

Report No.:

Test Time: 2026-09-28 19:02

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 24D

Luminous Length (mm): -52

Voltage: 229.7 V

Power: 13.70 W

Lamp Description: BLX V6HD F90 3000K

Luminous Width (mm): -52

Current: 0.063 A

Power Factor: 0.939

Photometric Results

CIE Class: Direct

Measurement Flux: 1050 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H24.7

Vertical Diffuse Angle(50%): V24.7

Luminaire Efficacy Rating (LER): 76.69

Max. Intensity: 5319 cd

S/MH(C0/C180): 0.42

Total Rated Lamp Lumens: 1050.0 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 5278.3 cd

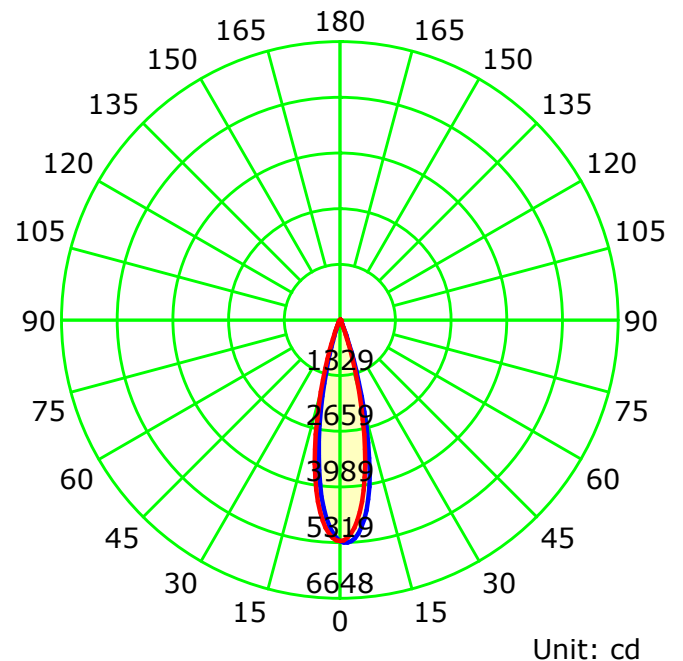
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 0.42

Picture Of Luminaire



Luminous Intensity Distribution Curve



— 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

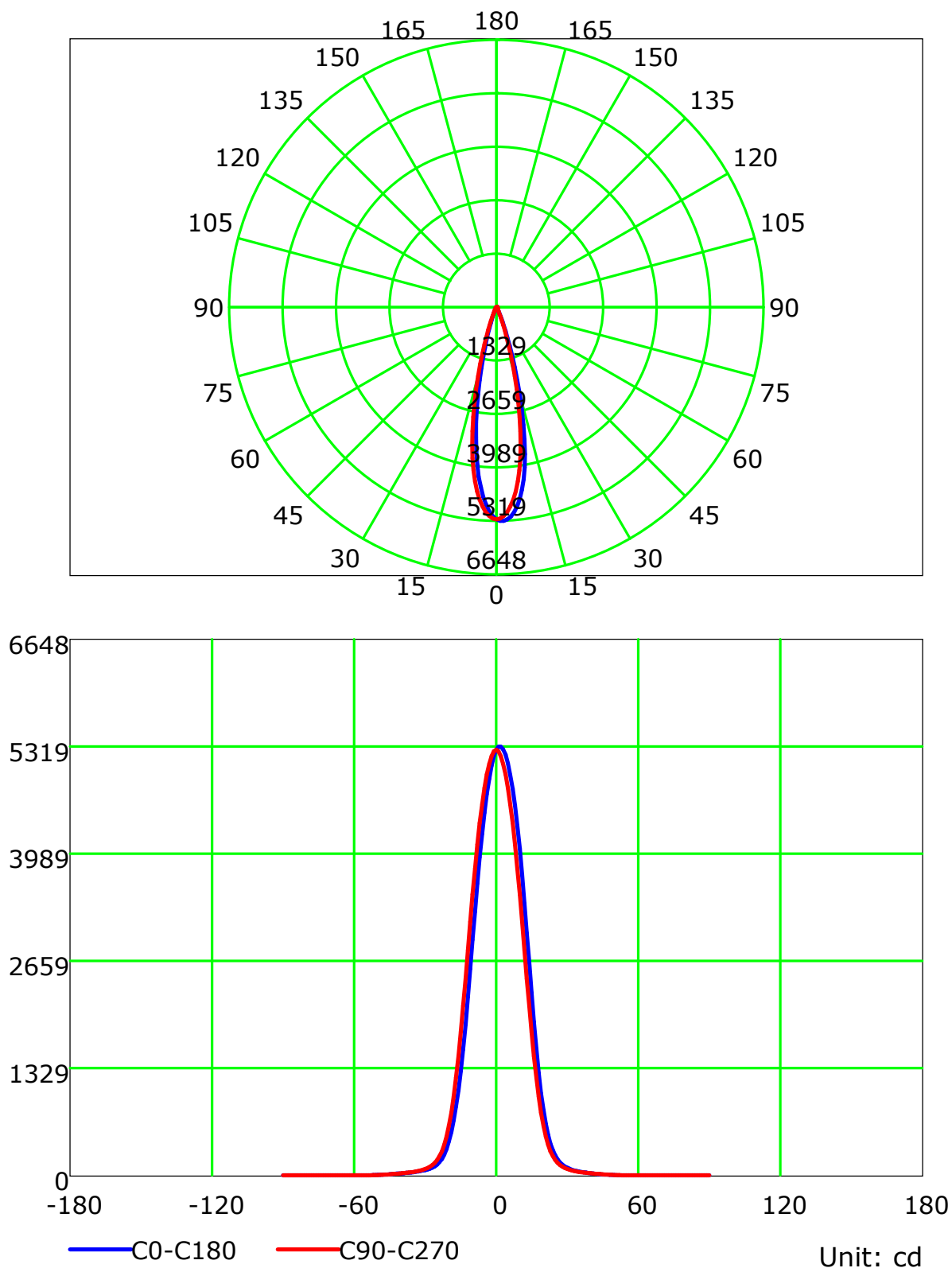
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

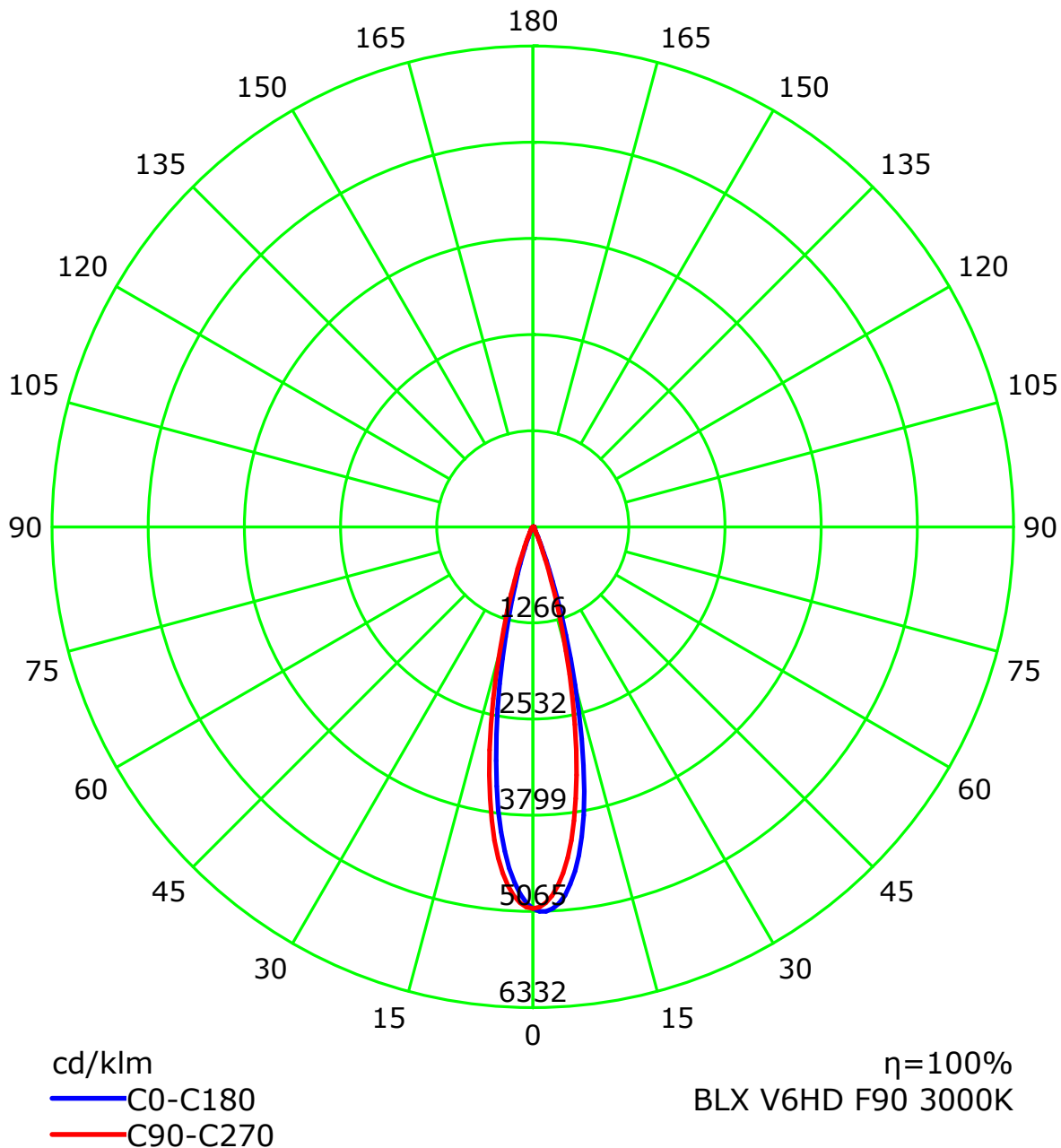
Luminous Intensity Distribution Curve



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: 3.010 m
Humidity:
Inspector:

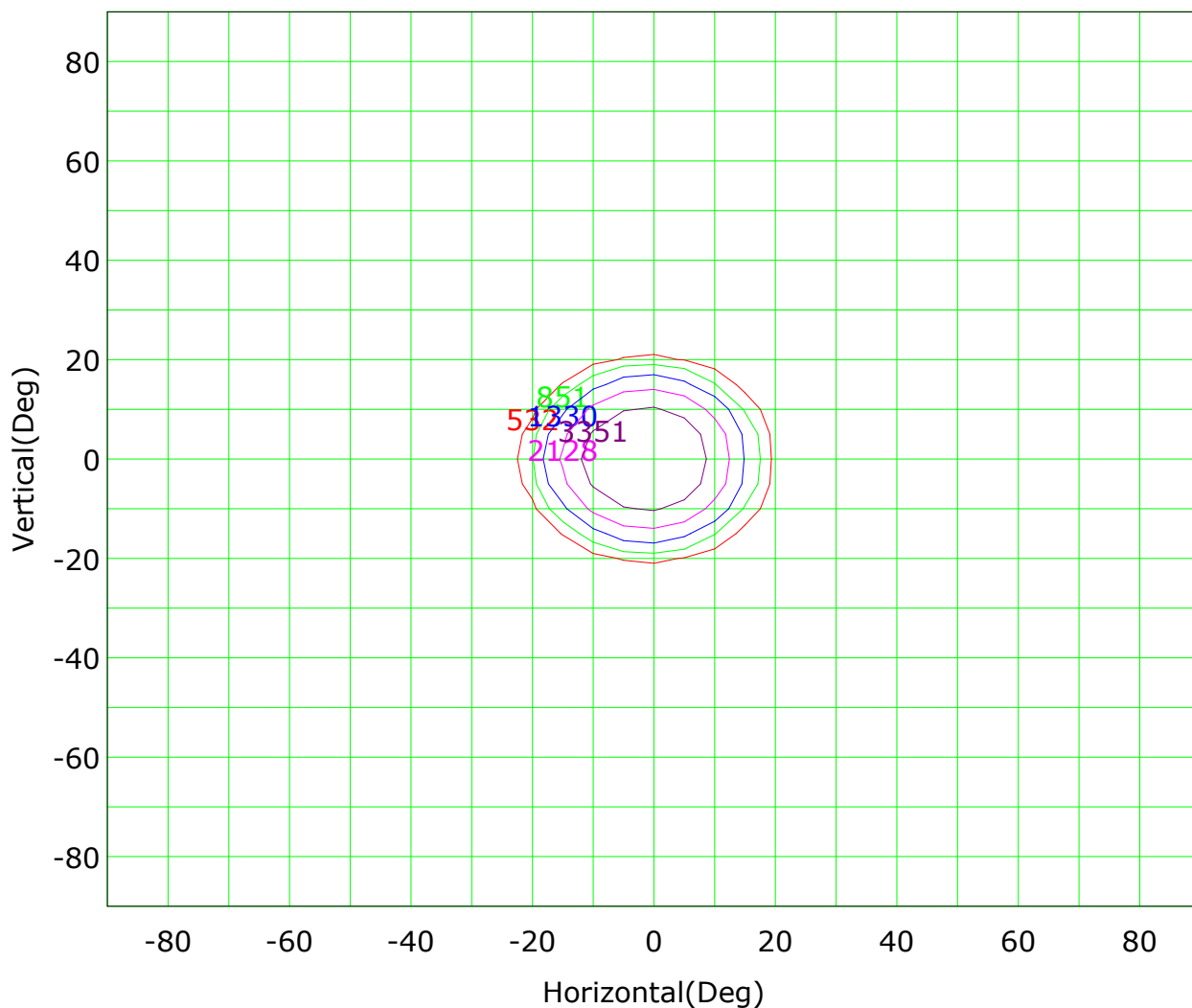
Luminous Intensity Distribution Curve(cd/klm)



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: 3.010 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 5319 cd

(10%): 532 cd	(16%): 851 cd
(25%): 1330 cd	(40%): 2128 cd
(63%): 3351 cd	(100%): 5319 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

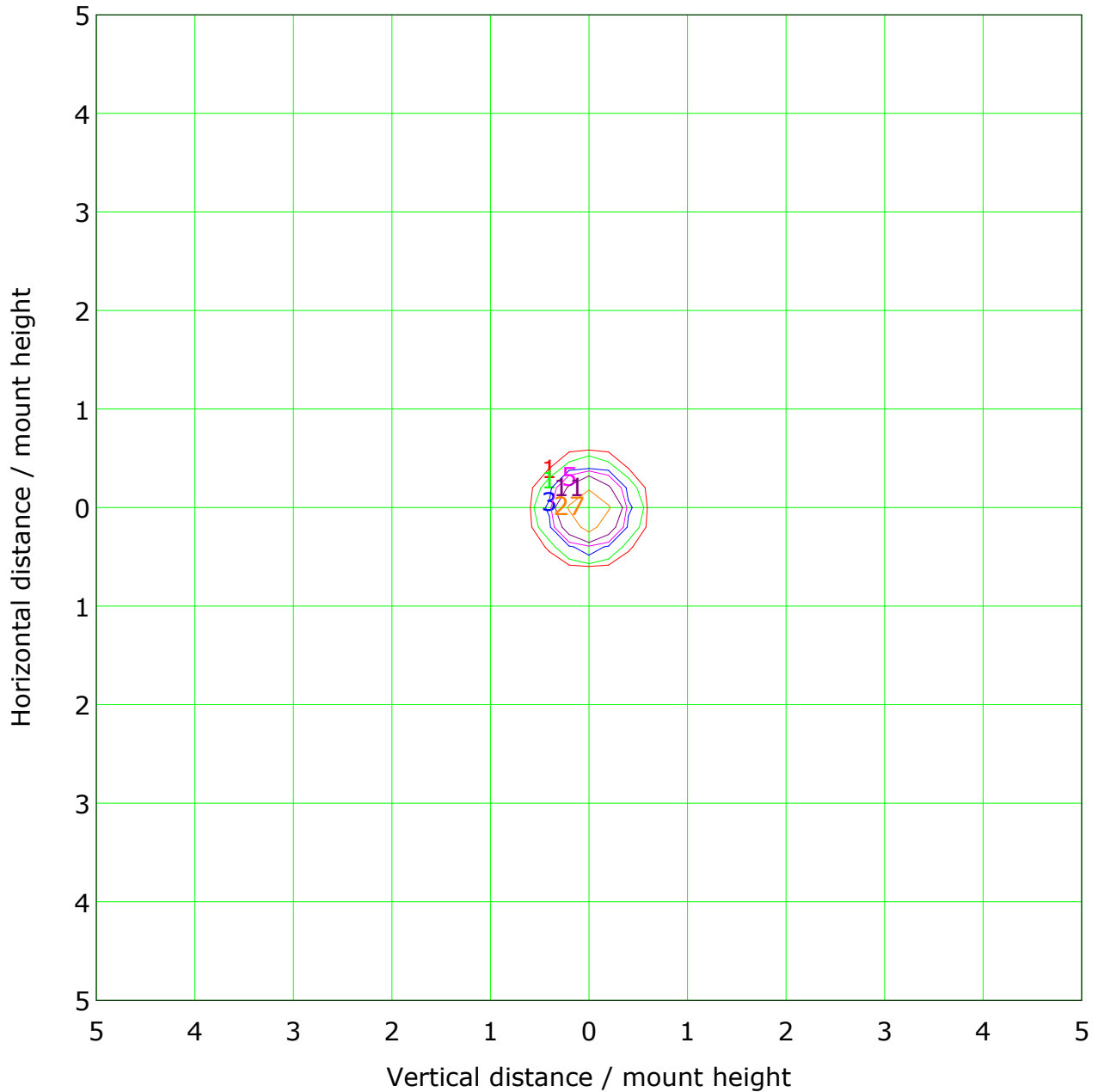
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 53.1 lx

— (1%): 0.5 lx	— (2%): 1.1 lx
— (5%): 2.7 lx	— (10%): 5.3 lx
— (20%): 10.6 lx	— (50%): 26.6 lx
— (100%): 53.1 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

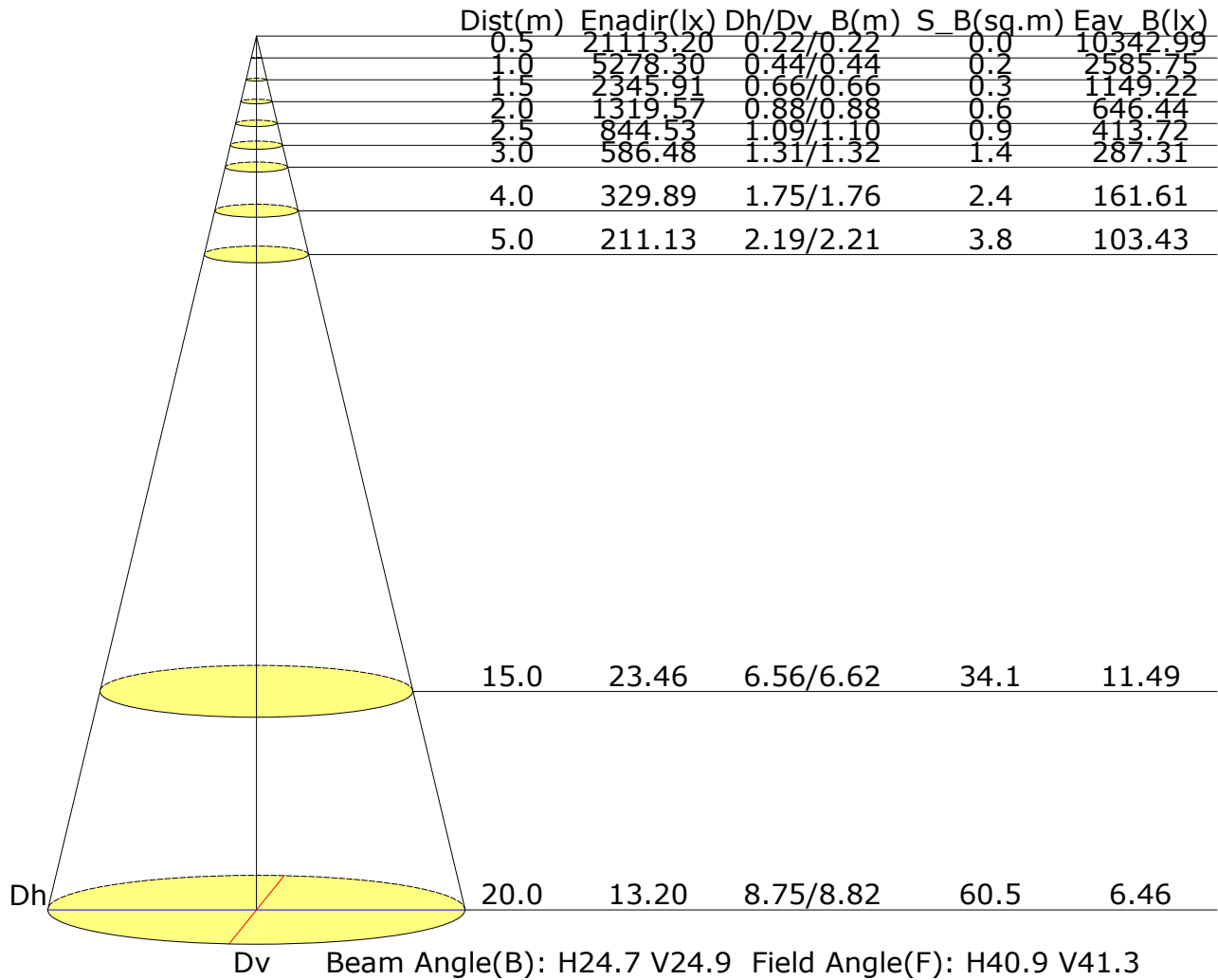
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

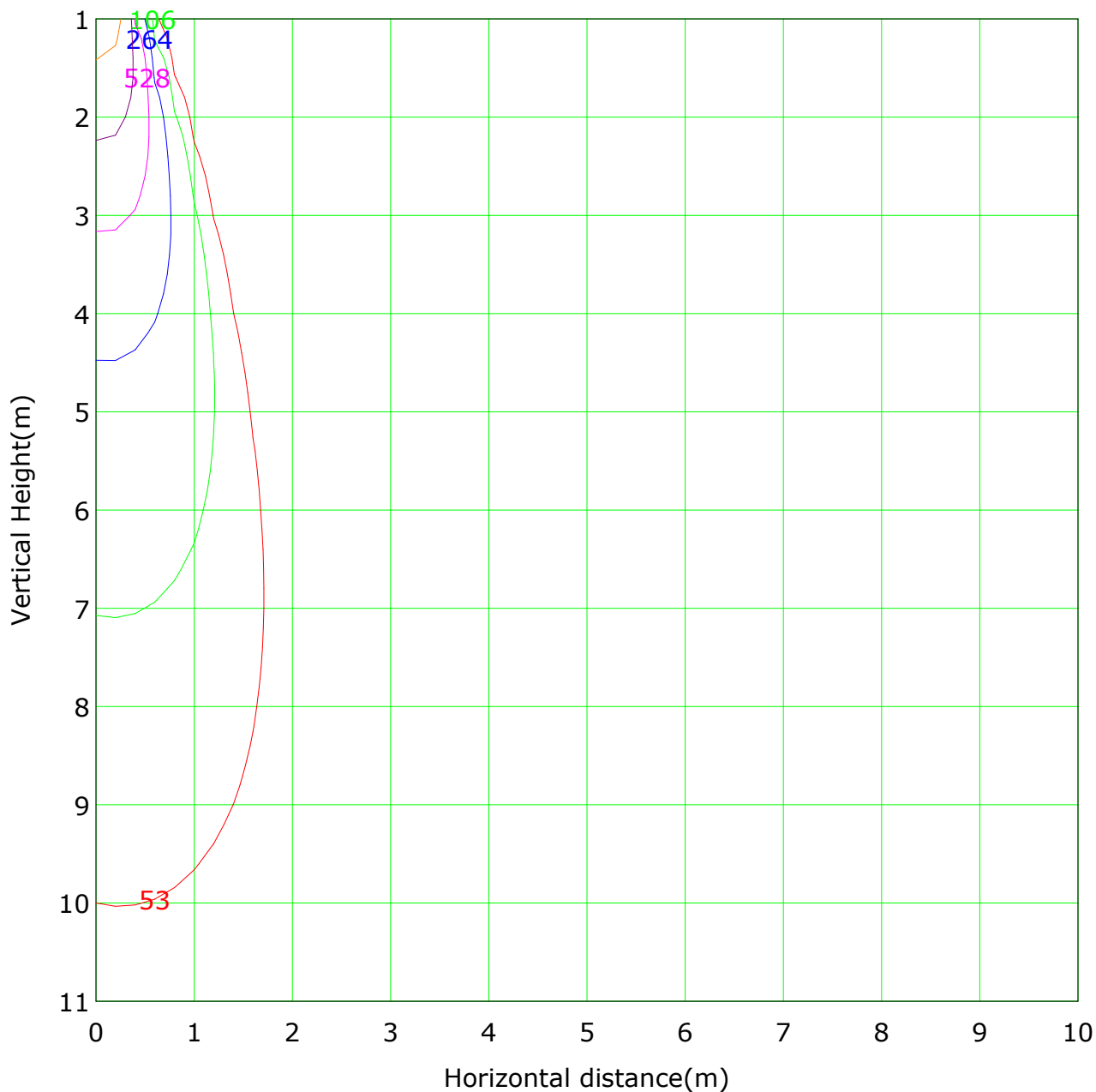
Illuminance at a Distance



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: 3.010 m
Humidity:
Inspector:

Vertical IsoLux Plot



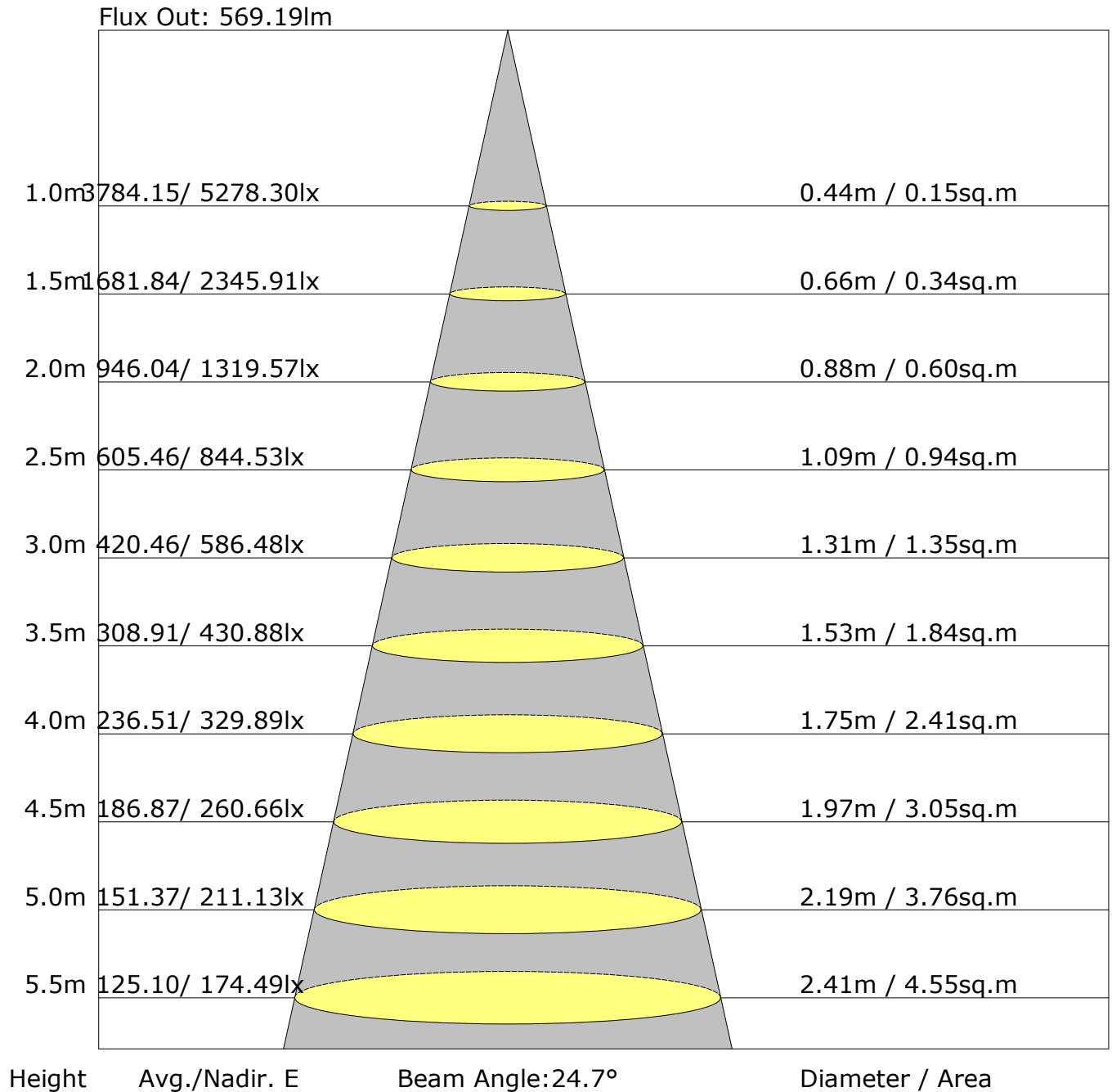
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 5278.3 lx
— (1%): 52.8 lx — (2%): 105.6 lx
— (5%): 263.9 lx — (10%): 527.8 lx
— (20%): 1055.7 lx — (50%): 2639.1 lx
— (100%): 5278.3 lx

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: 3.010 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

The Average Illuminance Effective Figure



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	8.8	9.3	9.0	9.5	9.7	8.6	9.2	8.8	9.4	9.6
3H	8.6	9.2	8.9	9.4	9.6	8.5	9.0	8.7	9.2	9.4
4H	8.6	9.0	8.9	9.3	9.6	8.4	8.9	8.7	9.1	9.4
6H	8.5	8.9	8.8	9.2	9.5	8.3	8.8	8.6	9.1	9.3
8H	8.4	8.9	8.8	9.2	9.5	8.3	8.7	8.6	9.0	9.3
12H	8.4	8.8	8.7	9.1	9.4	8.2	8.7	8.6	9.0	9.3
X=4H Y=2H	8.6	9.1	8.9	9.3	9.6	8.4	8.9	8.7	9.1	9.4
3H	8.4	8.8	8.7	9.1	9.4	8.2	8.7	8.6	9.0	9.3
4H	8.3	8.7	8.7	9.0	9.4	8.2	8.5	8.5	8.9	9.2
6H	8.2	8.6	8.6	8.9	9.3	8.1	8.4	8.5	8.8	9.2
8H	8.2	8.5	8.6	8.9	9.3	8.0	8.3	8.4	8.7	9.1
12H	8.1	8.4	8.6	8.8	9.2	8.0	8.3	8.4	8.7	9.1
X=8H Y=4H	8.2	8.5	8.6	8.9	9.3	8.0	8.3	8.4	8.7	9.1
6H	8.1	8.3	8.5	8.8	9.2	7.9	8.2	8.4	8.6	9.0
8H	8.0	8.2	8.5	8.7	9.2	7.9	8.1	8.3	8.5	9.0
12H	8.0	8.2	8.5	8.6	9.1	7.8	8.0	8.3	8.5	9.0
X=12H Y=4H	8.1	8.4	8.6	8.8	9.2	8.0	8.3	8.4	8.7	9.1
6H	8.0	8.2	8.5	8.7	9.2	7.9	8.1	8.3	8.5	9.0
8H	8.0	8.2	8.5	8.6	9.1	7.8	8.0	8.3	8.5	9.0
Variations with the observer position at spacings:										
S=1.0H	+4.5/-38.8					+4.1/-19.3				
S=1.5H	+7.3/-1.\$					+6.8/-1.\$				
S=2.0H	+9.3/-1.\$					+8.8/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 1050lm ($8\log(F/F_0) = 0.2$).

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: 3.010 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	573	54.5
	FL (0°-30°)	551	52.5
	FM (30°-60°)	21	2.0
	FH (60°-80°)	0	0.0
	FVH (80°-90°)	0	0.0
	BACK LIGHT	477	45.5
	BL (0°-30°)	457	43.5
	BM (30°-60°)	20	1.9
	BH (60°-80°)	0	0.0
	BVH (80°-90°)	0	0.0
	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: 3.010 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	5268.9	5.0	5.0	0.48	0.48
1.0-2.0	5230.1	15.0	20.1	1.43	1.91
2.0-3.0	5152.8	24.6	44.7	2.35	4.26
3.0-4.0	5039.3	33.7	78.4	3.21	7.47
4.0-5.0	4889.7	42.1	120.5	4.01	11.48
5.0-6.0	4705.0	49.5	170.0	4.71	16.19
6.0-7.0	4487.2	55.7	225.7	5.31	21.49
7.0-8.0	4236.5	60.6	286.3	5.78	27.27
8.0-9.0	3954.2	64.1	350.4	6.10	33.37
9.0-10.0	3645.5	66.0	416.4	6.28	39.66
10.0-11.0	3315.3	66.3	482.6	6.31	45.97
11.0-12.0	2969.3	64.9	547.6	6.18	52.15
12.0-13.0	2616.5	62.1	609.7	5.91	58.06
13.0-14.0	2270.9	58.1	667.8	5.54	63.60
14.0-15.0	1940.7	53.3	721.1	5.07	68.67
15.0-16.0	1629.8	47.8	768.8	4.55	73.22
16.0-17.0	1345.6	41.9	810.7	3.99	77.21
17.0-18.0	1094.6	36.1	846.8	3.44	80.65
18.0-19.0	878.2	30.6	877.4	2.91	83.56
19.0-20.0	696.9	25.5	902.9	2.43	85.99
20.0-21.0	549.5	21.1	924.0	2.01	88.00
21.0-22.0	432.3	17.4	941.4	1.65	89.66
22.0-23.0	340.0	14.3	955.7	1.36	91.02
23.0-24.0	268.7	11.8	967.4	1.12	92.13
24.0-25.0	215.2	9.8	977.2	0.93	93.07
25.0-26.0	173.8	8.2	985.4	0.78	93.85
26.0-27.0	142.1	7.0	992.3	0.66	94.51
27.0-28.0	118.3	6.0	998.3	0.57	95.08
28.0-29.0	100.6	5.3	1003.6	0.50	95.58
29.0-30.0	86.3	4.7	1008.3	0.44	96.03
30.0-31.0	75.8	4.2	1012.5	0.40	96.43
31.0-32.0	67.1	3.8	1016.3	0.37	96.79
32.0-33.0	58.8	3.5	1019.8	0.33	97.12
33.0-34.0	52.4	3.2	1023.0	0.30	97.43
34.0-35.0	46.7	2.9	1025.9	0.28	97.70
35.0-36.0	41.8	2.7	1028.5	0.25	97.96

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: 3.010 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	38.1	2.5	1031.0	0.24	98.19
37.0-38.0	35.4	2.4	1033.4	0.23	98.42
38.0-39.0	31.7	2.2	1035.5	0.21	98.62
39.0-40.0	27.1	1.9	1037.4	0.18	98.80
40.0-41.0	24.5	1.7	1039.2	0.17	98.97
41.0-42.0	22.6	1.6	1040.8	0.16	99.13
42.0-43.0	20.7	1.5	1042.4	0.15	99.27
43.0-44.0	18.1	1.4	1043.7	0.13	99.40
44.0-45.0	15.1	1.2	1044.9	0.11	99.51
45.0-46.0	12.4	1.0	1045.9	0.09	99.61
46.0-47.0	10.9	0.9	1046.7	0.08	99.69
47.0-48.0	9.8	0.8	1047.5	0.08	99.76
48.0-49.0	8.7	0.7	1048.2	0.07	99.83
49.0-50.0	7.2	0.6	1048.8	0.06	99.89
50.0-51.0	4.9	0.4	1049.2	0.04	99.93
51.0-52.0	3.8	0.3	1049.6	0.03	99.96
52.0-53.0	2.3	0.2	1049.8	0.02	99.98
53.0-54.0	0.8	0.1	1049.8	0.01	99.98
54.0-55.0	1.1	0.1	1049.9	0.01	99.99
55.0-56.0	0.8	0.1	1050.0	0.01	100.00
56.0-57.0	0.0	0.0	1050.0	0.00	100.00
57.0-58.0	0.0	0.0	1050.0	0.00	100.00
58.0-59.0	0.0	0.0	1050.0	0.00	100.00
59.0-60.0	0.0	0.0	1050.0	0.00	100.00
60.0-61.0	0.0	0.0	1050.0	0.00	100.00
61.0-62.0	0.0	0.0	1050.0	0.00	100.00
62.0-63.0	0.0	0.0	1050.0	0.00	100.00
63.0-64.0	0.0	0.0	1050.0	0.00	100.00
64.0-65.0	0.0	0.0	1050.0	0.00	100.00
65.0-66.0	0.0	0.0	1050.0	0.00	100.00
66.0-67.0	0.0	0.0	1050.0	0.00	100.00
67.0-68.0	0.0	0.0	1050.0	0.00	100.00
68.0-69.0	0.0	0.0	1050.0	0.00	100.00
69.0-70.0	0.0	0.0	1050.0	0.00	100.00
70.0-71.0	0.0	0.0	1050.0	0.00	100.00
71.0-72.0	0.0	0.0	1050.0	0.00	100.00

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: 3.010 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	5278.3	5278.3								
G1.0	5316.0	5202.9								
G2.0	5319.0	5082.3								
G3.0	5285.8	4924.0								
G4.0	5218.0	4729.5								
G5.0	5112.5	4498.8								
G6.0	4967.7	4241.0								
G7.0	4794.3	3945.5								
G8.0	4586.3	3619.9								
G9.0	4337.5	3273.1								
G10.0	4049.6	2921.8								
G11.0	3725.4	2564.5								
G12.0	3371.1	2216.3								
G13.0	3007.8	1871.0								
G14.0	2641.4	1563.4								
G15.0	2266.0	1292.1								
G16.0	1905.7	1055.4								
G17.0	1568.0	853.3								
G18.0	1272.5	684.5								
G19.0	1017.7	538.2								
G20.0	809.6	422.1								
G21.0	639.3	327.2								
G22.0	505.1	257.8								
G23.0	393.5	203.5								
G24.0	312.1	165.8								
G25.0	247.3	135.7								
G26.0	199.0	113.1								
G27.0	159.8	96.5								
G28.0	132.7	84.4								
G29.0	111.6	73.9								
G30.0	95.0	64.8								
G31.0	82.9	60.3								
G32.0	70.9	54.3								
G33.0	61.8	48.2								
G34.0	54.3	45.2								
G35.0	48.2	39.2								
G36.0	42.2	37.7								

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: 3.010 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	39.2	33.2								
G38.0	36.2	33.2								
G39.0	30.1	27.1								
G40.0	27.1	24.1								
G41.0	22.6	24.1								
G42.0	19.6	24.1								
G43.0	18.1	21.1								
G44.0	15.1	18.1								
G45.0	12.1	15.1								
G46.0	10.6	12.1								
G47.0	10.6	10.6								
G48.0	7.5	10.6								
G49.0	7.5	9.1								
G50.0	4.5	7.5								
G51.0	3.0	4.5								
G52.0	3.0	4.5								
G53.0	0.0	1.5								
G54.0	0.0	1.5								
G55.0	0.0	3.0								
G56.0	0.0	0.0								
G57.0	0.0	0.0								
G58.0	0.0	0.0								
G59.0	0.0	0.0								
G60.0	0.0	0.0								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

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: 3.010 m

Humidity:

Inspector:

Unit: cd

Inspector: