HAVIT COMMERCIAL
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E-mail:sales@havitcommercial.com.au

Report No.: 1 Test Time: 2019/3/28 17:08

Luminaire Property

Luminaire Manufacturer: HAVIT COMMERCIAL
Luminaire Description: HCP-8920704 + HCP-8930704 (5500K) Voltage: 220 V
Current: 0.037 A Power: 7.10 W
Power Factor: 0.874

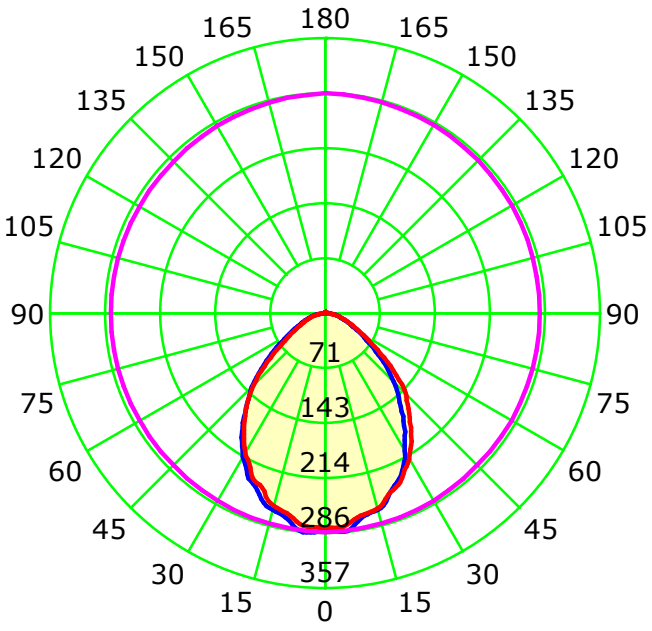
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 564.3 lm
Measurement Flux: 564.3 lm Efficiency: 100%
Downward Ratio: 99% Upward Ratio: 1%
Horizontal Diffuse Angle(50%): H85.5
Vertical Diffuse Angle(50%): V90.4
Luminaire Efficacy Rating (LER): 79.53 Central Intensity: 282.84 cd
Max. Intensity: 286.28 cd Pos of Max. Intensity: H180 V5
S/MH(C0/C180): 1.13 S/MH(C90/C270): 1.16

Picture Of Luminaire



Luminous Intensity Distribution Curve

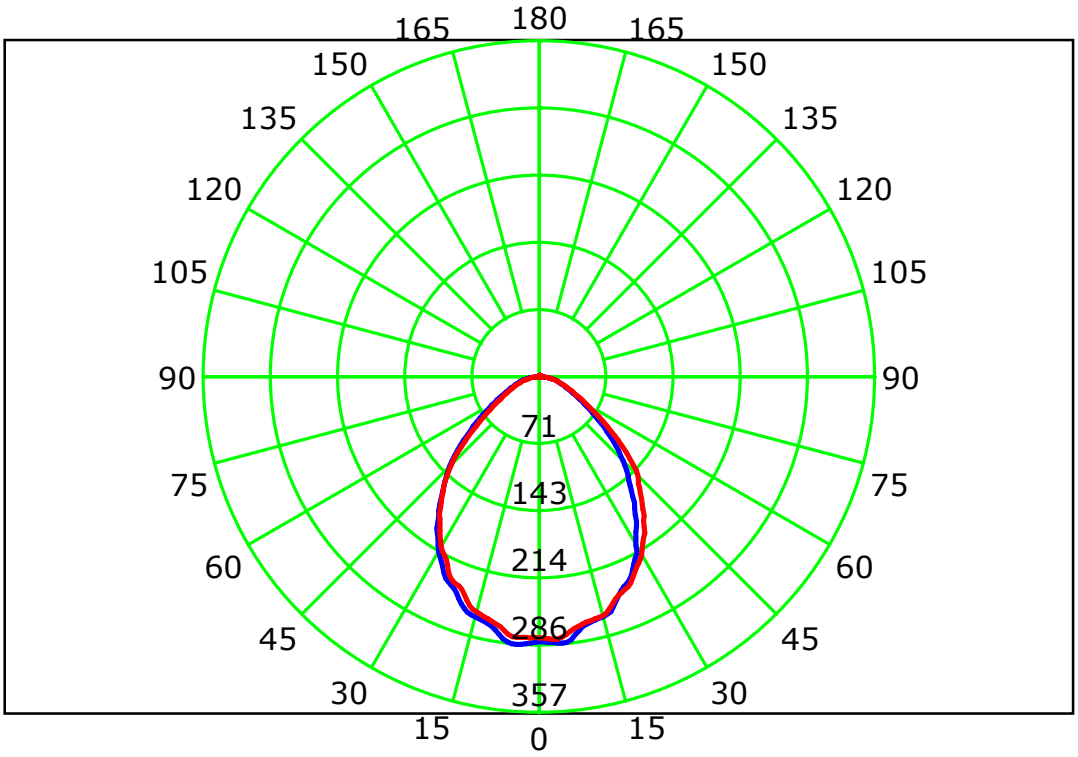


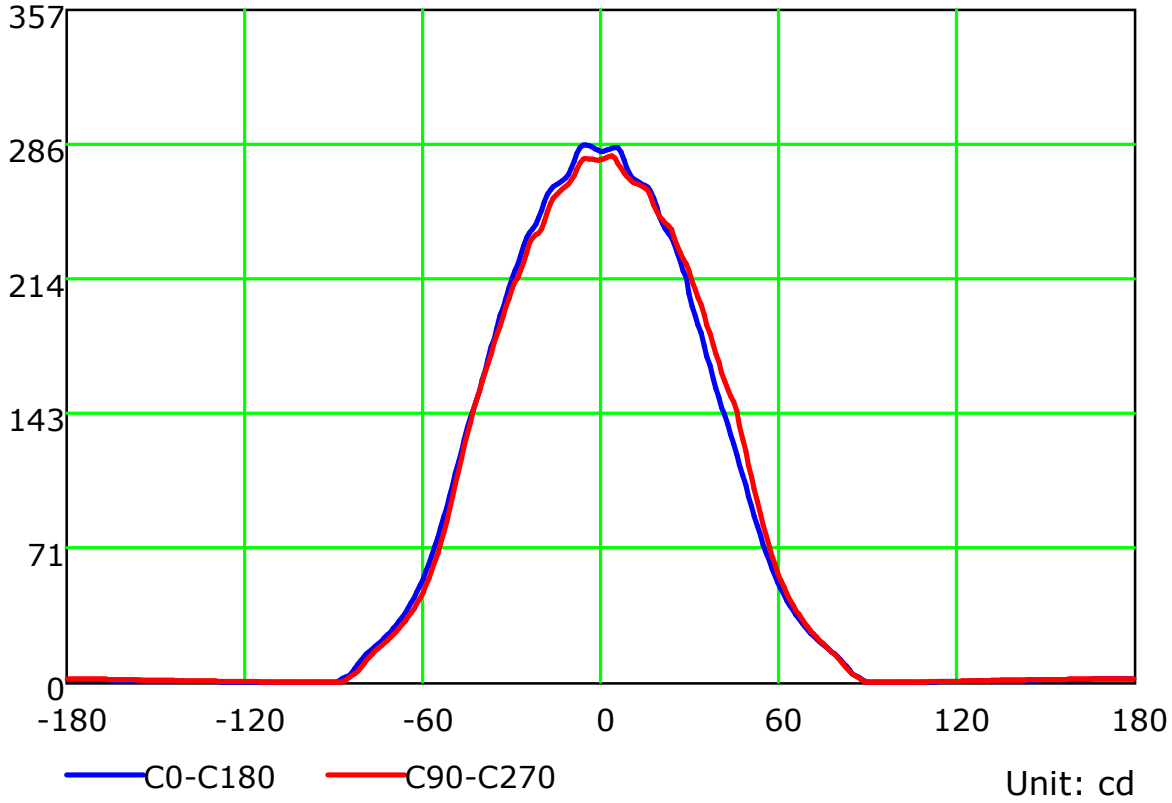
Unit: cd
Average Diffuse Angle(50%): 87.8°
C0-C180 C90-C270 G5

C Plane (°):0.0-360.0: 45.0 Gamma Plane (°):0.0-180.0:1.0
Test Lab: Inventfine instruments Test Device: GPM-1800B
Test Type: TYPE C Distance: 7.970 m
Temperature: 26 Humidity: 55
Operator: Jacky tang Inspector:

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Luminous Intensity Distribution Curve





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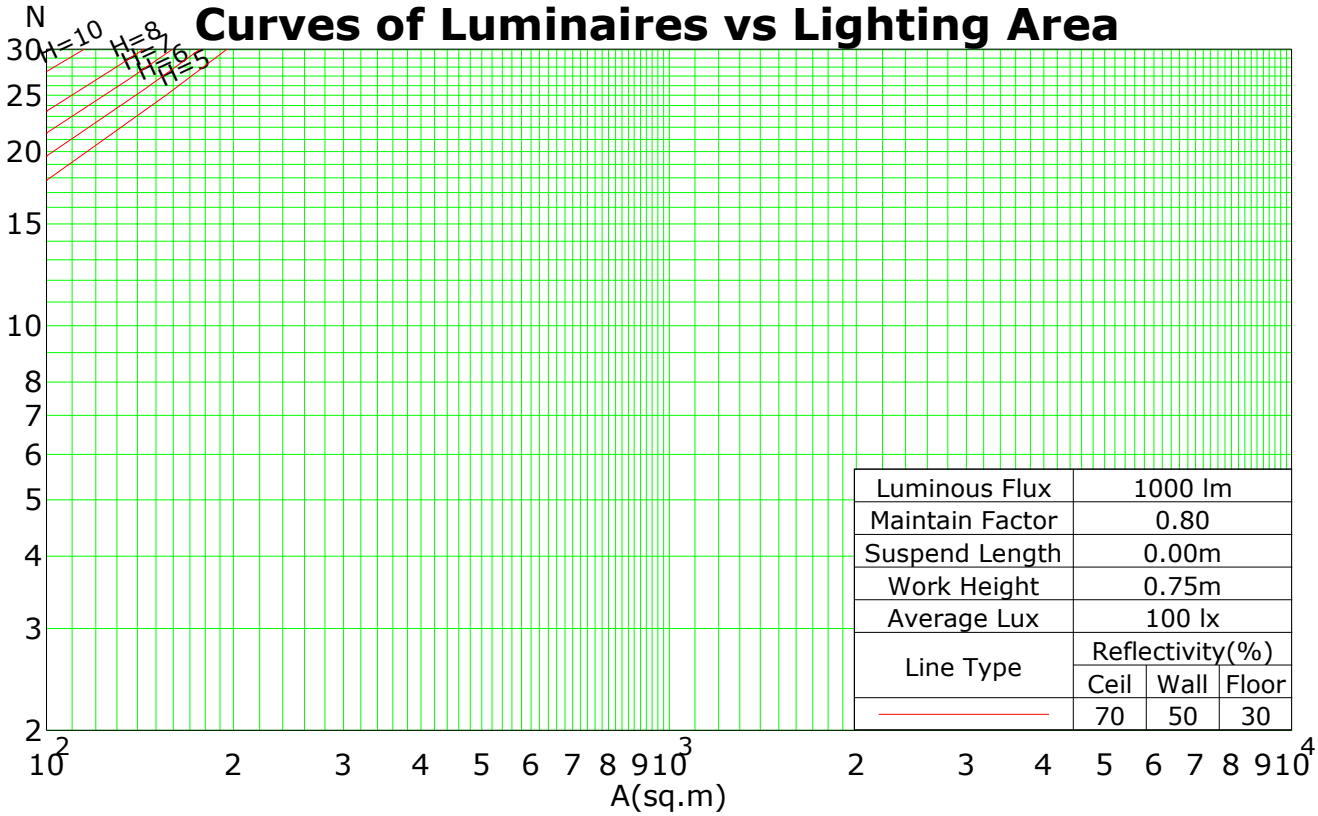
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Coefficients Of Utilization - Zonal Cavity Method

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	110	106	103	99	108	104	101	98	100	97	94	96	94	92	92	90	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	85	78	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65
4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	59	57
5	81	69	61	55	78	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	51	47	45
7	70	57	49	44	68	57	49	44	55	48	43	54	47	43	52	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	49	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	33
10	58	45	38	33	56	45	38	33	44	37	33	43	37	32	42	36	32	31

Spacing Criteria (0-180): 1.13
Spacing Criteria (90-270): 1.16
Spacing Criteria (Diagonal): 1.20

Curves of Luminaires vs Lighting Area

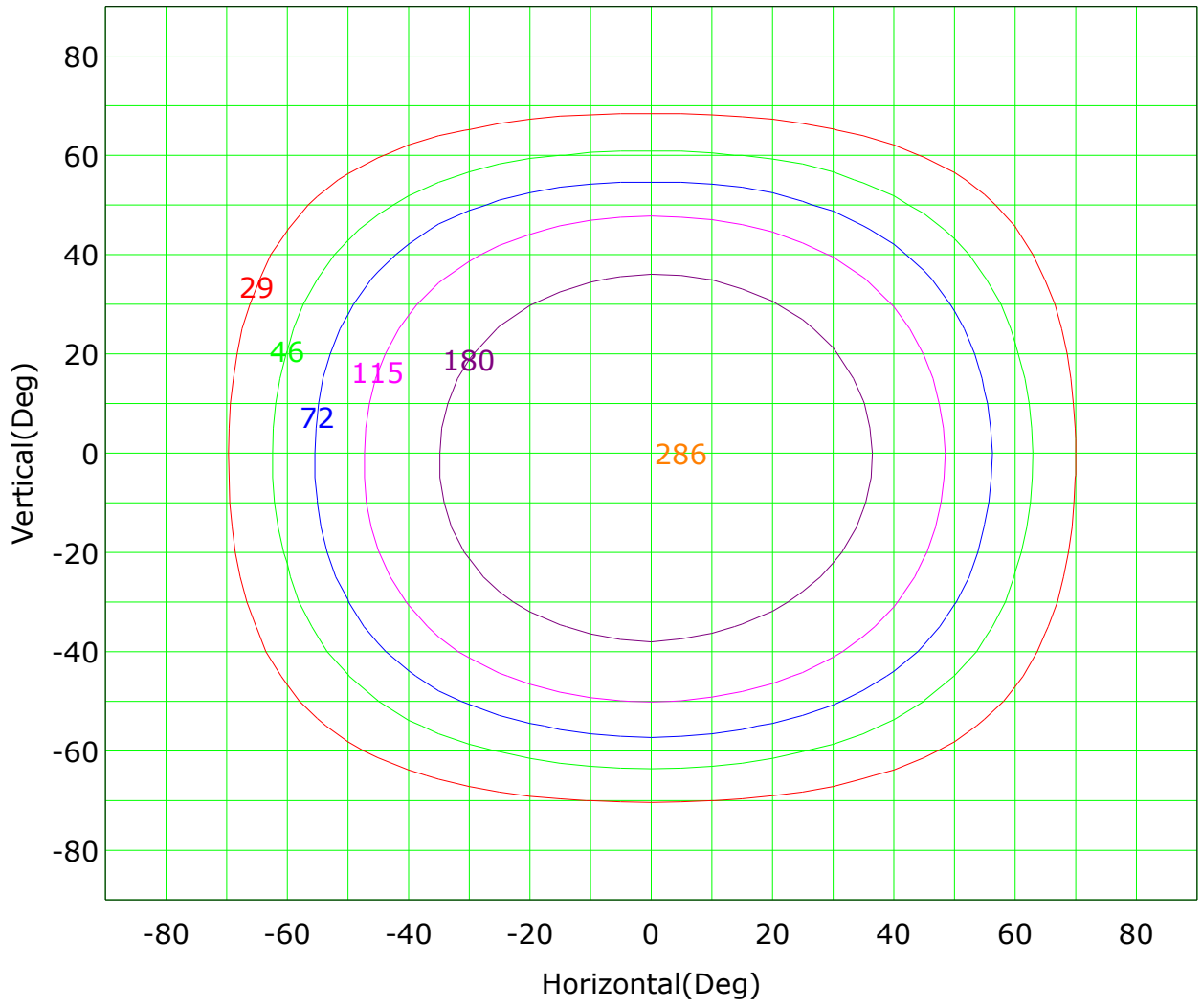


C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.970 m
Humidity: 55
Inspector:

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Isocandela (rectangle)



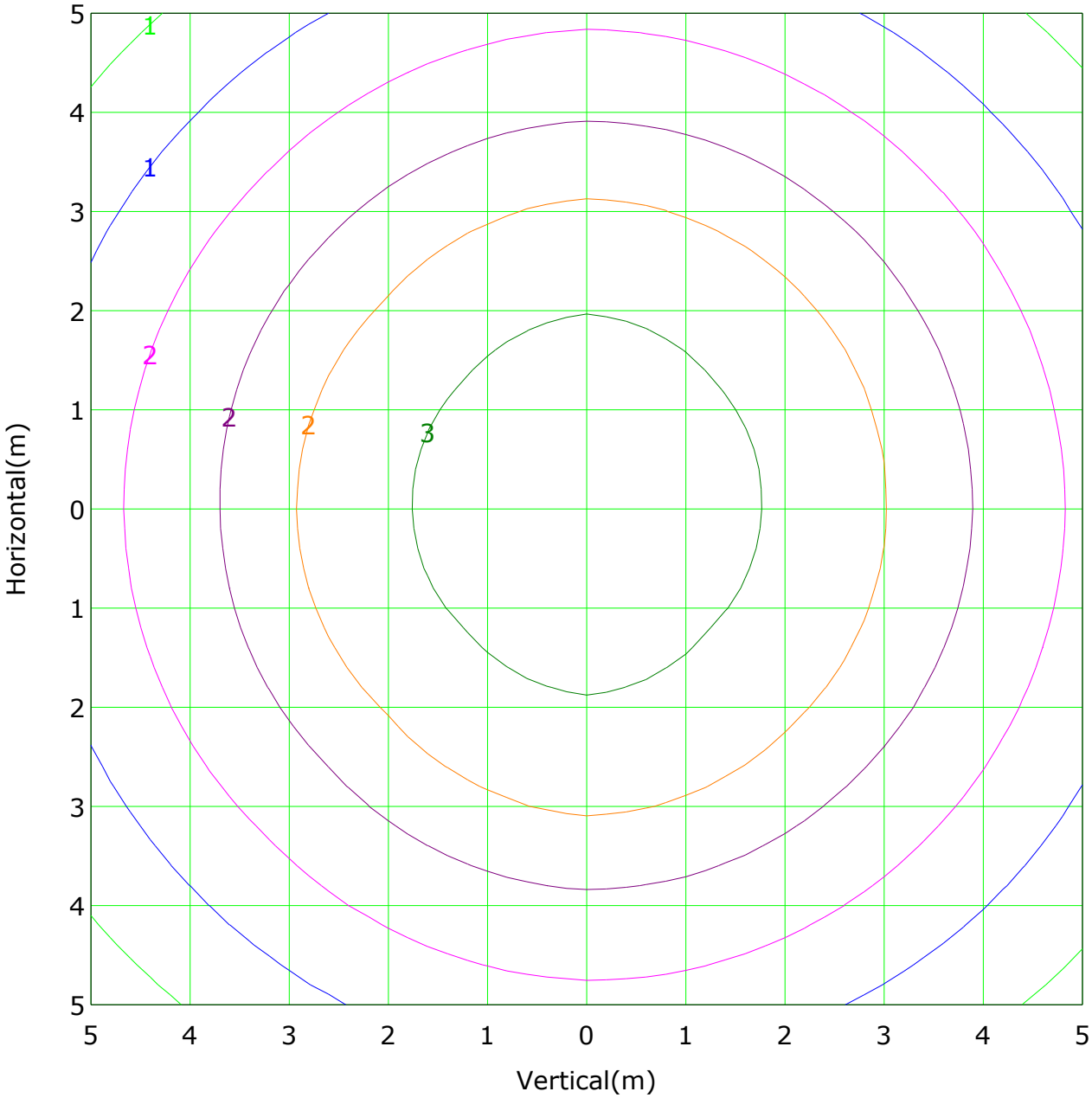
Imax (100%): 286 cd

(10%): 29 cd
(16%): 46 cd
(25%): 72 cd
(40%): 115 cd
(63%): 180 cd
(100%): 286 cd

C Plane (°):0.0-360.0: 45.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab: Inventfine instruments
Test Device: GPM-1800B
Test Type: TYPE C
Distance: 7.970 m
Temperature: 26
Humidity: 55
Operator: Jacky tang
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IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 2.8 lx

(30%): 0.9 lx	(40%): 1.1 lx
(50%): 1.4 lx	(60%): 1.7 lx
(70%): 2.0 lx	(80%): 2.3 lx
(90%): 2.6 lx	(100%): 2.8 lx
(120%): 3.4 lx	(150%): 4.3 lx

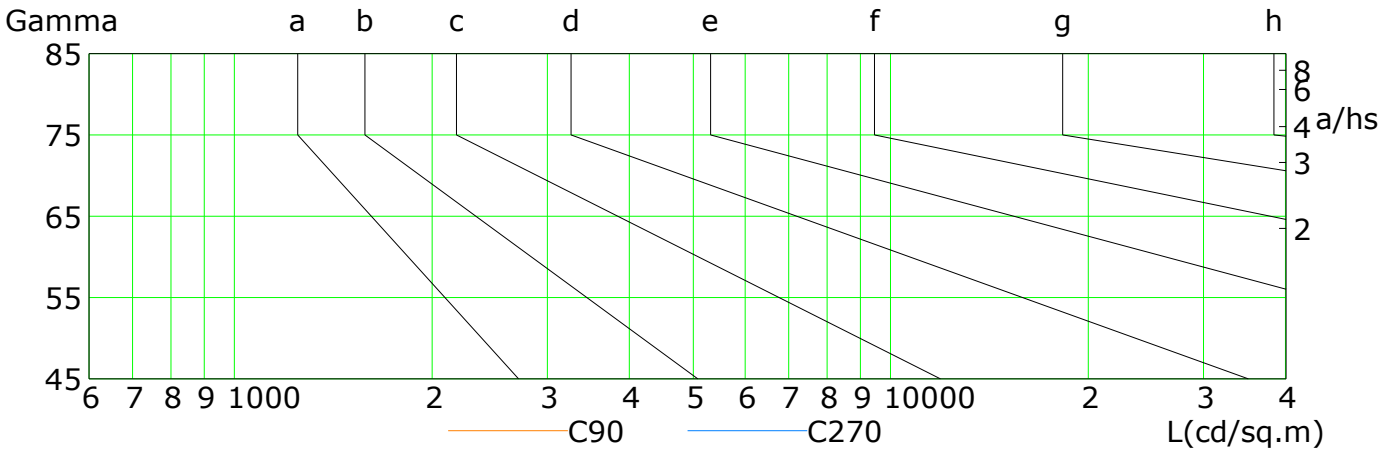
C Plane (°):0.0-360.0: 45.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

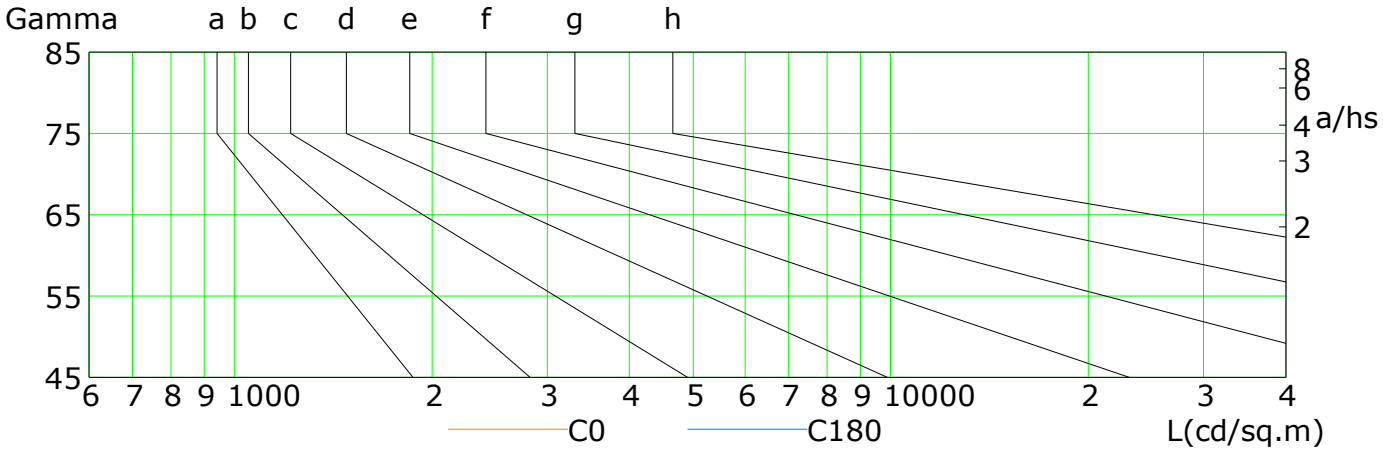
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.970 m
Humidity: 55
Inspector:

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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





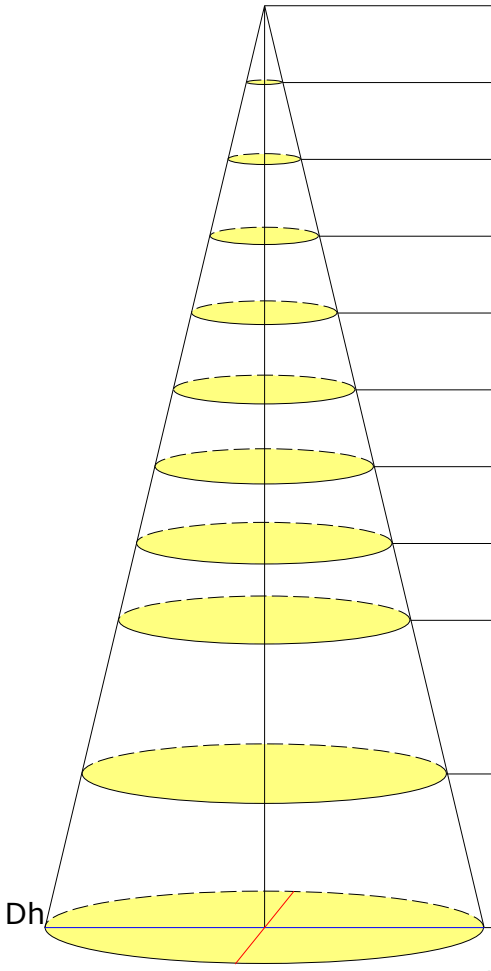
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	127	99	73	53	38	28	20	14	5
C90	149	116	84	58	41	29	21	13	4
C180	136	105	77	55	40	29	21	14	4
C270	132	99	69	48	35	25	18	10	3

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: 7.970 m
Humidity: 55
Inspector:

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Illuminance at a Distance



Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	282.84	1.84/2.01	3.0	72.26
2.0	70.71	3.68/4.02	11.9	18.06
3.0	31.43	5.53/6.03	26.7	8.03
4.0	17.68	7.37/8.04	47.5	4.52
5.0	11.31	9.21/10.05	74.2	2.89
6.0	7.86	11.05/12.06	106.9	2.01
7.0	5.77	12.90/14.07	145.5	1.47
8.0	4.42	14.74/16.08	190.0	1.13
10.0	2.83	18.42/20.10	296.9	0.72
12.0	1.96	22.11/24.12	427.5	0.50

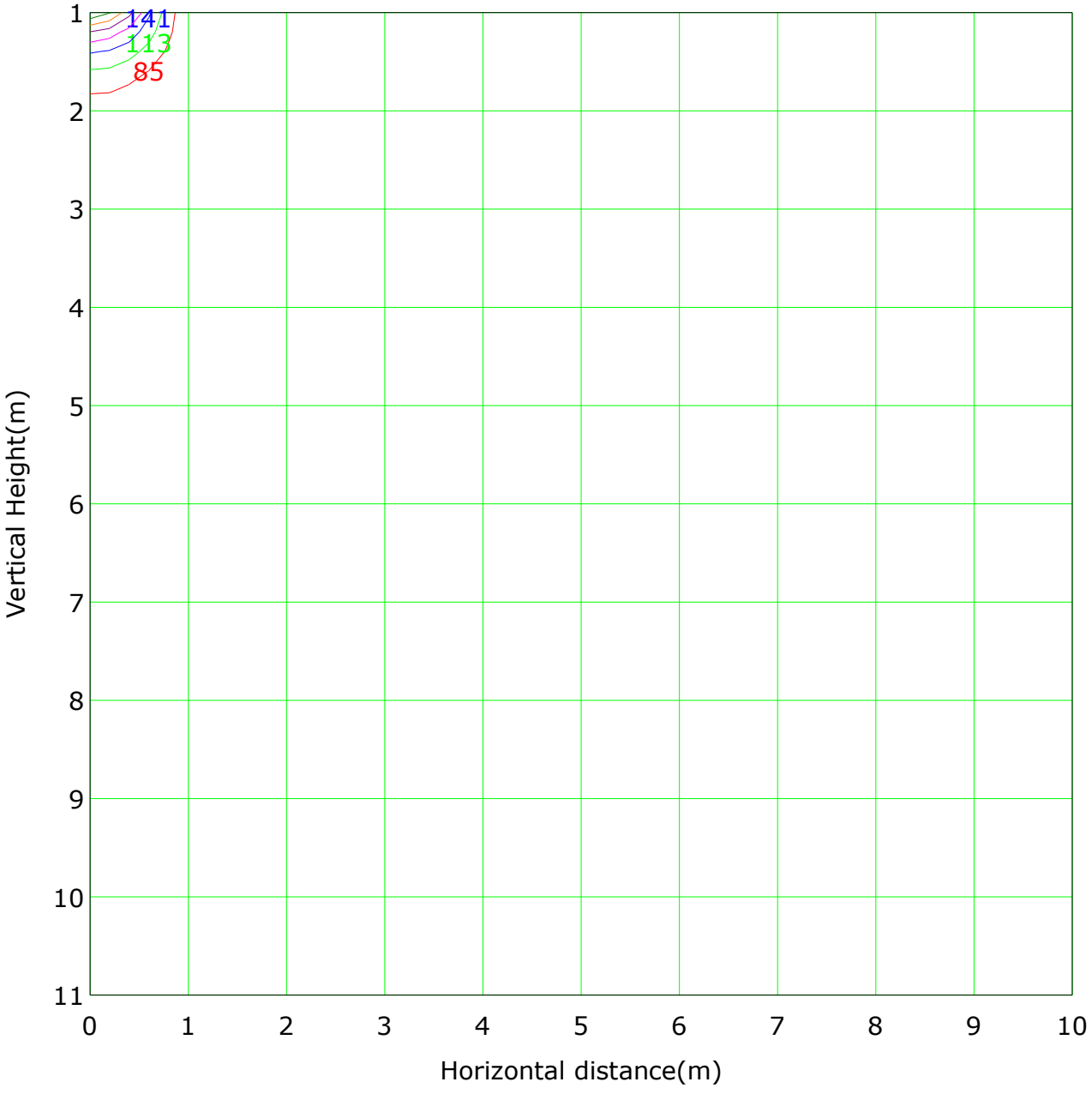
Beam Angle(B): H85.3 V90.3 Field Angle(F): H139.6 V139.2

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: 7.970 m
Humidity: 55
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Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 282.8 lx

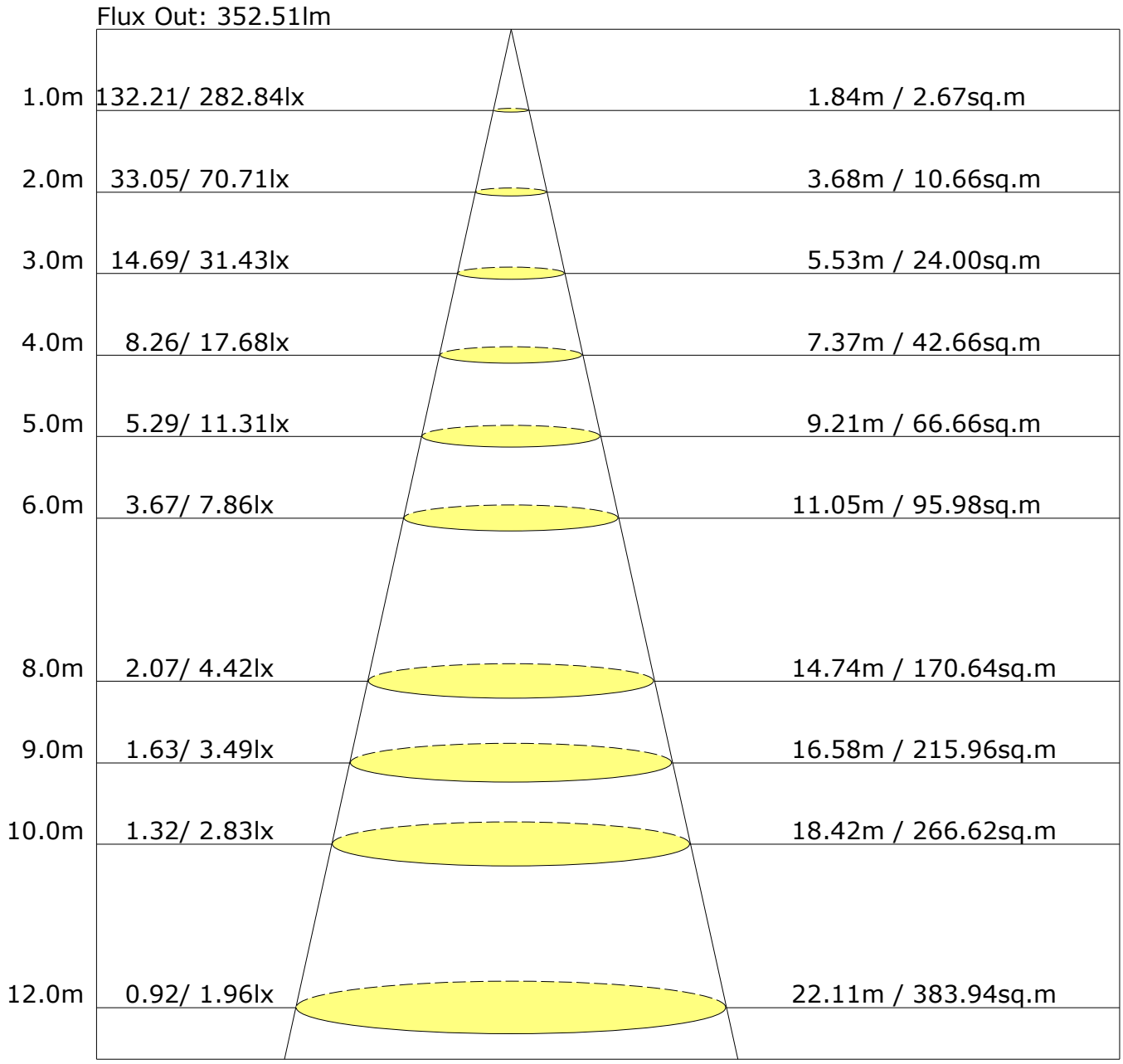
(30%): 84.9 lx	(40%): 113.1 lx
(50%): 141.4 lx	(60%): 169.7 lx
(70%): 198.0 lx	(80%): 226.3 lx
(90%): 254.6 lx	(100%): 282.8 lx
(120%): 339.4 lx	(150%): 424.3 lx

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: 7.970 m
Humidity: 55
Inspector:

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The Average Illuminance Effective Figure



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: 7.970 m
Humidity: 55
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	-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 564lm (8log(F/F0) = -2.0).

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: 7.970 m
Humidity: 55
Inspector:

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	282.8	277.4	278.1	278.6	282.8	277.4	278.1	278.6	282.8	
G1.0	282.8	277.7	278.6	279.1	283.3	277.6	278.1	278.6	282.8	
G2.0	283.3	278.5	279.2	279.8	284.1	278.0	278.3	278.8	283.3	
G3.0	283.9	279.4	280.0	280.7	285.2	278.6	278.5	279.3	283.9	
G4.0	284.5	280.3	280.2	281.5	285.6	279.2	278.7	279.6	284.5	
G5.0	284.9	280.1	278.9	281.5	286.3	279.6	279.0	279.8	284.9	
G6.0	284.6	278.3	276.3	279.6	286.2	279.6	278.5	279.3	284.6	
G7.0	282.3	275.2	273.8	276.4	284.9	278.4	276.6	277.2	282.3	
G8.0	277.9	271.8	271.2	272.9	281.8	275.7	273.3	273.2	277.9	
G9.0	274.0	268.8	269.2	270.5	277.7	271.7	269.7	269.4	274.0	
G10.0	270.4	266.9	267.7	268.8	273.6	268.4	267.5	266.5	270.4	
G11.0	268.5	265.7	266.5	267.5	270.6	265.7	265.4	264.4	268.5	
G12.0	267.2	264.8	265.6	266.6	268.5	263.8	263.8	262.9	267.2	
G13.0	266.4	264.0	264.9	265.9	267.1	262.3	262.5	261.6	266.4	
G14.0	265.4	263.4	264.2	265.3	266.0	261.0	261.2	260.4	265.4	
G15.0	264.6	262.7	263.4	264.6	265.0	259.6	259.6	258.8	264.6	
G16.0	263.7	261.2	261.8	263.3	263.8	257.8	257.9	256.7	263.7	
G17.0	261.7	258.0	258.7	260.6	262.4	255.5	255.0	253.4	261.7	
G18.0	257.9	254.0	254.2	256.8	259.9	252.3	250.6	248.7	257.9	
G19.0	253.0	250.3	250.7	252.4	255.7	248.4	245.3	244.2	253.0	
G20.0	248.1	247.0	248.1	249.0	251.2	244.9	241.4	241.0	248.1	
G21.0	244.4	244.2	246.2	246.4	247.1	241.4	239.1	238.5	244.4	
G22.0	241.6	242.3	244.6	244.3	243.8	238.9	238.3	236.3	241.6	
G23.0	239.2	240.4	243.0	242.2	241.3	236.3	236.7	234.0	239.2	
G24.0	236.6	238.1	241.0	240.0	239.3	233.6	234.0	231.2	236.6	
G25.0	233.7	234.4	236.7	236.0	236.9	229.6	229.1	226.9	233.7	
G26.0	228.5	229.7	232.4	231.0	232.7	224.5	223.8	221.3	228.5	
G27.0	223.6	225.4	228.4	226.4	227.2	220.3	219.2	216.5	223.6	
G28.0	219.0	221.7	225.6	222.8	222.8	217.9	215.6	213.8	219.0	
G29.0	215.4	218.4	222.8	219.6	219.0	214.6	213.1	211.3	215.4	
G30.0	207.0	215.0	219.2	216.2	215.3	210.8	209.7	206.5	207.0	
G31.0	200.4	209.8	213.6	210.4	210.0	205.0	204.5	200.5	200.4	
G32.0	195.0	204.6	209.0	205.0	204.3	199.5	199.9	195.4	195.0	
G33.0	190.3	200.5	205.0	200.5	199.7	195.5	195.2	191.0	190.3	
G34.0	186.2	196.5	201.4	196.9	195.6	192.3	189.5	186.9	186.2	
G35.0	179.2	190.8	195.7	191.0	188.8	185.4	185.0	180.9	179.2	
G36.0	173.2	185.3	190.1	184.7	182.9	180.6	181.2	175.8	173.2	

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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: 7.970 m
Humidity: 55
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	168.8	181.0	185.8	180.2	178.9	175.5	174.7	170.5	168.8	
G38.0	161.9	174.2	179.7	173.5	171.9	169.3	169.6	163.8	161.9	
G39.0	156.4	169.1	175.1	168.4	166.0	165.1	165.3	159.6	156.4	
G40.0	151.4	165.1	170.4	163.6	160.9	159.4	160.1	154.6	151.4	
G41.0	146.4	159.6	164.9	157.8	155.3	154.4	155.3	149.6	146.4	
G42.0	142.3	155.2	160.5	153.2	150.2	149.8	150.2	144.3	142.3	
G43.0	137.1	150.3	155.9	148.3	145.1	144.6	144.8	139.1	137.1	
G44.0	132.2	146.6	152.6	144.6	141.3	139.2	138.4	133.8	132.2	
G45.0	126.8	142.5	149.4	141.3	135.8	133.0	132.4	128.5	126.8	
G46.0	121.0	136.3	144.3	136.2	129.2	127.2	126.1	123.0	121.0	
G47.0	115.7	129.8	136.6	129.8	123.3	121.3	119.5	116.8	115.7	
G48.0	110.4	123.3	129.7	122.3	117.0	115.2	112.2	111.1	110.4	
G49.0	105.0	116.6	123.1	115.7	111.3	108.4	105.6	105.4	105.0	
G50.0	99.0	110.5	115.8	109.6	105.3	102.3	98.9	99.8	99.0	
G51.0	93.7	104.3	109.4	103.6	99.0	96.1	91.8	93.8	93.7	
G52.0	88.4	97.6	102.8	97.1	93.4	89.4	85.6	88.7	88.4	
G53.0	83.3	91.5	96.3	91.3	88.1	83.5	79.6	83.8	83.3	
G54.0	78.3	85.8	89.4	85.7	82.3	77.3	73.7	78.3	78.3	
G55.0	73.2	79.7	83.5	79.7	77.2	72.1	68.8	73.3	73.2	
G56.0	68.8	74.5	77.9	74.6	72.4	67.2	64.1	68.4	68.8	
G57.0	64.5	69.6	72.0	69.8	67.3	62.7	59.3	63.3	64.5	
G58.0	60.5	64.9	67.0	64.8	63.1	58.1	55.3	58.9	60.5	
G59.0	56.4	60.3	62.4	60.5	59.1	54.3	51.6	55.0	56.4	
G60.0	52.9	56.4	57.8	56.3	55.0	50.8	47.9	51.0	52.9	
G61.0	49.6	52.7	54.0	52.6	51.6	47.3	44.8	47.7	49.6	
G62.0	46.6	49.0	50.5	49.2	48.1	44.4	42.1	44.7	46.6	
G63.0	43.4	45.9	47.2	45.8	45.2	41.7	39.3	41.7	43.4	
G64.0	40.7	43.1	43.9	42.9	42.4	39.0	37.0	39.2	40.7	
G65.0	38.2	40.4	41.1	40.2	39.5	36.7	34.8	36.8	38.2	
G66.0	35.9	37.7	38.5	37.7	37.1	34.3	32.6	34.4	35.9	
G67.0	33.8	35.4	36.2	35.3	34.6	32.2	30.7	32.3	33.8	
G68.0	31.6	33.3	33.7	32.9	32.6	30.3	28.9	30.3	31.6	
G69.0	29.7	31.0	31.5	30.9	30.6	28.5	27.0	28.3	29.7	
G70.0	27.9	29.1	29.4	29.0	28.8	26.6	25.5	26.6	27.9	
G71.0	26.2	27.3	27.5	27.1	26.8	25.0	24.0	25.0	26.2	
G72.0	24.6	25.5	25.8	25.3	25.2	23.5	22.4	23.5	24.6	
G73.0	23.0	23.8	24.1	23.7	23.7	22.0	21.0	22.0	23.0	

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: 7.970 m
Humidity: 55
Inspector:

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
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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	21.6	22.2	22.4	22.1	22.1	20.6	19.7	20.7	21.6	
G75.0	20.3	20.8	20.9	20.7	20.7	19.2	18.1	19.4	20.3	
G76.0	19.0	19.2	19.4	19.3	19.3	17.8	16.8	17.8	19.0	
G77.0	17.7	17.9	17.8	17.8	17.8	16.4	15.2	16.5	17.7	
G78.0	16.3	16.5	16.3	16.4	16.4	14.8	13.6	15.1	16.3	
G79.0	15.1	15.1	14.9	15.0	15.0	13.1	11.8	13.7	15.1	
G80.0	13.6	13.7	13.4	13.5	13.5	11.2	9.8	11.8	13.6	
G81.0	12.1	12.0	11.4	11.5	11.5	9.1	7.7	9.8	12.1	
G82.0	10.4	10.0	9.6	9.5	9.6	6.8	5.9	7.6	10.4	
G83.0	8.7	7.9	7.7	7.4	7.5	5.1	4.6	5.6	8.7	
G84.0	6.8	5.8	5.8	5.4	5.1	4.2	3.7	4.5	6.8	
G85.0	4.6	4.4	4.5	4.2	3.5	3.4	2.6	3.8	4.6	
G86.0	3.5	3.5	3.6	3.6	3.0	2.0	1.3	2.6	3.5	
G87.0	2.8	2.8	2.7	2.6	2.1	0.7	0.4	0.9	2.8	
G88.0	1.9	1.5	1.5	1.2	1.1	0.1	0.1	0.3	1.9	
G89.0	0.8	0.4	0.6	0.4	0.1	0.0	0.1	0.1	0.8	
G90.0	0.0	0.2	0.3	0.2	0.0	0.0	0.1	0.1	0.0	
G91.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	
G92.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
G93.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	
G94.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	
G95.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	
G96.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	
G97.0	0.0	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.0	
G98.0	0.0	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.0	
G99.0	0.0	0.2	0.2	0.2	0.0	0.0	0.1	0.1	0.0	
G100.0	0.0	0.1	0.2	0.2	0.0	0.0	0.1	0.1	0.0	
G101.0	0.0	0.2	0.2	0.2	0.0	0.1	0.1	0.1	0.0	
G102.0	0.0	0.2	0.2	0.2	0.0	0.1	0.1	0.2	0.0	
G103.0	0.0	0.2	0.2	0.2	0.0	0.1	0.2	0.2	0.0	
G104.0	0.1	0.2	0.2	0.2	0.0	0.1	0.2	0.1	0.1	
G105.0	0.1	0.3	0.3	0.3	0.0	0.1	0.2	0.2	0.1	
G106.0	0.1	0.3	0.3	0.3	0.0	0.1	0.2	0.2	0.1	
G107.0	0.1	0.3	0.3	0.3	0.0	0.1	0.2	0.2	0.1	
G108.0	0.2	0.3	0.3	0.3	0.0	0.2	0.2	0.2	0.2	
G109.0	0.2	0.3	0.3	0.3	0.0	0.2	0.2	0.2	0.2	
G110.0	0.2	0.3	0.3	0.4	0.0	0.2	0.3	0.2	0.2	

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: 7.970 m
Humidity: 55
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	0.2	0.4	0.4	0.4	0.0	0.2	0.3	0.3	0.2	
G112.0	0.3	0.4	0.4	0.4	0.0	0.2	0.3	0.3	0.3	
G113.0	0.3	0.4	0.4	0.4	0.1	0.3	0.3	0.3	0.3	
G114.0	0.4	0.4	0.5	0.5	0.0	0.3	0.3	0.3	0.4	
G115.0	0.4	0.5	0.5	0.5	0.0	0.3	0.3	0.3	0.4	
G116.0	0.4	0.5	0.6	0.5	0.0	0.3	0.4	0.3	0.4	
G117.0	0.5	0.5	0.6	0.6	0.1	0.3	0.4	0.4	0.5	
G118.0	0.5	0.6	0.6	0.6	0.1	0.4	0.4	0.4	0.5	
G119.0	0.5	0.6	0.6	0.6	0.1	0.4	0.4	0.4	0.5	
G120.0	0.6	0.7	0.6	0.7	0.1	0.4	0.5	0.4	0.6	
G121.0	0.6	0.6	0.7	0.7	0.2	0.4	0.5	0.5	0.6	
G122.0	0.6	0.7	0.7	0.7	0.2	0.4	0.5	0.5	0.6	
G123.0	0.6	0.7	0.8	0.8	0.3	0.5	0.6	0.4	0.6	
G124.0	0.7	0.8	0.8	0.8	0.3	0.5	0.6	0.6	0.7	
G125.0	0.7	0.8	0.8	0.9	0.3	0.5	0.6	0.6	0.7	
G126.0	0.7	0.9	0.9	0.9	0.3	0.6	0.6	0.6	0.7	
G127.0	0.8	0.9	0.9	0.9	0.3	0.6	0.6	0.6	0.8	
G128.0	0.8	0.9	0.9	0.9	0.3	0.6	0.6	0.6	0.8	
G129.0	0.8	0.9	0.9	1.0	0.4	0.6	0.6	0.6	0.8	
G130.0	0.9	0.9	1.0	1.0	0.4	0.6	0.7	0.7	0.9	
G131.0	0.9	1.0	1.0	1.0	0.4	0.6	0.7	0.7	0.9	
G132.0	0.9	1.1	1.1	1.1	0.4	0.6	0.7	0.7	0.9	
G133.0	1.0	1.1	1.1	1.1	0.4	0.7	0.7	0.8	1.0	
G134.0	1.0	1.1	1.1	1.1	0.4	0.7	0.8	0.8	1.0	
G135.0	1.0	1.1	1.1	1.2	0.5	0.7	0.8	0.8	1.0	
G136.0	1.1	1.1	1.1	1.2	0.5	0.8	0.8	0.8	1.1	
G137.0	1.1	1.2	1.2	1.2	0.6	0.8	0.9	0.8	1.1	
G138.0	1.1	1.2	1.2	1.3	0.6	0.8	0.9	0.9	1.1	
G139.0	1.2	1.3	1.2	1.3	0.6	0.9	0.9	0.9	1.2	
G140.0	1.2	1.3	1.2	1.3	0.6	0.9	1.0	0.9	1.2	
G141.0	1.2	1.3	1.3	1.3	0.7	0.9	1.0	0.9	1.2	
G142.0	1.2	1.3	1.3	1.4	0.7	0.9	1.0	1.0	1.2	
G143.0	1.3	1.4	1.3	1.4	0.7	1.0	1.0	1.0	1.3	
G144.0	1.3	1.4	1.4	1.4	0.7	1.0	1.0	1.1	1.3	
G145.0	1.3	1.4	1.4	1.5	0.8	1.0	1.0	1.1	1.3	
G146.0	1.3	1.4	1.4	1.5	0.7	1.1	1.1	1.1	1.3	
G147.0	1.4	1.5	1.5	1.5	0.8	1.1	1.1	1.1	1.4	

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: 7.970 m
Humidity: 55
Inspector:

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
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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	1.4	1.5	1.5	1.5	0.8	1.1	1.1	1.2	1.4	
G149.0	1.4	1.5	1.5	1.6	0.8	1.1	1.2	1.2	1.4	
G150.0	1.4	1.5	1.6	1.6	0.9	1.1	1.2	1.3	1.4	
G151.0	1.4	1.5	1.5	1.6	0.9	1.2	1.2	1.3	1.4	
G152.0	1.5	1.5	1.6	1.6	0.9	1.2	1.2	1.3	1.5	
G153.0	1.5	1.6	1.6	1.6	0.9	1.2	1.3	1.3	1.5	
G154.0	1.5	1.6	1.6	1.6	1.0	1.3	1.3	1.3	1.5	
G155.0	1.6	1.6	1.6	1.7	1.0	1.3	1.3	1.4	1.6	
G156.0	1.6	1.6	1.6	1.7	1.0	1.3	1.4	1.4	1.6	
G157.0	1.6	1.7	1.7	1.7	1.1	1.3	1.4	1.5	1.6	
G158.0	1.6	1.7	1.7	1.7	1.1	1.4	1.4	1.5	1.6	
G159.0	1.6	1.7	1.7	1.8	1.1	1.4	1.4	1.5	1.6	
G160.0	1.6	1.8	1.7	1.8	1.2	1.4	1.4	1.6	1.6	
G161.0	1.6	1.8	1.8	1.8	1.2	1.5	1.5	1.6	1.6	
G162.0	1.7	1.8	1.8	1.8	1.3	1.5	1.6	1.6	1.7	
G163.0	1.7	1.8	1.8	1.8	1.3	1.5	1.6	1.6	1.7	
G164.0	1.7	1.8	1.8	1.8	1.3	1.5	1.6	1.7	1.7	
G165.0	1.7	1.8	1.8	1.8	1.4	1.6	1.7	1.7	1.7	
G166.0	1.7	1.8	1.9	1.8	1.4	1.6	1.7	1.7	1.7	
G167.0	1.8	1.8	1.9	1.9	1.4	1.7	1.7	1.8	1.8	
G168.0	1.8	1.8	1.9	1.9	1.5	1.7	1.8	1.8	1.8	
G169.0	1.8	1.8	1.8	1.9	1.5	1.7	1.8	1.8	1.8	
G170.0	1.8	1.9	1.9	1.9	1.6	1.7	1.8	1.8	1.8	
G171.0	1.8	1.9	1.9	1.9	1.6	1.8	1.8	1.9	1.8	
G172.0	1.8	1.9	1.9	1.9	1.6	1.8	1.8	1.9	1.8	
G173.0	1.8	1.9	1.9	1.9	1.6	1.8	1.9	1.9	1.8	
G174.0	1.8	1.9	2.0	1.9	1.7	1.8	1.9	1.9	1.8	
G175.0	1.8	1.9	1.9	2.0	1.6	1.8	1.9	1.9	1.8	
G176.0	1.8	1.9	1.9	1.9	1.6	1.9	1.9	2.0	1.8	
G177.0	1.8	1.9	1.9	1.9	1.7	1.9	1.9	2.0	1.8	
G178.0	1.9	1.9	1.9	1.9	1.6	1.9	1.9	2.0	1.9	
G179.0	1.8	1.9	1.9	1.9	1.7	1.9	1.9	2.0	1.8	
G180.0	1.9	1.9	1.9	1.9	1.7	1.9	1.9	2.0	1.9	

C Plane (°):0.0-360.0: 45.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab: Inventfine instruments
Test Device: GPM-1800B
Test Type: TYPE C
Distance: 7.970 m
Temperature: 26
Humidity: 55
Operator: Jacky tang
Inspector: