

Report No.: 6

Test Time: 2018/10/11 19:49

Luminaire Property

Luminaire Manufacturer: Havit Commercial

Luminaire Description: HCP-8921204 + HCP-8931204 (3000K)

Voltage: 220.1 V

Current: 0.115 A

Power: 13.34 W

Power Factor: 0.533

Photometric Results

CIE Class: Direct

Measurement Flux: 1138.9 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H21.1

Vertical Diffuse Angle(50%): V21.1

Luminaire Efficacy Rating (LER): 85.42

Max. Intensity: 6023.61 cd

S/MH(C0/C180): 0.36

Total Rated Lamp Lumens: 1138.9 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 5923.83 cd

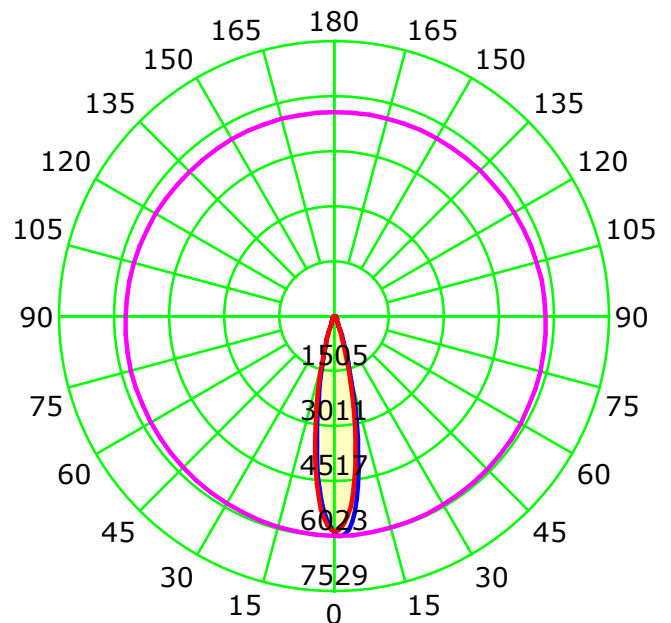
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 0.36

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 21.1°

— C0-C180 — C90-C270 — G2

C Plane (°):0.0-360.0: 45.0

Test Lab: Inventfine instruments

Test Type: TYPE C

Temperature: 26

Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0

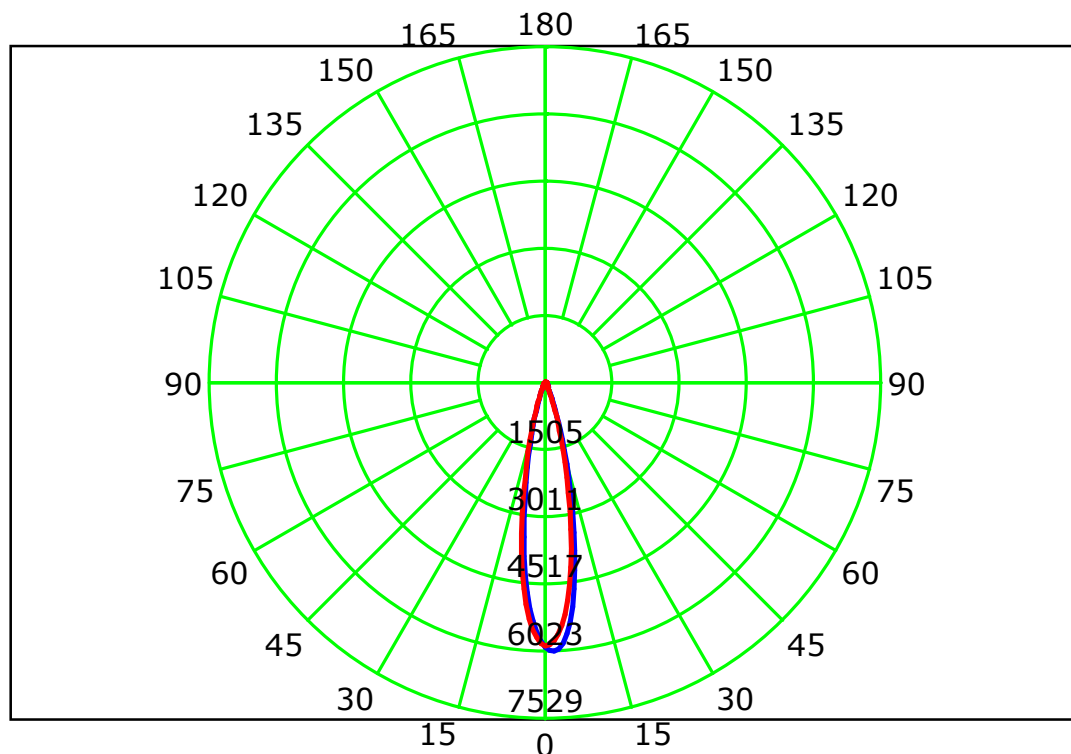
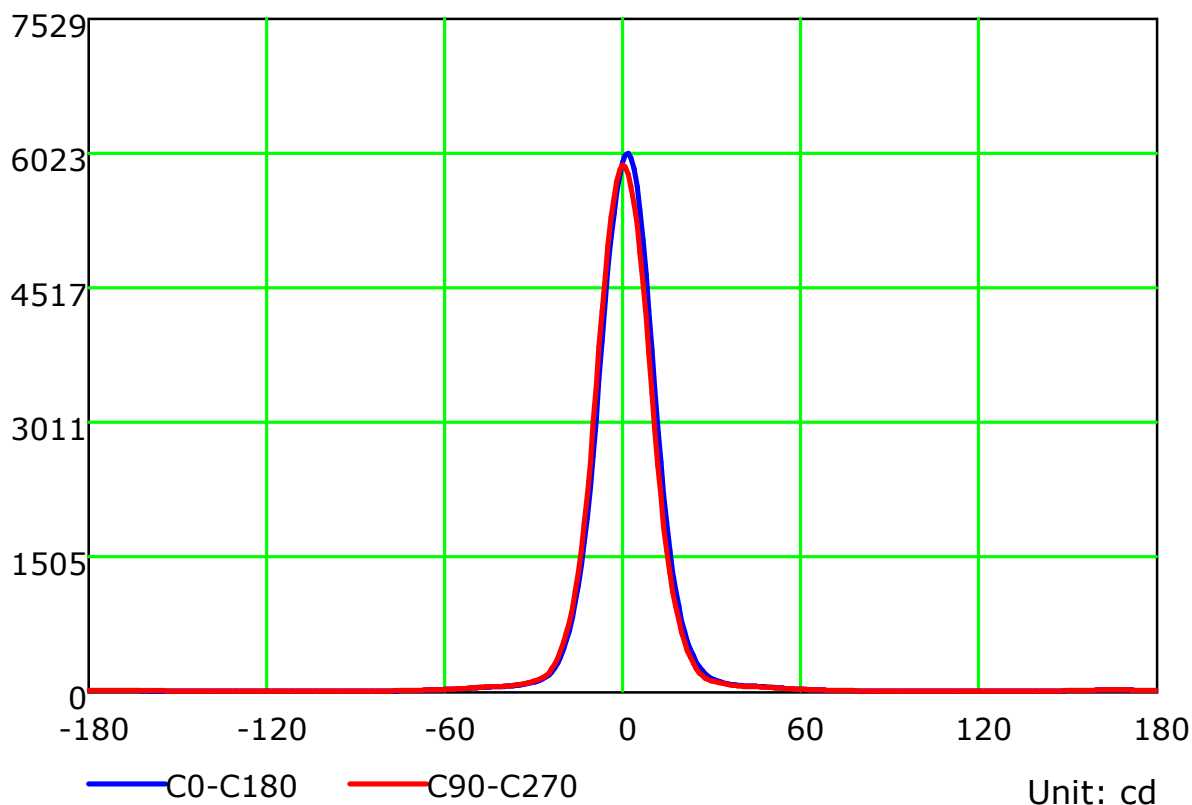
Test Device: GPM-1800B

Distance: 7.991 m

Humidity: 58

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
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Gamma Plane (°):0.0-180.0:1.0
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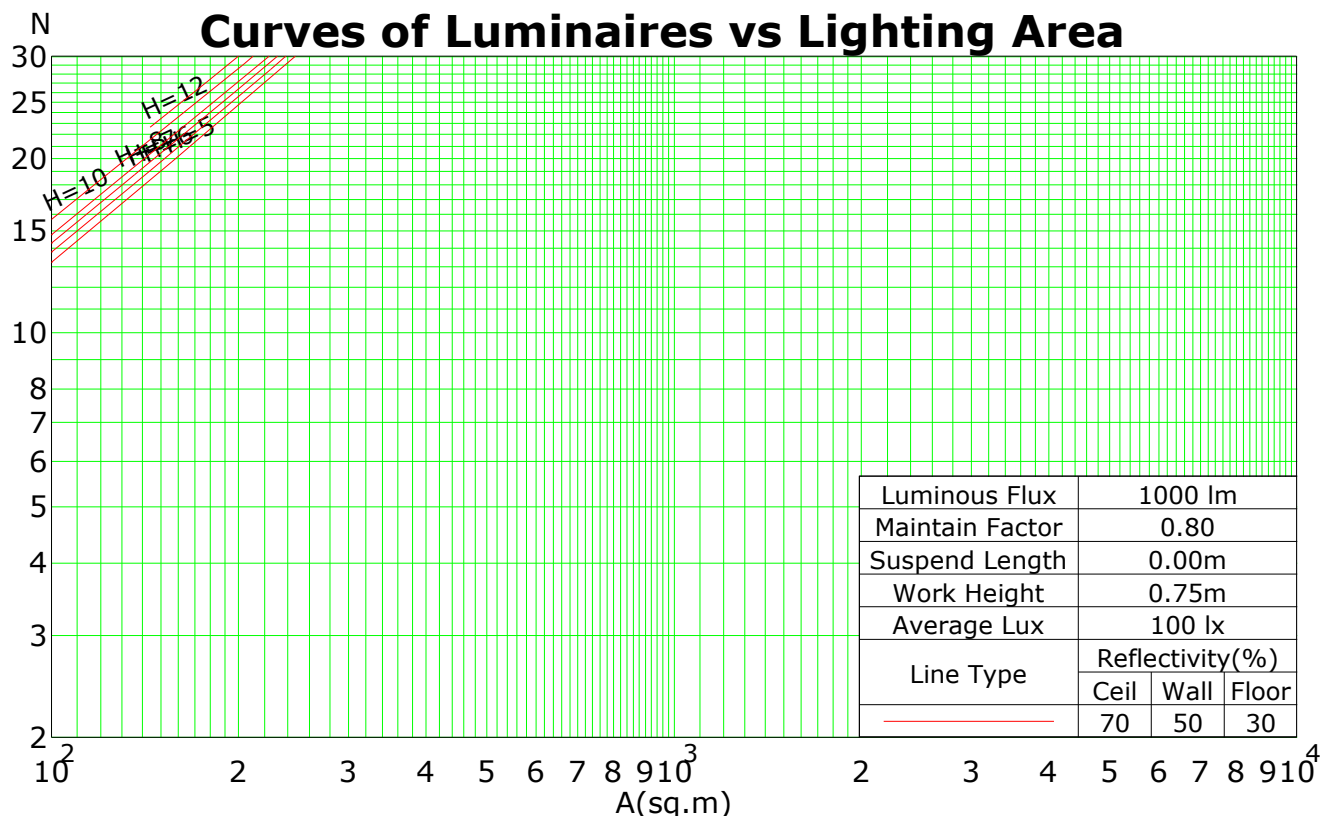
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	114	112	110	108	112	110	108	106	105	104	103	102	100	99	98	97	96	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	99	92	88	84	97	91	87	84	90	86	83	88	85	82	86	84	82	80
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	77	75
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	74	73
9	88	81	76	73	87	80	76	73	79	76	73	78	75	73	78	75	72	71
10	86	78	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70

Spacing Criteria (0-180): 0.36

Spacing Criteria (90-270): 0.36

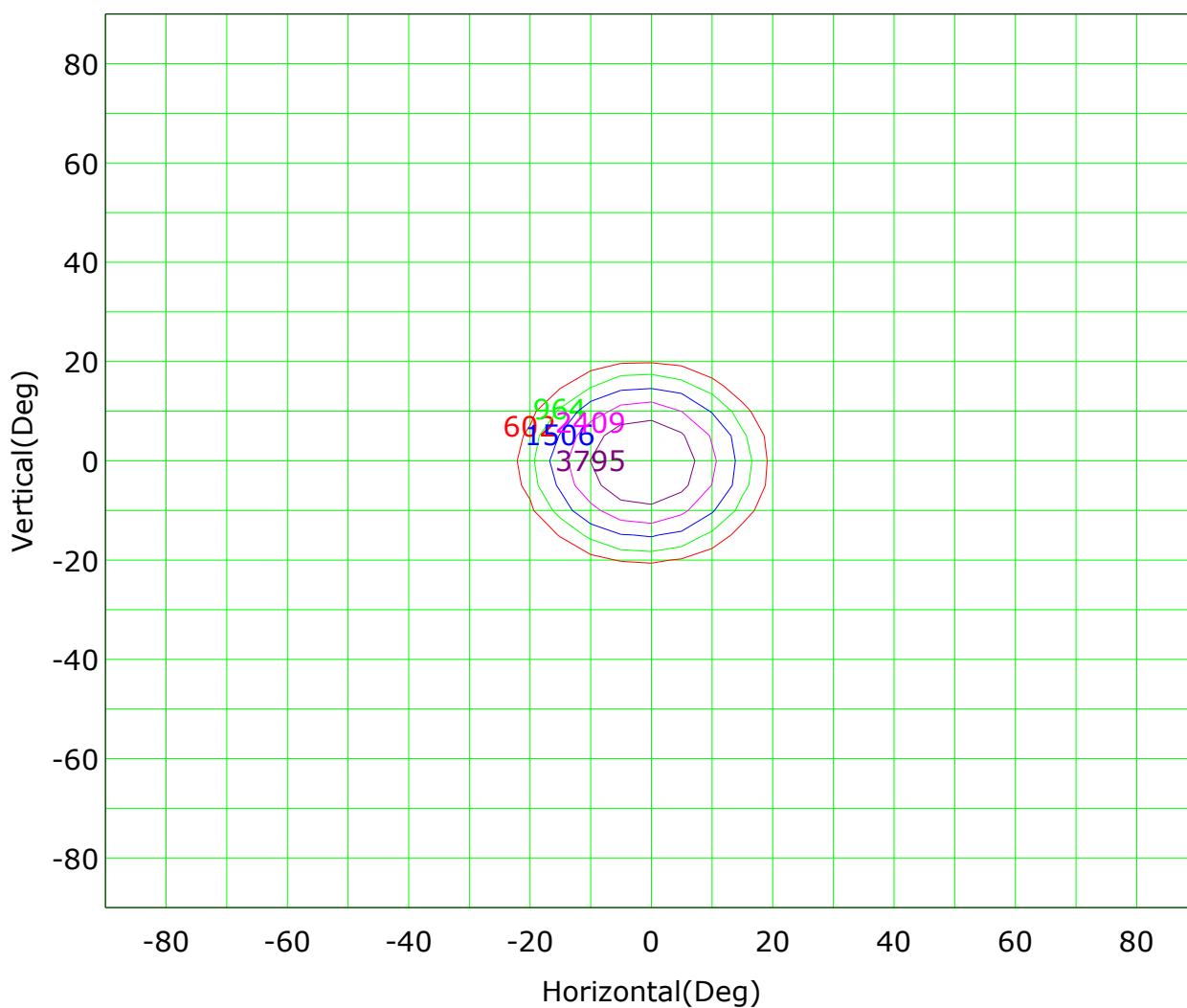
Spacing Criteria (Diagonal): 0.37



C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.991 m
Humidity: 58
Inspector:

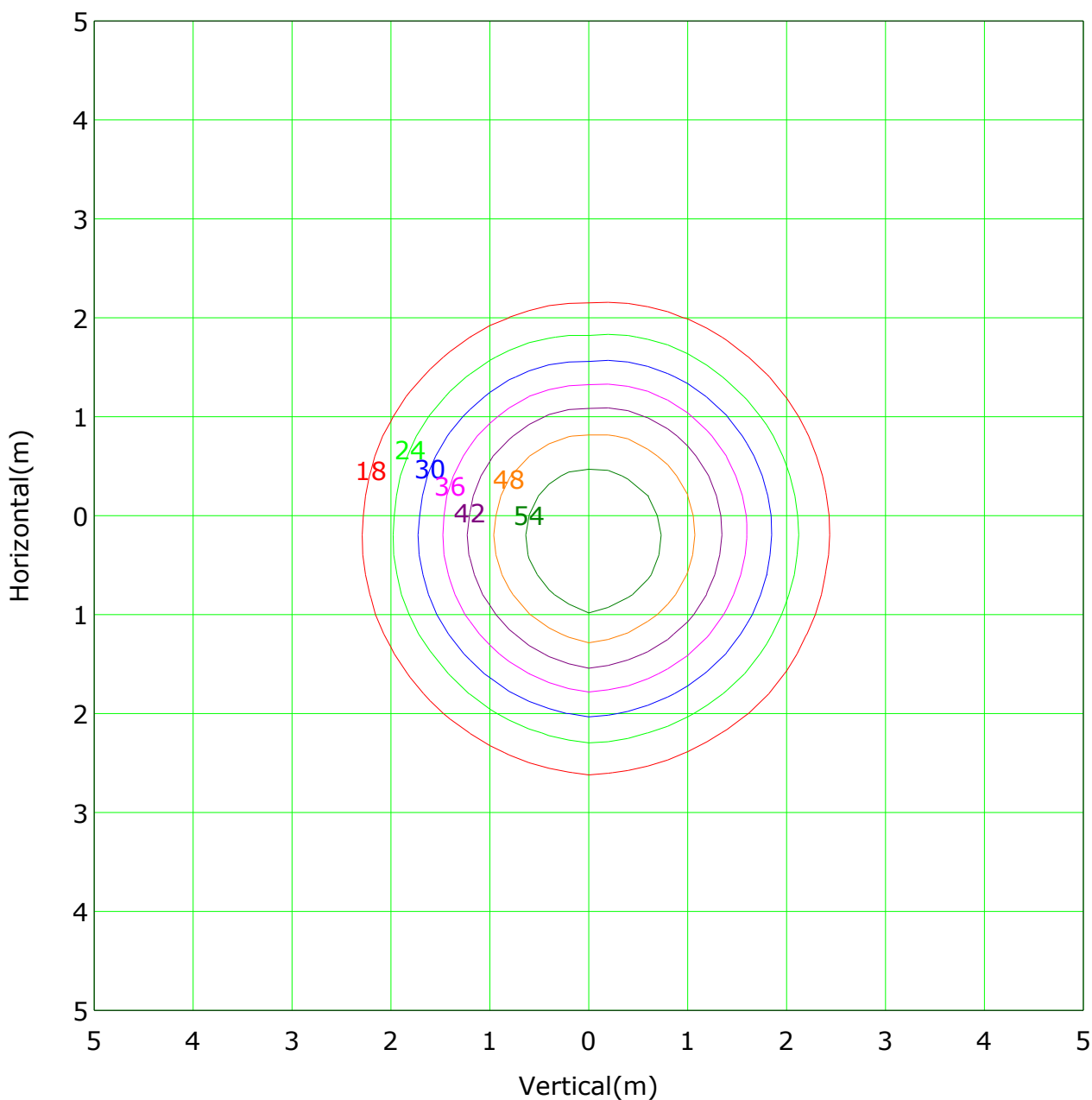
Isocandela (rectangle)



Imax (100%): 6024 cd

(10%): 602 cd	(16%): 964 cd
(25%): 1506 cd	(40%): 2409 cd
(63%): 3795 cd	(100%): 6024 cd

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 60.1 lx	
(30%): 18.0 lx	(40%): 24.1 lx
(50%): 30.1 lx	(60%): 36.1 lx
(70%): 42.1 lx	(80%): 48.1 lx
(90%): 54.1 lx	(100%): 60.1 lx
(120%): 72.2 lx	(150%): 90.2 lx

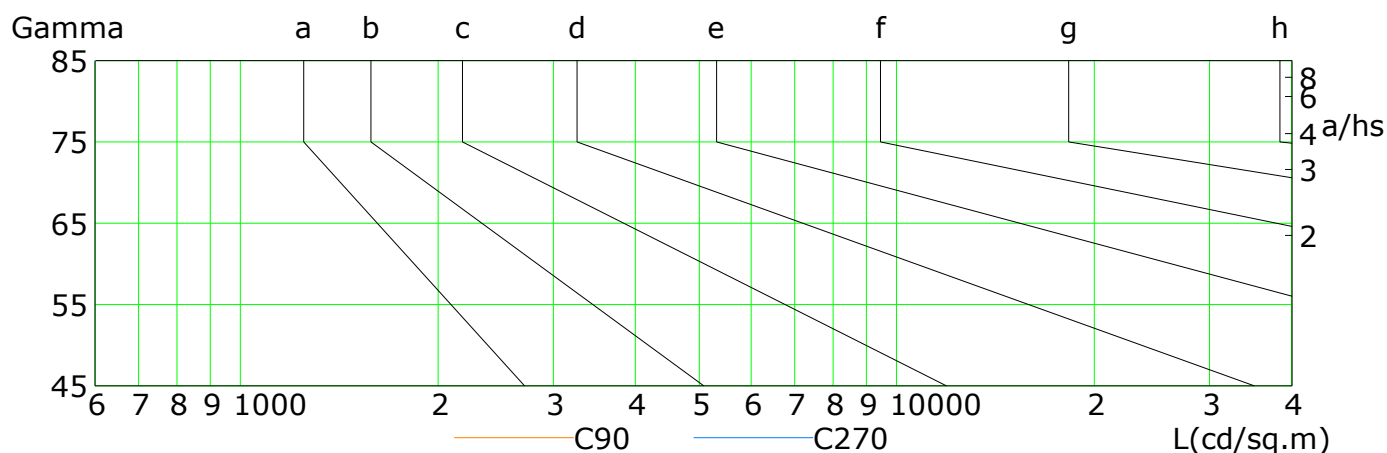
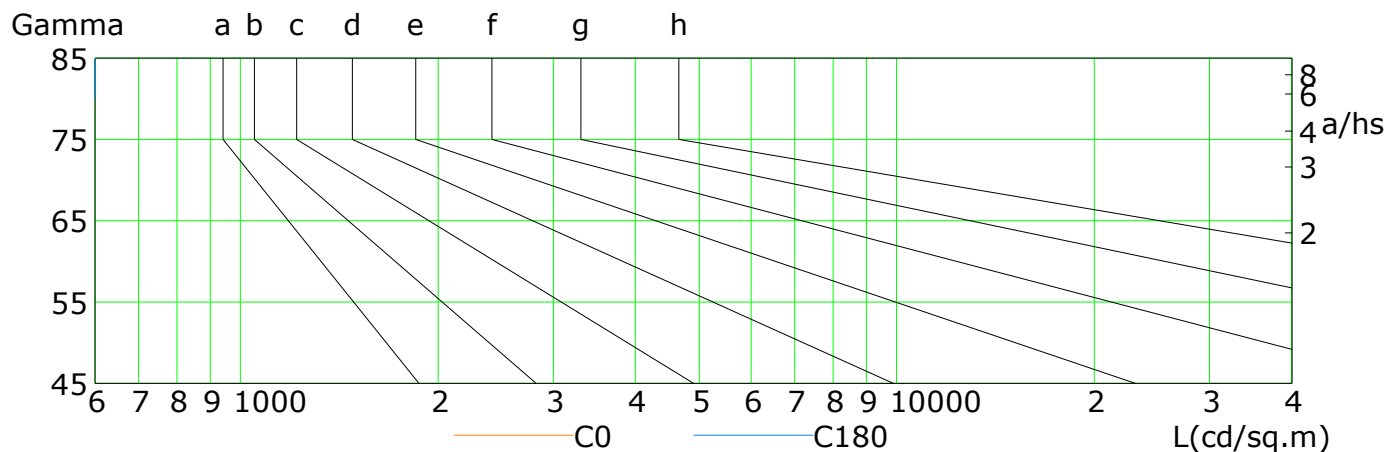
C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.991 m
Humidity: 58
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

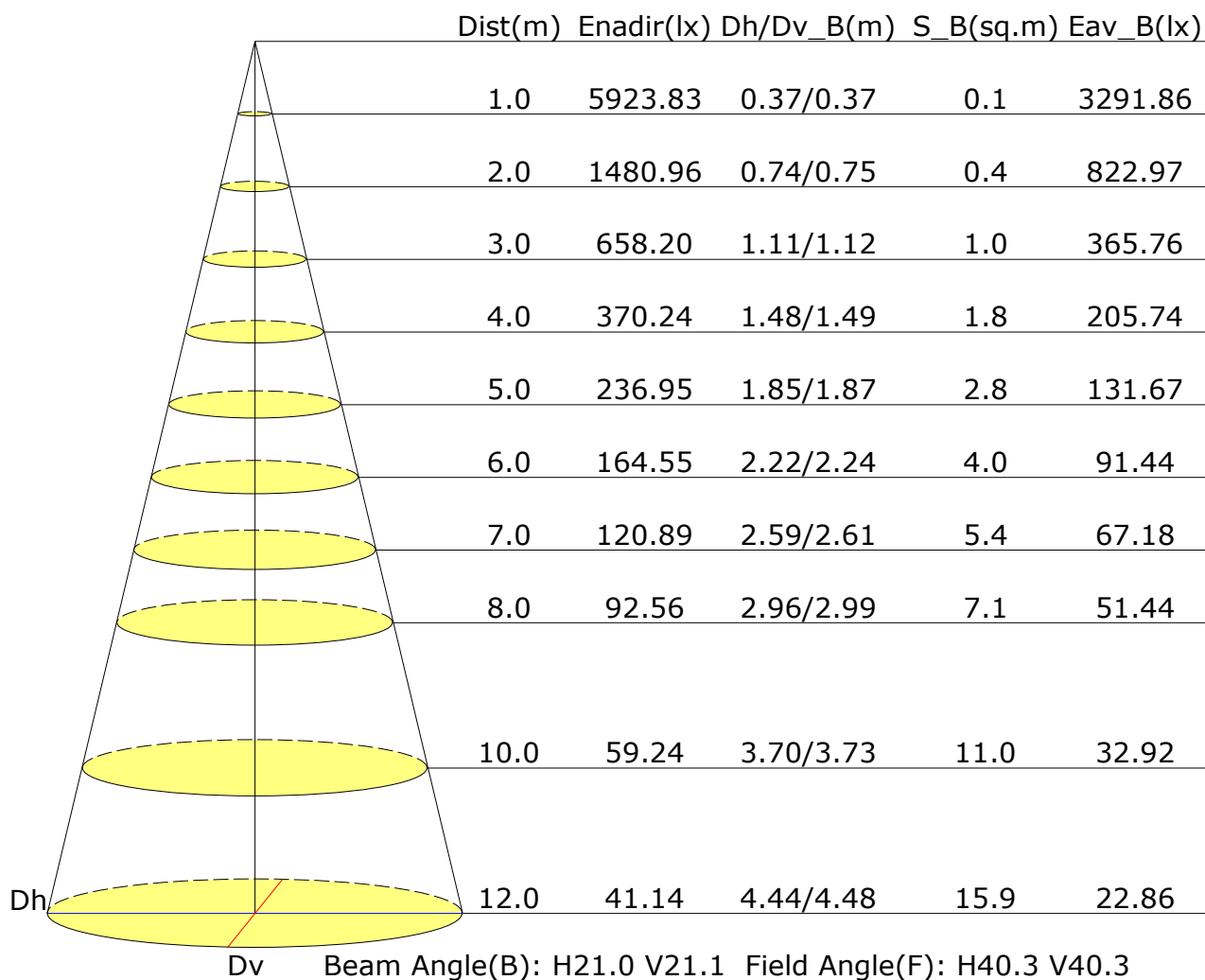


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	58	46	35	25	18	13	9	6	0
C90	53	44	34	25	18	13	10	6	0
C180	50	40	30	22	16	11	8	0	0
C270	53	42	32	23	17	12	8	6	0

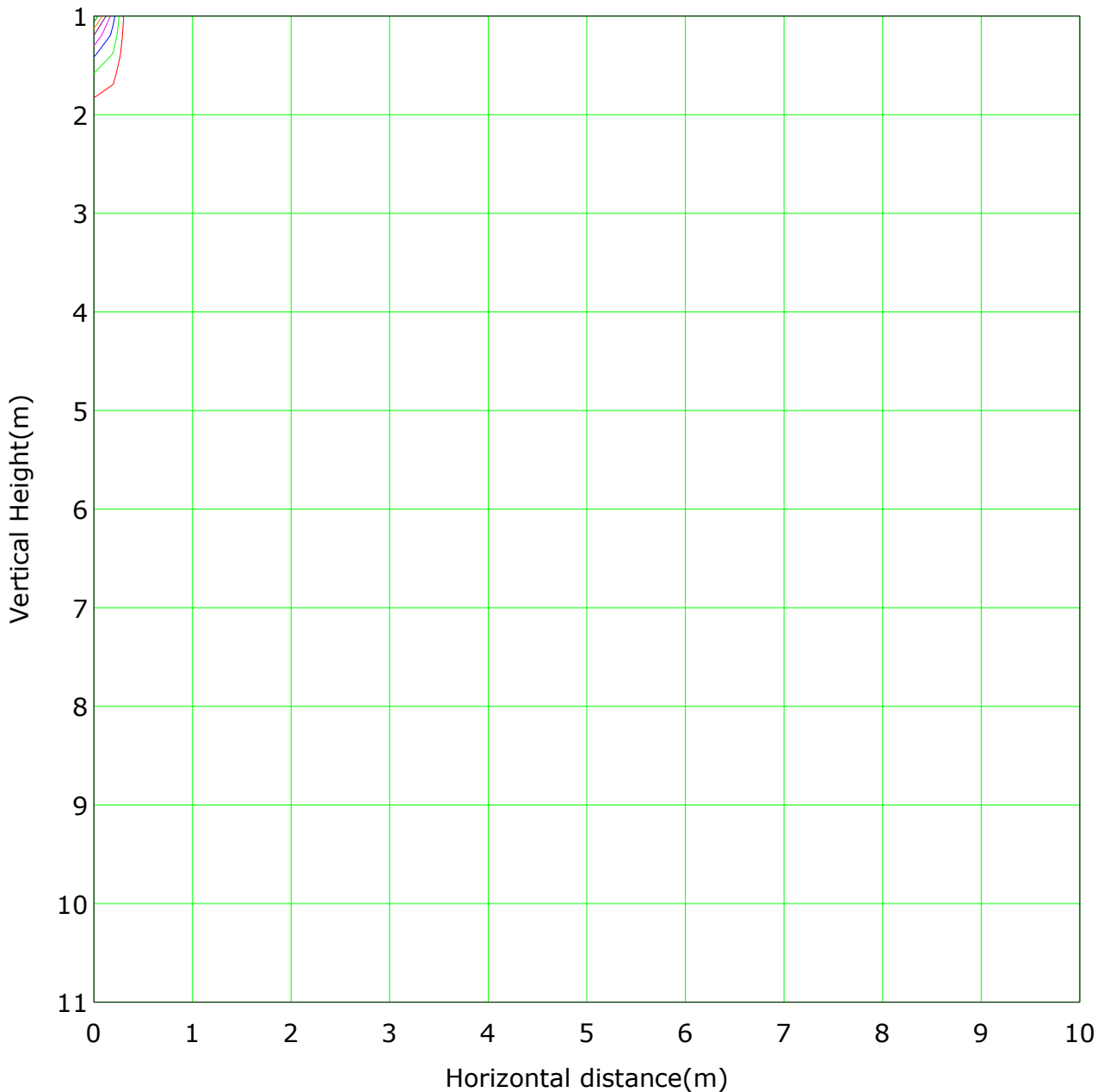
C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.991 m
Humidity: 58
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

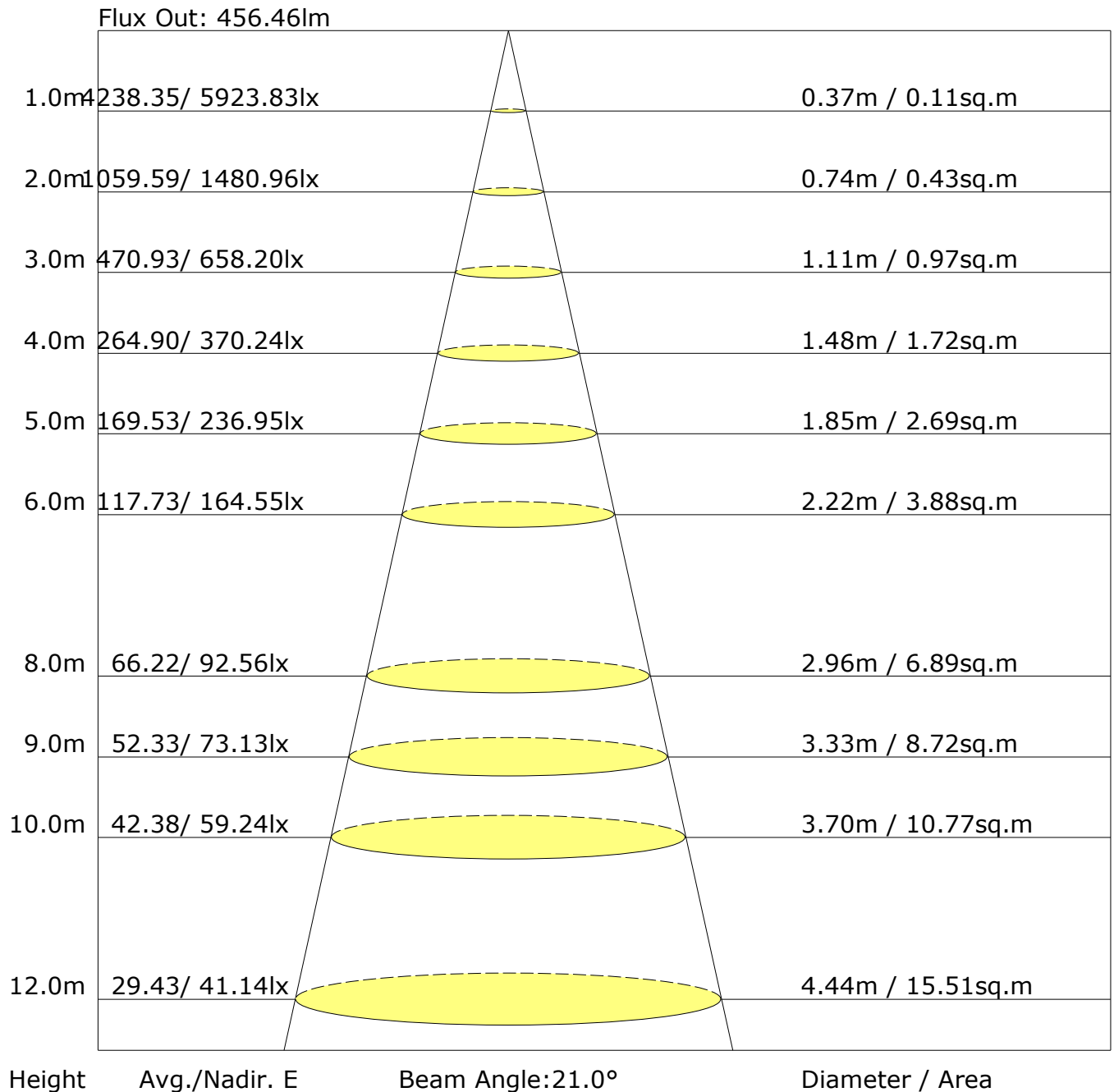


Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 5923.8 lx		
— (30%):1777.1 lx	— (40%):2369.5 lx	
— (50%):2961.9 lx	— (60%):3554.3 lx	
— (70%):4146.7 lx	— (80%):4739.1 lx	
— (90%):5331.4 lx	— (100%):5923.8 lx	
— (120%):7108.6 lx	— (150%):8885.7 lx	

C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.991 m
Humidity: 58
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	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 1139lm ($8\log(F/F_0) = 0.5$).

Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	5923.8	5908.1	5898.2	5888.5	5923.8	5908.1	5898.2	5888.5	5923.8	
G1.0	6007.4	5955.7	5879.9	5805.2	5789.3	5800.1	5848.0	5900.9	6007.4	
G2.0	6023.6	5931.3	5793.4	5650.3	5597.4	5610.2	5720.2	5856.9	6023.6	
G3.0	5974.8	5852.3	5654.7	5456.1	5356.1	5413.6	5540.4	5755.4	5974.8	
G4.0	5852.5	5714.1	5462.9	5214.2	5082.1	5122.7	5310.9	5582.0	5852.5	
G5.0	5653.2	5487.7	5225.1	4942.0	4733.9	4807.1	4994.6	5316.4	5653.2	
G6.0	5394.0	5191.8	4915.1	4600.1	4367.9	4412.1	4646.5	4998.7	5394.0	
G7.0	5060.8	4870.0	4568.0	4229.2	3916.8	4009.4	4253.1	4644.3	5060.8	
G8.0	4672.6	4482.7	4181.6	3811.0	3498.1	3611.2	3859.1	4226.3	4672.6	
G9.0	4266.7	4073.4	3780.8	3386.3	3043.9	3155.1	3424.2	3844.6	4266.7	
G10.0	3825.5	3674.0	3338.2	2975.6	2632.5	2756.2	3020.0	3415.3	3825.5	
G11.0	3419.6	3240.6	2944.6	2547.9	2290.9	2384.9	2571.1	3006.7	3419.6	
G12.0	2967.1	2841.7	2527.6	2202.2	1950.0	2005.5	2200.3	2561.5	2967.1	
G13.0	2570.2	2459.3	2193.0	1881.6	1667.5	1714.7	1884.0	2201.2	2570.2	
G14.0	2209.4	2107.3	1840.3	1611.5	1422.8	1466.8	1602.5	1885.5	2209.4	
G15.0	1889.6	1782.5	1573.8	1360.5	1189.2	1228.3	1337.5	1582.7	1889.6	
G16.0	1584.7	1528.8	1324.0	1159.4	1001.4	1034.3	1123.0	1346.9	1584.7	
G17.0	1344.8	1305.6	1125.4	979.9	835.2	857.9	941.0	1133.8	1344.8	
G18.0	1133.6	1086.0	948.3	817.8	680.3	717.1	779.7	957.7	1133.6	
G19.0	954.3	916.6	797.8	676.0	567.3	590.5	658.6	797.8	954.3	
G20.0	793.9	773.8	661.3	555.9	473.3	490.2	554.0	676.2	793.9	
G21.0	671.9	638.8	552.8	464.8	385.6	404.4	453.0	559.8	671.9	
G22.0	563.2	532.5	452.5	386.3	318.0	331.0	373.3	467.7	563.2	
G23.0	469.2	440.0	382.2	317.5	262.9	265.3	307.8	390.9	469.2	
G24.0	396.0	364.3	310.9	260.7	214.8	220.6	251.8	320.1	396.0	
G25.0	329.8	300.1	256.1	213.8	184.1	184.6	204.4	265.5	329.8	
G26.0	276.6	251.0	207.1	177.1	159.9	160.2	174.4	217.2	276.6	
G27.0	231.7	208.7	172.8	151.5	141.3	141.3	152.9	182.2	231.7	
G28.0	195.9	175.9	149.3	132.9	123.9	128.3	137.0	158.3	195.9	
G29.0	167.4	150.5	133.1	120.3	113.1	117.9	124.9	140.9	167.4	
G30.0	147.4	134.8	121.3	109.9	104.9	108.2	115.2	126.8	147.4	
G31.0	132.2	122.3	110.4	101.2	95.7	100.3	105.3	116.4	132.2	
G32.0	119.1	113.1	102.4	93.3	89.2	93.0	97.4	107.3	119.1	
G33.0	109.2	103.9	94.7	85.5	82.1	85.5	89.4	99.5	109.2	
G34.0	100.3	95.9	87.2	80.0	75.6	78.8	82.6	91.3	100.3	
G35.0	92.5	89.2	79.3	74.4	71.3	73.0	77.1	84.6	92.5	
G36.0	84.8	82.9	73.2	69.1	67.4	68.9	71.8	78.5	84.8	

C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.991 m
Humidity: 58
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	78.3	76.3	69.1	64.5	63.1	65.2	67.9	73.4	78.3	
G38.0	73.0	71.0	65.0	60.6	60.2	62.3	64.0	67.9	73.0	
G39.0	70.1	66.9	61.1	58.0	58.2	60.2	61.4	65.7	70.1	
G40.0	67.2	64.0	59.0	55.1	57.0	58.5	59.4	63.5	67.2	
G41.0	64.5	61.8	57.0	54.1	55.1	57.3	57.3	61.4	64.5	
G42.0	62.6	59.9	55.1	52.9	53.6	56.0	56.3	59.7	62.6	
G43.0	60.9	59.0	54.1	52.2	52.4	54.6	55.8	58.2	60.9	
G44.0	59.2	57.5	53.4	51.0	50.7	53.2	54.4	56.8	59.2	
G45.0	57.5	56.3	52.9	50.3	49.5	51.7	52.7	54.6	57.5	
G46.0	55.8	54.6	50.7	49.0	47.8	50.0	51.0	52.7	55.8	
G47.0	53.4	53.2	49.5	47.3	45.7	48.1	48.8	50.7	53.4	
G48.0	51.0	50.7	47.6	45.9	44.0	46.4	46.9	48.3	51.0	
G49.0	48.6	48.8	45.7	44.5	42.0	44.2	44.7	46.2	48.6	
G50.0	45.9	46.9	43.7	42.3	39.9	42.0	42.3	44.2	45.9	
G51.0	43.5	44.2	41.8	40.6	37.7	39.6	39.9	41.8	43.5	
G52.0	41.3	42.0	39.9	38.4	35.8	37.9	37.9	39.4	41.3	
G53.0	38.9	39.9	37.5	36.5	34.1	35.5	35.8	37.2	38.9	
G54.0	36.7	37.7	35.5	34.3	32.1	33.6	33.6	34.8	36.7	
G55.0	34.5	35.5	33.8	33.1	30.2	31.4	31.6	32.9	34.5	
G56.0	32.6	33.6	31.6	31.2	28.3	29.5	29.7	30.9	32.6	
G57.0	30.7	31.6	29.7	29.5	26.8	27.3	27.8	28.8	30.7	
G58.0	28.3	29.7	28.3	27.5	24.9	26.1	26.1	26.8	28.3	
G59.0	26.3	27.8	26.3	25.9	23.4	24.9	24.6	24.9	26.3	
G60.0	24.6	26.1	24.6	24.6	22.0	23.2	23.0	23.2	24.6	
G61.0	23.0	24.6	23.2	23.2	20.3	21.5	21.5	21.7	23.0	
G62.0	21.5	23.2	22.0	21.7	19.3	20.3	20.5	20.3	21.5	
G63.0	20.8	21.7	20.5	20.3	17.9	19.1	19.1	19.3	20.8	
G64.0	19.6	20.5	19.3	19.1	16.4	17.9	17.9	18.4	19.6	
G65.0	18.1	19.3	18.1	18.1	15.9	17.1	16.9	16.4	18.1	
G66.0	16.9	18.1	16.9	16.9	15.0	15.9	15.9	16.4	16.9	
G67.0	15.9	16.9	15.9	16.2	14.0	14.7	15.2	15.5	15.9	
G68.0	15.0	15.9	14.7	15.2	13.1	14.0	14.0	14.3	15.0	
G69.0	14.0	15.0	14.0	14.3	12.1	13.3	13.1	13.5	14.0	
G70.0	13.3	14.0	13.3	13.3	11.4	12.3	12.3	12.8	13.3	
G71.0	12.3	13.3	12.6	12.3	10.6	11.6	11.6	11.8	12.3	
G72.0	11.6	12.3	11.6	11.8	9.9	11.1	10.9	11.1	11.6	
G73.0	10.6	11.6	11.1	10.9	9.2	10.1	9.9	10.6	10.6	

C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.991 m
Humidity: 58
Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	9.9	10.9	9.9	10.6	8.2	9.4	9.2	9.9	9.9	
G75.0	9.4	10.4	9.7	9.7	7.7	8.7	8.5	9.4	9.4	
G76.0	8.7	9.4	8.9	8.9	6.8	8.0	8.2	8.7	8.7	
G77.0	8.0	8.7	8.0	8.2	6.3	7.5	7.5	8.0	8.0	
G78.0	7.5	8.0	7.5	7.7	5.3	6.8	6.8	7.5	7.5	
G79.0	6.8	7.0	6.5	7.0	4.8	6.3	6.0	6.8	6.8	
G80.0	6.0	6.8	6.0	6.0	0.0	5.6	5.6	6.0	6.0	
G81.0	5.3	6.3	5.6	5.8	0.0	4.8	0.0	5.6	5.3	
G82.0	4.8	5.6	4.8	5.1	0.0	0.0	0.0	5.1	4.8	
G83.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G84.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G86.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G87.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G88.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G89.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.991 m
Humidity: 58
Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G111.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G118.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G128.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G129.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G131.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G132.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G133.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G134.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G136.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G137.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G139.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G141.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G142.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	
G143.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	
G144.0	0.0	5.1	0.0	5.8	0.0	0.0	0.0	0.0	0.0	
G145.0	5.1	5.6	5.1	6.3	0.0	0.0	0.0	0.0	5.1	
G146.0	5.6	6.3	5.3	6.8	0.0	0.0	0.0	0.0	5.6	
G147.0	6.0	6.8	6.0	7.3	0.0	0.0	0.0	0.0	6.0	

C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.991 m
Humidity: 58
Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	6.5	7.3	6.8	8.2	0.0	4.8	4.8	0.0	6.5	
G149.0	7.0	8.0	7.3	8.7	0.0	5.1	5.3	0.0	7.0	
G150.0	7.7	8.5	8.0	9.2	0.0	5.3	5.6	4.8	7.7	
G151.0	8.2	9.2	8.7	9.9	4.8	5.8	6.0	5.1	8.2	
G152.0	8.7	9.9	9.4	10.6	4.8	6.0	6.0	5.8	8.7	
G153.0	9.4	10.9	10.1	11.6	5.1	6.3	6.8	5.8	9.4	
G154.0	10.4	11.6	11.1	12.3	5.3	6.5	6.8	6.3	10.4	
G155.0	11.4	12.1	11.8	13.3	5.8	6.8	7.3	6.5	11.4	
G156.0	12.3	12.3	12.6	13.5	6.0	7.3	7.5	6.8	12.3	
G157.0	12.8	13.5	13.3	14.3	6.3	7.3	7.7	7.0	12.8	
G158.0	13.5	14.3	14.0	14.7	6.8	7.5	7.7	7.3	13.5	
G159.0	14.0	15.0	14.3	15.2	6.8	7.7	8.2	7.5	14.0	
G160.0	14.5	15.5	15.0	15.9	6.8	7.5	8.2	7.7	14.5	
G161.0	15.2	15.9	15.5	16.4	7.3	7.7	8.5	8.0	15.2	
G162.0	15.2	16.2	15.7	16.4	6.8	8.2	8.2	8.0	15.2	
G163.0	15.9	16.4	15.9	16.9	7.3	8.2	8.2	8.0	15.9	
G164.0	16.2	16.9	16.4	16.7	7.5	8.2	8.5	8.5	16.2	
G165.0	16.2	17.1	16.4	16.7	7.3	8.2	8.2	8.2	16.2	
G166.0	16.2	16.9	16.2	16.4	7.3	8.7	8.7	8.2	16.2	
G167.0	16.2	16.9	15.7	16.4	7.3	8.5	8.5	8.5	16.2	
G168.0	15.9	16.7	15.7	15.9	7.5	8.5	8.2	8.5	15.9	
G169.0	15.7	16.4	15.7	15.5	7.3	8.7	8.5	8.5	15.7	
G170.0	15.5	15.9	15.2	15.5	7.5	8.7	8.5	8.5	15.5	
G171.0	15.2	15.5	14.7	14.7	7.7	8.7	8.7	8.9	15.2	
G172.0	14.7	15.0	14.0	14.3	7.7	8.7	8.7	8.7	14.7	
G173.0	14.0	14.5	13.8	13.5	8.0	8.7	8.9	8.5	14.0	
G174.0	13.5	13.8	13.3	12.8	8.0	8.7	8.9	8.7	13.5	
G175.0	13.1	13.5	12.6	12.6	8.2	8.9	8.9	8.9	13.1	
G176.0	12.6	12.3	12.3	11.8	8.0	9.4	9.4	8.9	12.6	
G177.0	11.8	12.1	11.6	11.6	8.2	9.4	9.4	8.7	11.8	
G178.0	11.6	12.1	11.1	11.1	8.7	9.7	9.9	9.2	11.6	
G179.0	10.6	11.4	11.1	10.6	8.9	9.9	9.9	9.9	10.6	
G180.0	10.6	11.1	10.6	10.4	9.7	10.9	10.6	9.7	10.6	

C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.991 m
Humidity: 58
Inspector: