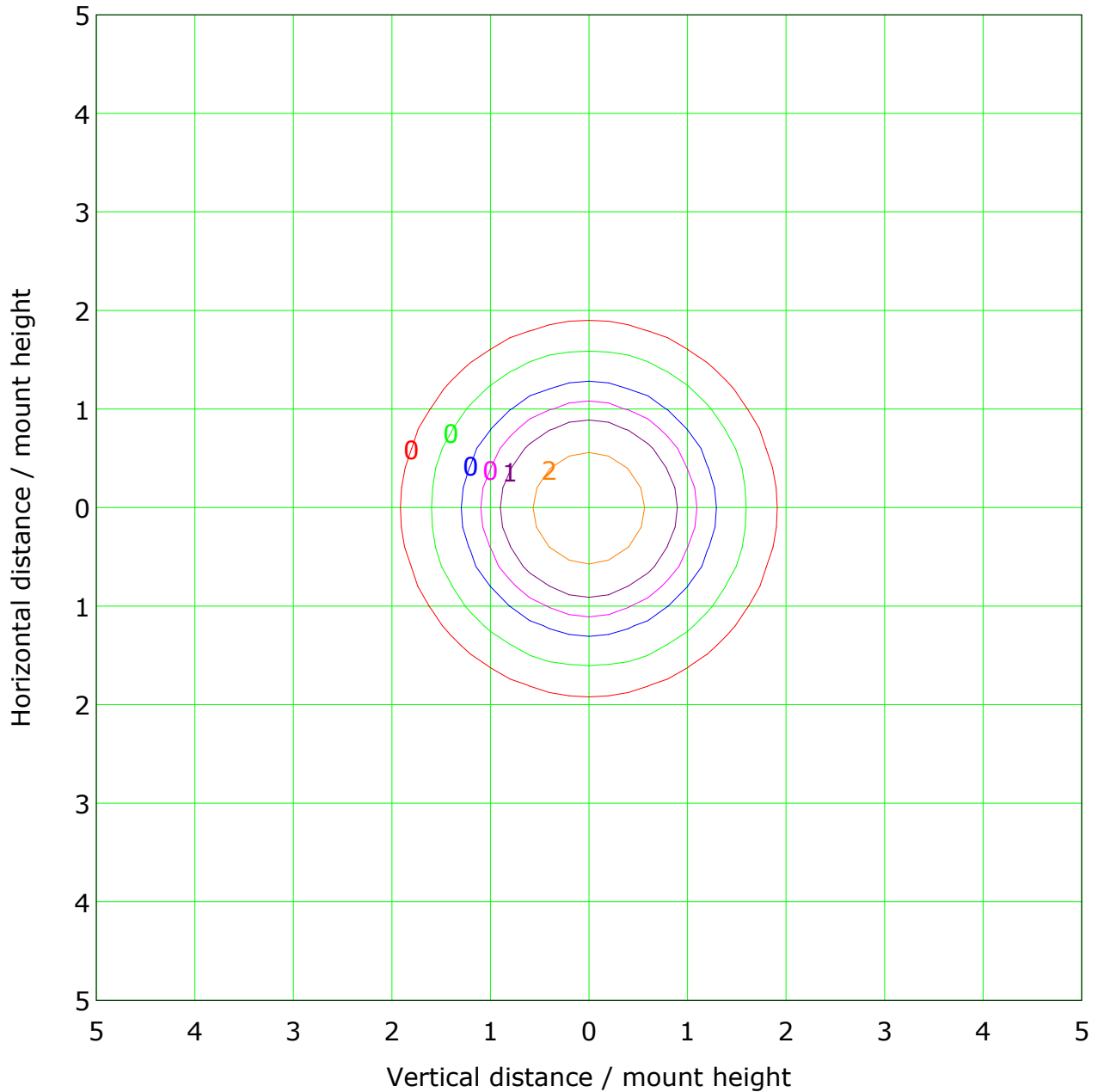
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 4.8 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.5 lx
(20%): 1.0 lx	(50%): 2.4 lx
(100%): 4.8 lx	

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

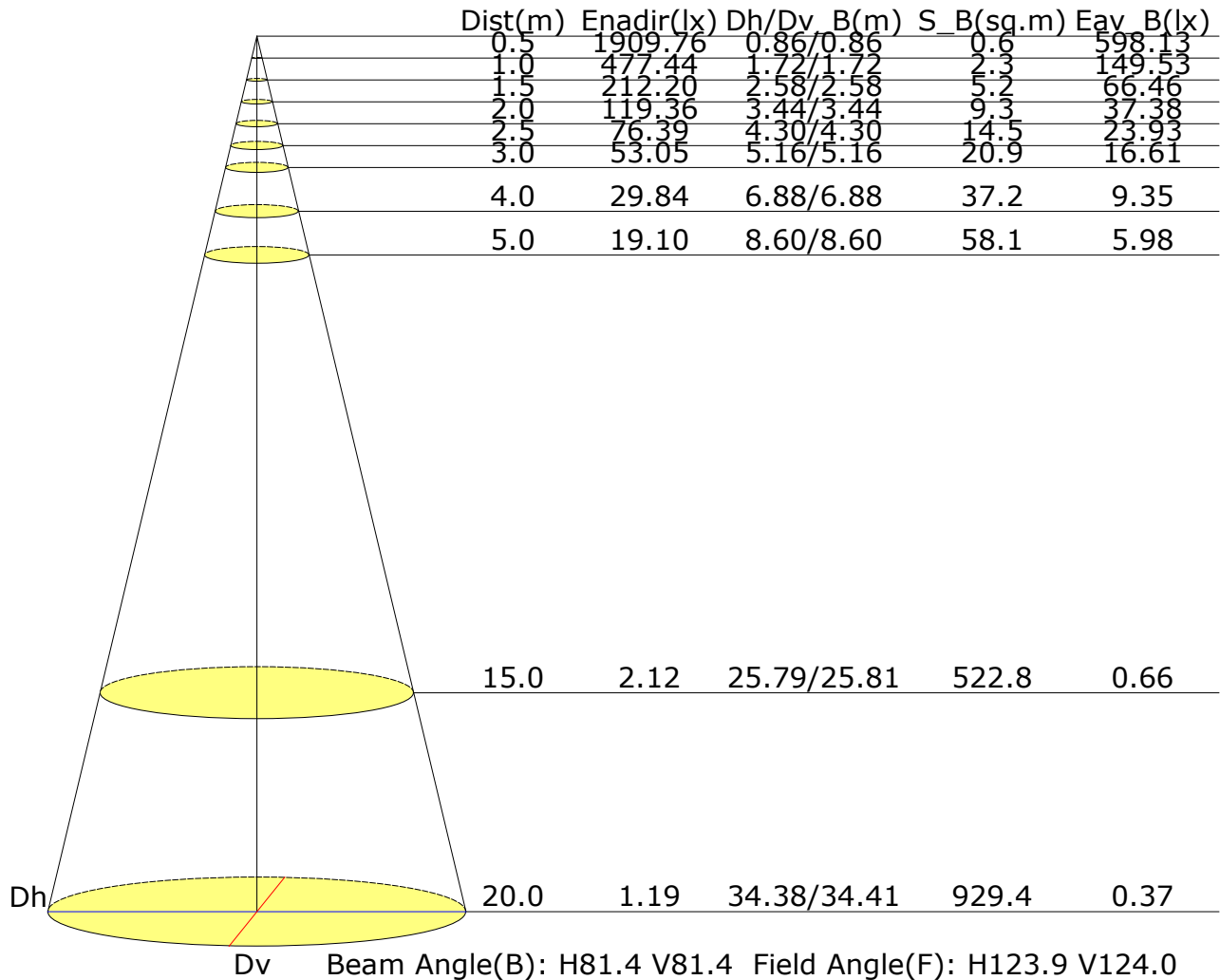
Test Device: CHL-6E

Distance: 2.905 m

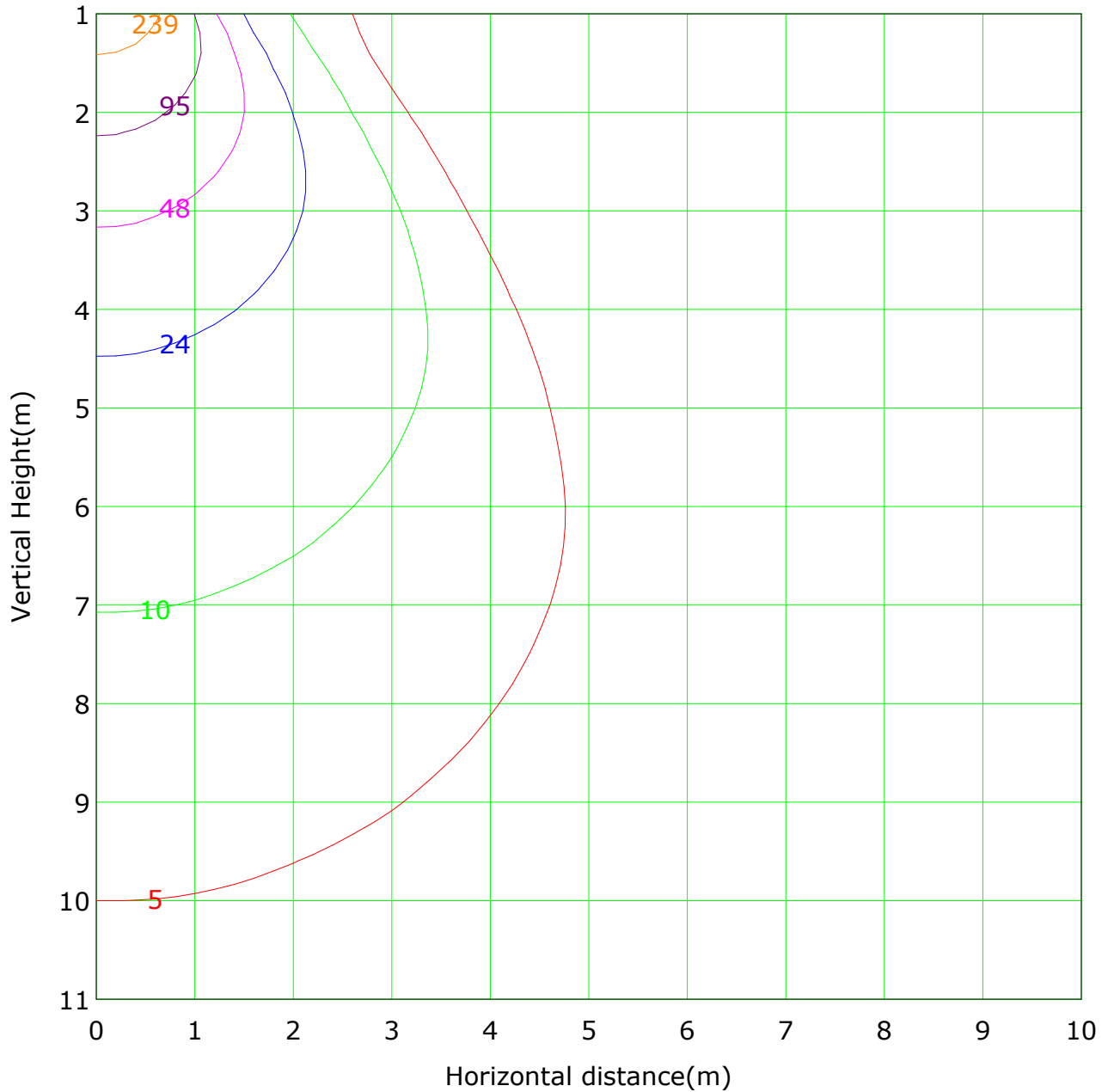
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 477.4 lx

— (1%): 4.8 lx	— (2%): 9.5 lx
— (5%): 23.9 lx	— (10%): 47.7 lx
— (20%): 95.5 lx	— (50%): 238.7 lx
— (100%): 477.4 lx	

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

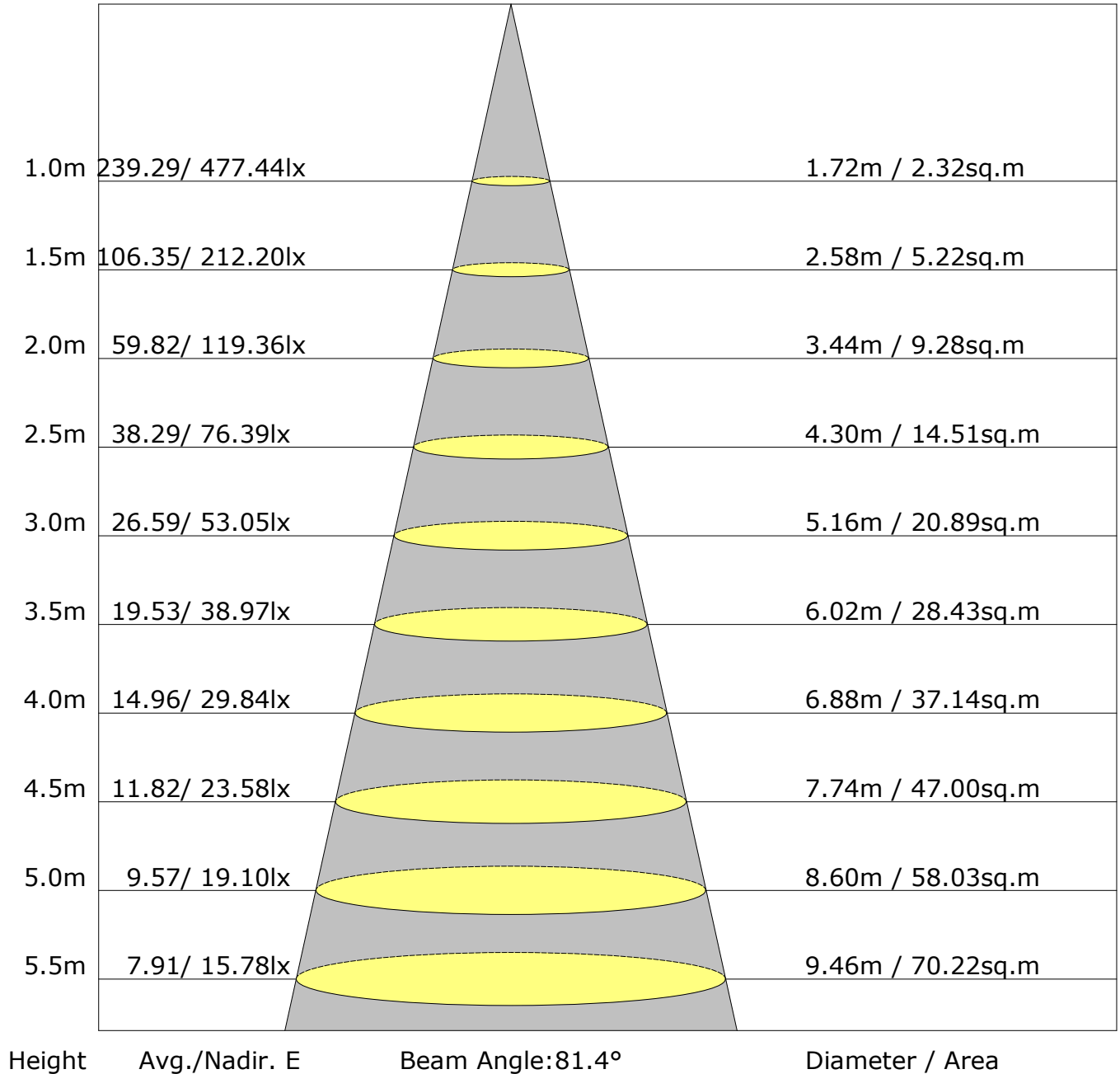
Area Flux Table

Unit: lm

		Vertical plane																				
Flux(E)	Flux(T)	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
		0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.3		
0	0.0	0.0	0.2	0.5	1.4	3.7	7.4	10.5	13.0	14.2	14.2	13.1	10.9	7.8	4.0	1.5	0.6	0.2	0.0	0.0	103.2	101.9
10	0.0	0.0	0.2	0.5	1.3	3.2	6.7	9.9	12.1	13.4	13.5	12.3	10.1	7.1	3.5	1.3	0.5	0.2	0.0	0.0	96.0	94.6
20	0.0	0.0	0.2	0.5	1.1	2.5	5.3	8.4	10.6	11.7	11.8	10.7	8.7	5.6	2.7	1.1	0.5	0.2	0.0	0.0	81.6	80.0
30	0.0	0.0	0.2	0.4	0.8	1.8	3.5	5.9	8.0	9.2	9.2	8.2	6.1	3.7	1.9	0.9	0.5	0.2	0.0	0.0	60.6	58.5
40	0.0	0.0	0.2	0.4	0.7	1.2	2.1	3.3	4.5	5.3	5.4	4.6	3.4	2.1	1.2	0.7	0.4	0.2	0.0	0.0	35.7	32.7
50	0.0	0.0	0.1	0.3	0.6	0.8	1.2	1.7	2.1	2.4	2.5	2.2	1.7	1.2	0.9	0.6	0.3	0.1	0.0	0.0	18.9	13.8
60	0.0	0.0	0.1	0.2	0.4	0.7	0.9	1.0	1.2	1.3	1.3	1.2	1.1	0.9	0.7	0.5	0.3	0.1	0.0	0.0	11.7	0.8
70	0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.0	0.0	7.5	0.0
80	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	2.4	0.0
90	0.3	2.4	6.2	13.2	28.9	55.5	83.2	105.2	117.3	117.8	106.6	85.8	58.4	30.9	13.9	6.6	2.7	0.4	835			
Flux(E)	0.0	0.0	0.3	8.1	24.3	51.2	79.0	101.0	113.2	113.6	102.4	81.6	54.1	26.3	8.9	0.5	0.0	0.0	0.0		765	
Horizontal plane																						
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)		

The Average Illuminance Effective Figure

Flux Out: 555.43lm



C Plane (°): 0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°): 0.0-90.0: 1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

UGR Table

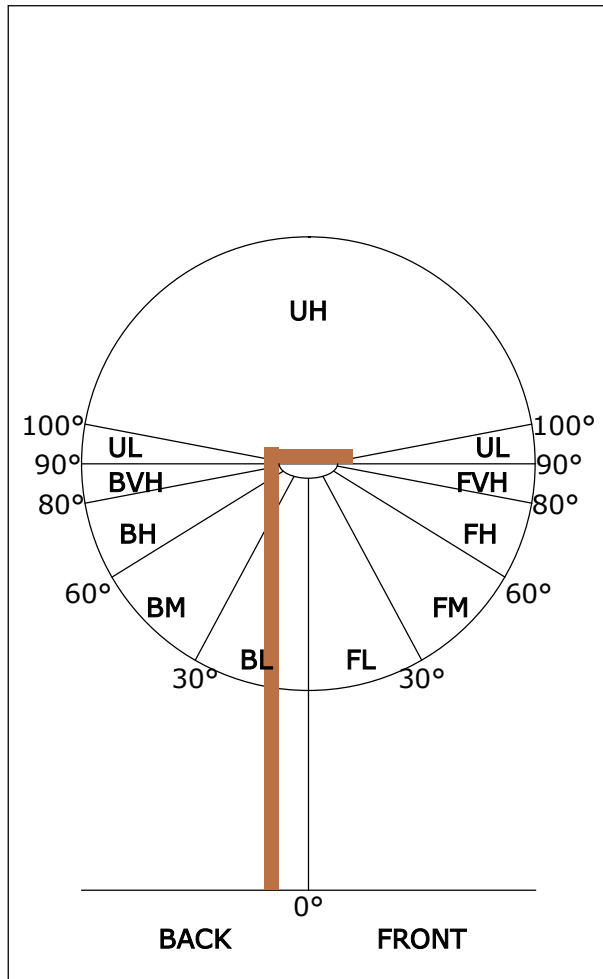
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	24.8	26.0	25.1	26.2	26.5	24.7	25.9	25.0	26.1	26.3
3H	25.5	26.6	25.8	26.8	27.1	25.4	26.4	25.7	26.7	27.0
4H	26.0	27.0	26.3	27.3	27.5	25.8	26.8	26.2	27.1	27.4
6H	26.4	27.3	26.8	27.6	28.0	26.3	27.2	26.6	27.5	27.8
8H	26.6	27.5	27.0	27.8	28.1	26.4	27.3	26.8	27.6	27.9
12H	26.7	27.6	27.1	27.9	28.3	26.6	27.4	26.9	27.7	28.1
X=4H Y=2H	25.0	26.0	25.4	26.3	26.6	24.9	25.9	25.2	26.2	26.5
3H	26.0	26.8	26.4	27.2	27.5	25.9	26.7	26.2	27.0	27.4
4H	26.6	27.4	27.0	27.7	28.1	26.5	27.3	26.9	27.6	28.0
6H	27.2	27.9	27.7	28.3	28.7	27.1	27.8	27.5	28.1	28.5
8H	27.5	28.1	27.9	28.5	28.9	27.3	27.9	27.8	28.3	28.8
12H	27.7	28.3	28.2	28.7	29.1	27.5	28.1	28.0	28.5	28.9
X=8H Y=4H	26.9	27.5	27.3	27.9	28.3	26.8	27.4	27.2	27.8	28.2
6H	27.7	28.1	28.1	28.6	29.0	27.5	28.0	28.0	28.4	28.9
8H	28.0	28.4	28.5	28.9	29.4	27.9	28.3	28.3	28.7	29.2
12H	28.3	28.7	28.8	29.2	29.7	28.2	28.5	28.7	29.0	29.5
X=12H Y=4H	26.9	27.4	27.3	27.9	28.3	26.8	27.3	27.2	27.8	28.2
6H	27.7	28.2	28.2	28.6	29.1	27.6	28.0	28.1	28.5	29.0
8H	28.1	28.5	28.6	29.0	29.5	28.0	28.4	28.5	28.8	29.3
Variations with the observer position at spacings:										
S=1.0H	+0.5/-0.7					+0.5/-0.7				
S=1.5H	+1.1/-1.3					+1.0/-1.3				
S=2.0H	+2.1/-1.7					+2.0/-1.7				

Calculate in accordance with CIE Pub.117. The table is revised with 835lm ($8\log(F/F_0) = -0.6$).

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	423	50.6
FL (0°-30°)	177	21.2
FM (30°-60°)	205	24.6
FH (60°-80°)	36	4.3
FVH (80°-90°)	5	0.6
BACK LIGHT	412	49.4
BL (0°-30°)	175	20.9
BM (30°-60°)	198	23.7
BH (60°-80°)	35	4.2
BVH (80°-90°)	5	0.6
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U0 G0

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	477.4	0.5	0.5	0.05	0.05
1.0-2.0	477.3	1.4	1.8	0.16	0.22
2.0-3.0	477.1	2.3	4.1	0.27	0.49
3.0-4.0	476.5	3.2	7.3	0.38	0.87
4.0-5.0	475.4	4.1	11.4	0.49	1.36
5.0-6.0	474.0	5.0	16.4	0.60	1.96
6.0-7.0	472.2	5.9	22.2	0.70	2.66
7.0-8.0	470.2	6.7	29.0	0.81	3.47
8.0-9.0	468.2	7.6	36.6	0.91	4.38
9.0-10.0	465.9	8.4	45.0	1.01	5.39
10.0-11.0	463.5	9.3	54.2	1.11	6.49
11.0-12.0	461.4	10.1	64.3	1.21	7.70
12.0-13.0	459.6	10.9	75.2	1.31	9.01
13.0-14.0	457.2	11.7	86.9	1.40	10.41
14.0-15.0	453.5	12.5	99.4	1.49	11.90
15.0-16.0	448.2	13.1	112.5	1.57	13.47
16.0-17.0	442.5	13.8	126.3	1.65	15.12
17.0-18.0	437.3	14.4	140.7	1.73	16.85
18.0-19.0	432.1	15.0	155.8	1.80	18.65
19.0-20.0	426.5	15.6	171.4	1.87	20.52
20.0-21.0	420.7	16.2	187.5	1.93	22.45
21.0-22.0	415.1	16.7	204.2	2.00	24.45
22.0-23.0	409.2	17.2	221.4	2.06	26.50
23.0-24.0	403.0	17.6	239.0	2.11	28.61
24.0-25.0	396.3	18.0	257.0	2.16	30.77
25.0-26.0	389.3	18.4	275.4	2.20	32.97
26.0-27.0	382.2	18.7	294.1	2.24	35.21
27.0-28.0	375.0	19.0	313.1	2.27	37.48
28.0-29.0	367.5	19.2	332.3	2.30	39.78
29.0-30.0	359.8	19.4	351.8	2.33	42.11
30.0-31.0	351.6	19.6	371.3	2.34	44.45
31.0-32.0	343.0	19.7	391.0	2.35	46.80
32.0-33.0	334.3	19.7	410.7	2.36	49.16
33.0-34.0	325.0	19.7	430.4	2.36	51.52
34.0-35.0	315.2	19.6	449.9	2.34	53.86
35.0-36.0	304.9	19.4	469.4	2.32	56.18

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	294.1	19.2	488.5	2.30	58.48
37.0-38.0	282.2	18.8	507.4	2.26	60.74
38.0-39.0	269.5	18.4	525.8	2.20	62.94
39.0-40.0	256.0	17.9	543.6	2.14	65.08
40.0-41.0	241.7	17.2	560.8	2.06	67.14
41.0-42.0	227.4	16.5	577.4	1.98	69.11
42.0-43.0	213.4	15.8	593.2	1.89	71.01
43.0-44.0	199.7	15.1	608.2	1.80	72.81
44.0-45.0	186.0	14.3	622.5	1.71	74.52
45.0-46.0	172.4	13.5	636.0	1.61	76.14
46.0-47.0	159.1	12.7	648.7	1.52	77.65
47.0-48.0	146.4	11.8	660.5	1.42	79.07
48.0-49.0	134.7	11.1	671.6	1.32	80.39
49.0-50.0	124.0	10.3	681.9	1.24	81.63
50.0-51.0	114.3	9.7	691.6	1.16	82.79
51.0-52.0	105.4	9.0	700.6	1.08	83.87
52.0-53.0	97.4	8.5	709.1	1.01	84.89
53.0-54.0	90.1	7.9	717.1	0.95	85.84
54.0-55.0	83.4	7.4	724.5	0.89	86.73
55.0-56.0	77.1	7.0	731.5	0.83	87.56
56.0-57.0	71.1	6.5	738.0	0.78	88.34
57.0-58.0	65.6	6.1	744.0	0.73	89.07
58.0-59.0	60.7	5.7	749.7	0.68	89.75
59.0-60.0	56.3	5.3	755.0	0.64	90.38
60.0-61.0	52.4	5.0	760.0	0.60	90.98
61.0-62.0	49.2	4.7	764.8	0.57	91.55
62.0-63.0	46.4	4.5	769.3	0.54	92.09
63.0-64.0	44.2	4.3	773.6	0.52	92.61
64.0-65.0	42.2	4.2	777.8	0.50	93.11
65.0-66.0	40.5	4.0	781.8	0.48	93.59
66.0-67.0	38.9	3.9	785.7	0.47	94.06
67.0-68.0	37.6	3.8	789.6	0.46	94.51
68.0-69.0	36.5	3.7	793.3	0.45	94.96
69.0-70.0	35.4	3.6	796.9	0.44	95.40
70.0-71.0	34.3	3.5	800.5	0.42	95.82
71.0-72.0	33.0	3.4	803.9	0.41	96.23

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	477.4	477.4								
G1.0	477.9	477.0								
G2.0	477.9	476.6								
G3.0	477.7	476.2								
G4.0	477.4	474.8								
G5.0	476.5	473.1								
G6.0	475.1	471.3								
G7.0	473.4	469.2								
G8.0	471.4	467.0								
G9.0	469.3	465.0								
G10.0	466.1	463.0								
G11.0	463.0	461.6								
G12.0	460.2	460.8								
G13.0	457.0	460.4								
G14.0	453.7	457.9								
G15.0	450.0	452.3								
G16.0	446.4	444.3								
G17.0	442.6	436.9								
G18.0	438.6	431.0								
G19.0	433.8	425.0								
G20.0	428.2	418.8								
G21.0	422.8	413.1								
G22.0	417.5	407.0								
G23.0	412.0	400.4								
G24.0	406.1	393.4								
G25.0	399.7	386.1								
G26.0	392.7	378.7								
G27.0	386.1	371.3								
G28.0	379.3	363.3								
G29.0	371.6	355.9								
G30.0	363.7	348.1								
G31.0	355.4	339.3								
G32.0	347.0	330.5								
G33.0	338.4	321.2								
G34.0	329.2	311.3								
G35.0	319.4	300.8								
G36.0	309.1	290.3								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	298.2	278.7								
G38.0	286.0	266.0								
G39.0	273.0	253.0								
G40.0	258.6	239.3								
G41.0	243.8	225.0								
G42.0	229.5	211.2								
G43.0	215.9	197.2								
G44.0	202.1	183.5								
G45.0	188.2	170.1								
G46.0	174.4	157.1								
G47.0	160.7	144.3								
G48.0	147.7	132.9								
G49.0	135.5	122.7								
G50.0	124.5	113.4								
G51.0	114.1	105.2								
G52.0	105.2	97.3								
G53.0	96.9	90.3								
G54.0	89.5	83.6								
G55.0	82.8	77.5								
G56.0	76.5	71.5								
G57.0	70.5	66.0								
G58.0	65.0	61.0								
G59.0	60.3	56.6								
G60.0	55.8	52.6								
G61.0	52.0	49.2								
G62.0	48.8	46.6								
G63.0	46.2	44.2								
G64.0	44.0	42.2								
G65.0	42.2	40.3								
G66.0	40.6	38.7								
G67.0	39.2	37.1								
G68.0	38.2	35.9								
G69.0	37.1	34.7								
G70.0	35.9	33.8								
G71.0	34.7	32.7								
G72.0	33.4	31.3								
G73.0	31.8	30.1								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

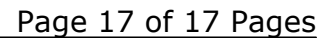
Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:



Unit: cd

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector: