



Tel:
Fax:

Report No.: 5+6寸-D-11W-5CCT-T24

Test Time: 2020-08-15 09:59

Luminaire Property

Luminaire Manufacturer:
Lamp Catalog: LED
Voltage: 120.0 V
Power: 11.23 W

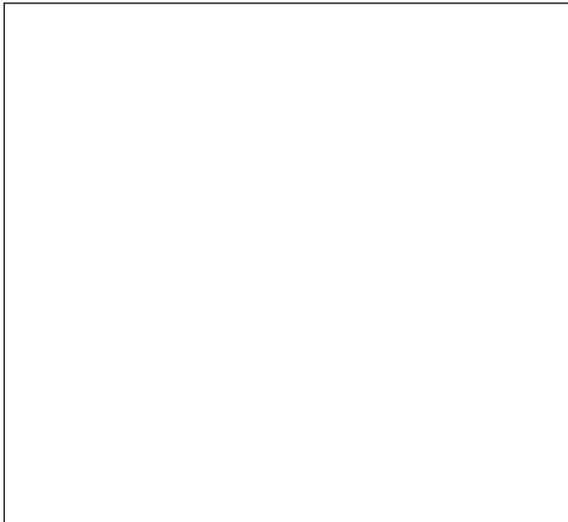
Lamp Description: LED
Current: 0.095 A
Power Factor: 0.983

Photometric Results

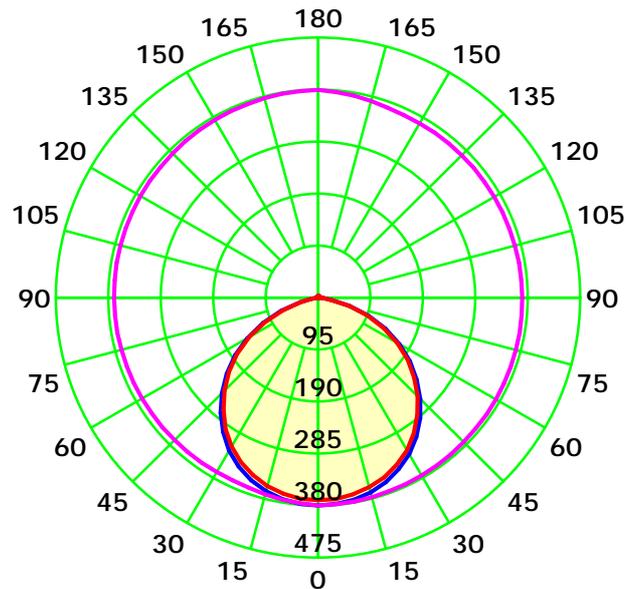
CIE Class: Direct
Measurement Flux: 1027.2 lm
Downward Ratio: 99%
Field Angle: H152.5 V152.5
Luminaire Efficacy Rating (LER): 91
Max. Intensity: 380.02 cd

Total Rated Lamp Lumens: 1027.2 lm
Efficiency: 100%
Upward Ratio: 1%
Beam Angle: H111.0 V111.1
Central Intensity: 380.02 cd
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 111.1° Unit: cd

— C0-C180 — C90-C270 — G0

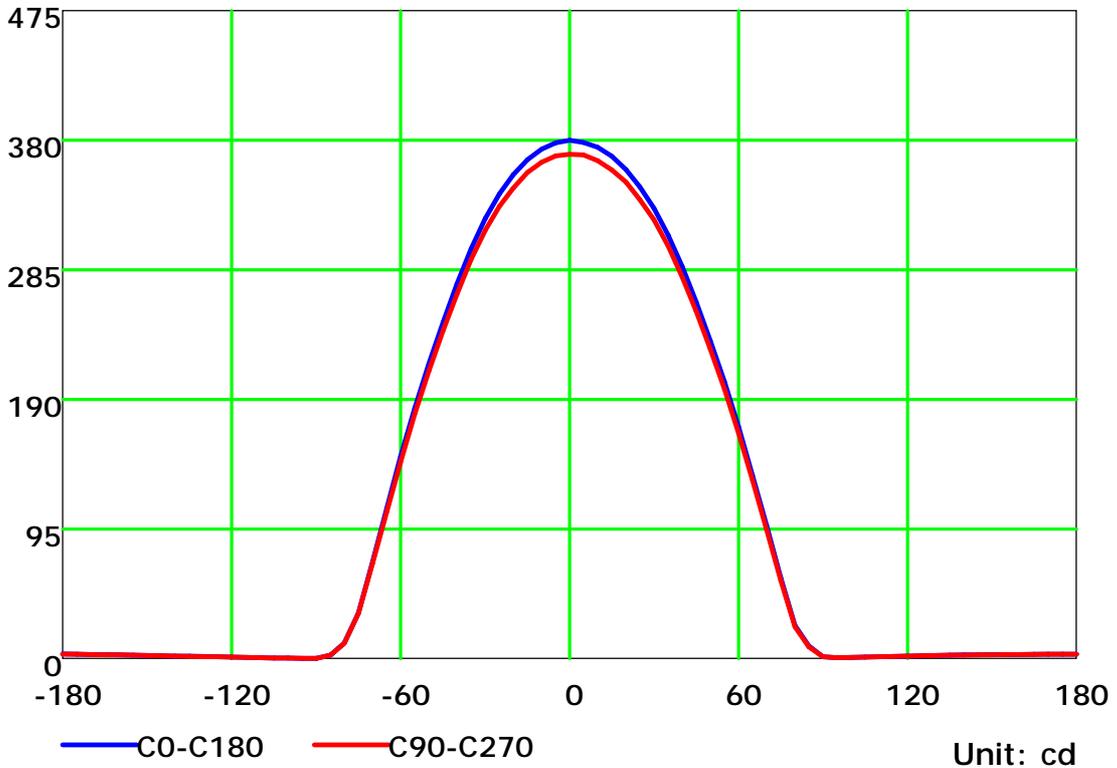
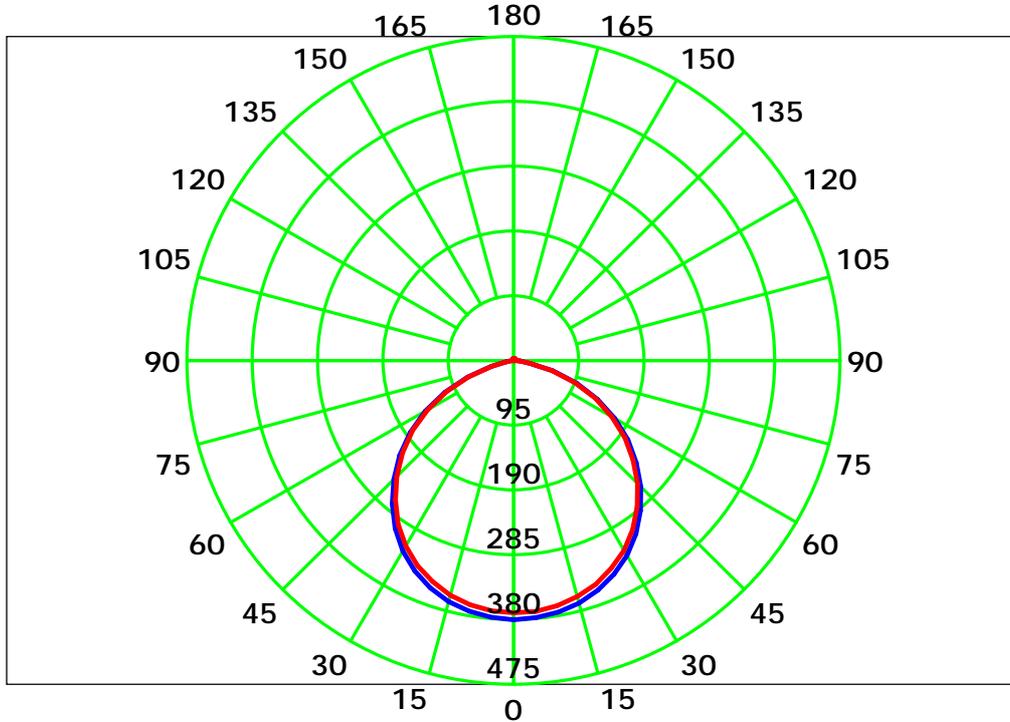
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 6.361 m
Humidity: 56%
Inspector:



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Luminous Intensity Distribution Curve



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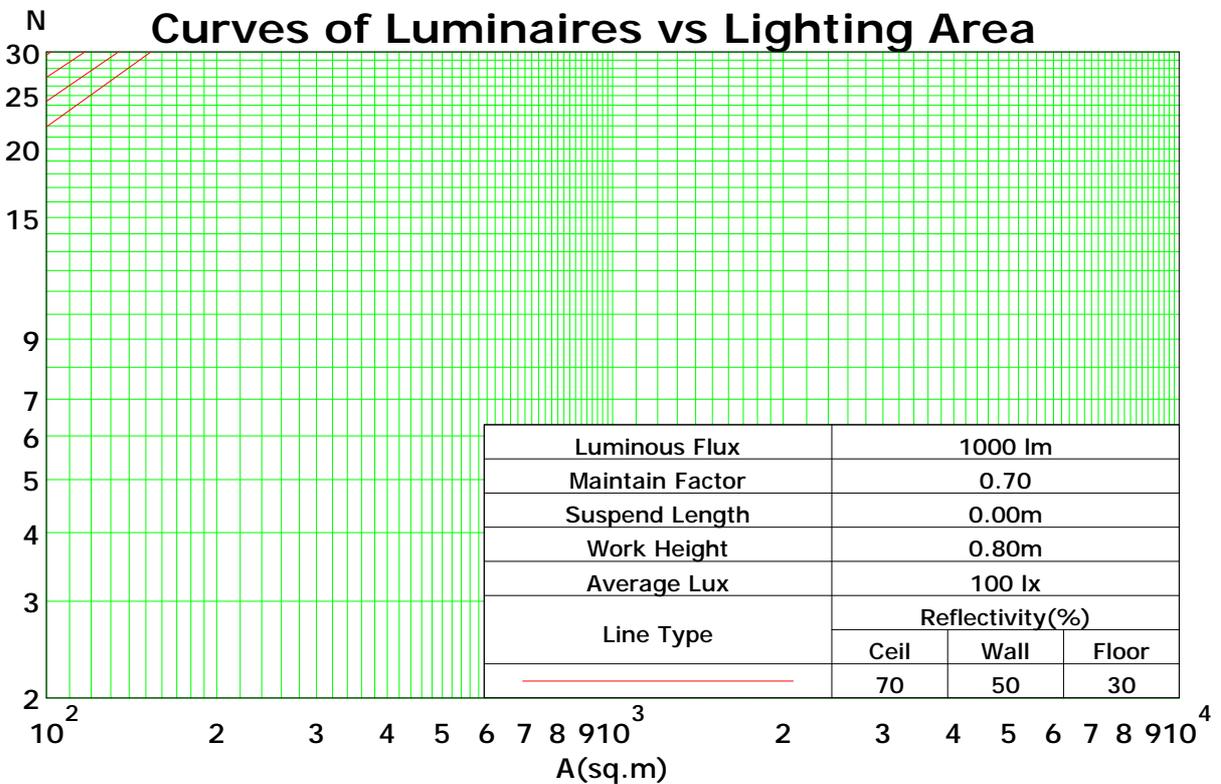


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Coefficients Of Utilization - Zonal Cavity Method

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	109	105	101	97	107	102	99	96	98	95	92	94	92	89	90	88	87	84
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	65	59	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	51	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	48	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

Spacing Criteria (0-180): 1.27
 Spacing Criteria (90-270): 1.27
 Spacing Criteria (Diagonal): 1.36



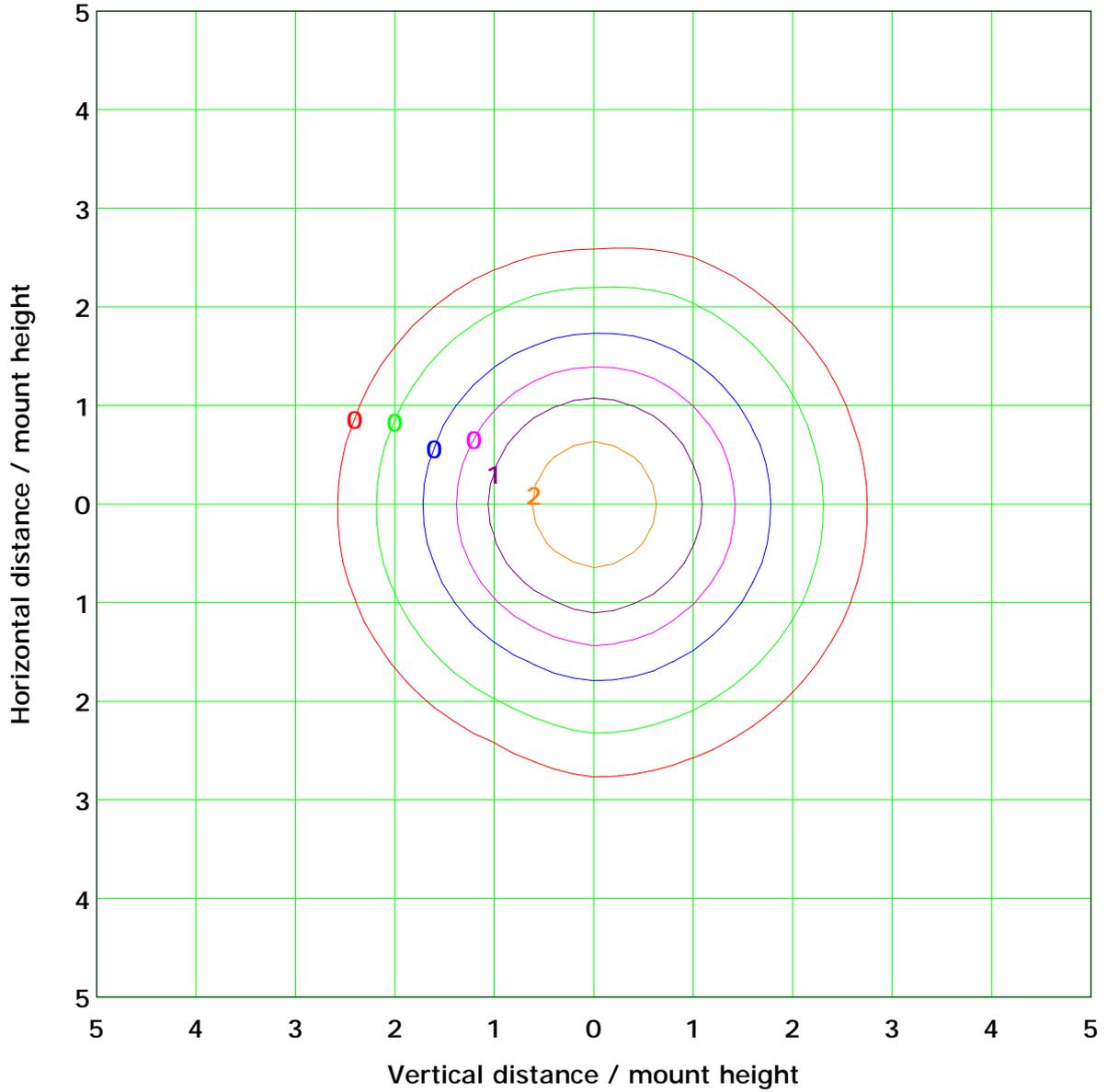
C Plane (°):0.0-360.0: 22.5
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IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.8 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.8 lx	(50%): 1.9 lx
(100%): 3.8 lx	

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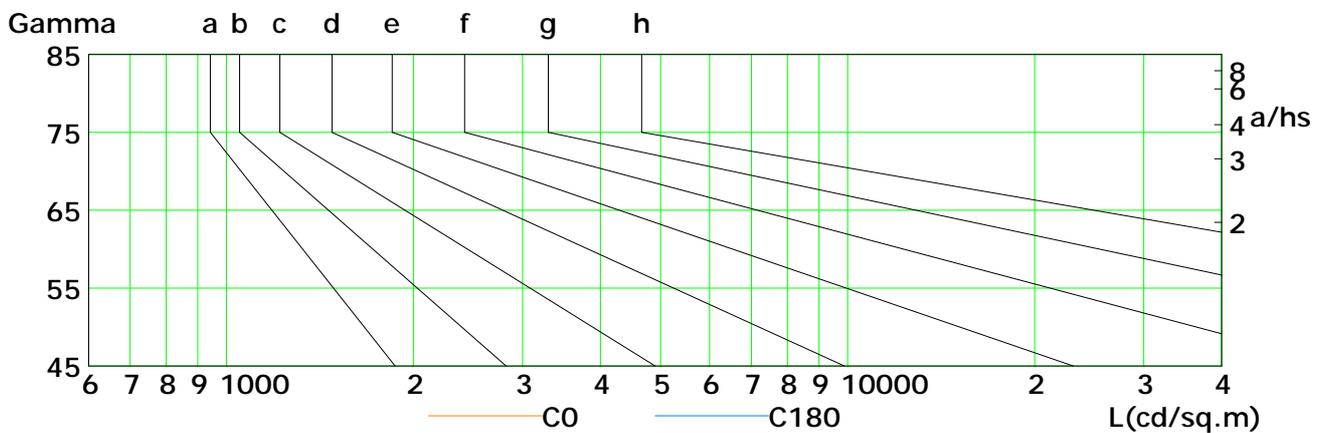
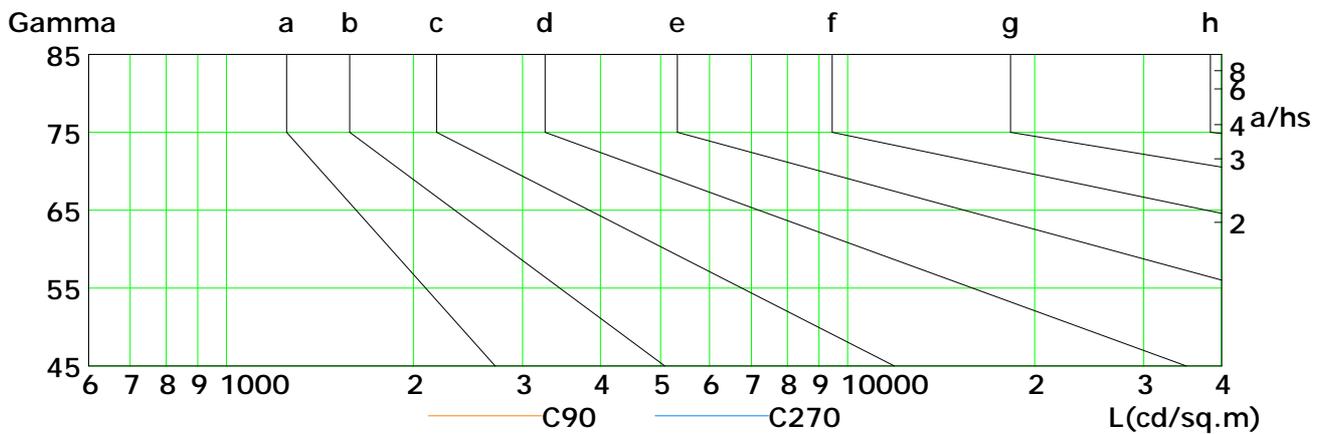


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Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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	262	233	203	170	134	98	59	25	9
C90	255	227	198	165	131	95	57	24	9
C180	247	217	184	148	110	71	34	12	3
C270	241	211	179	144	108	70	33	11	3

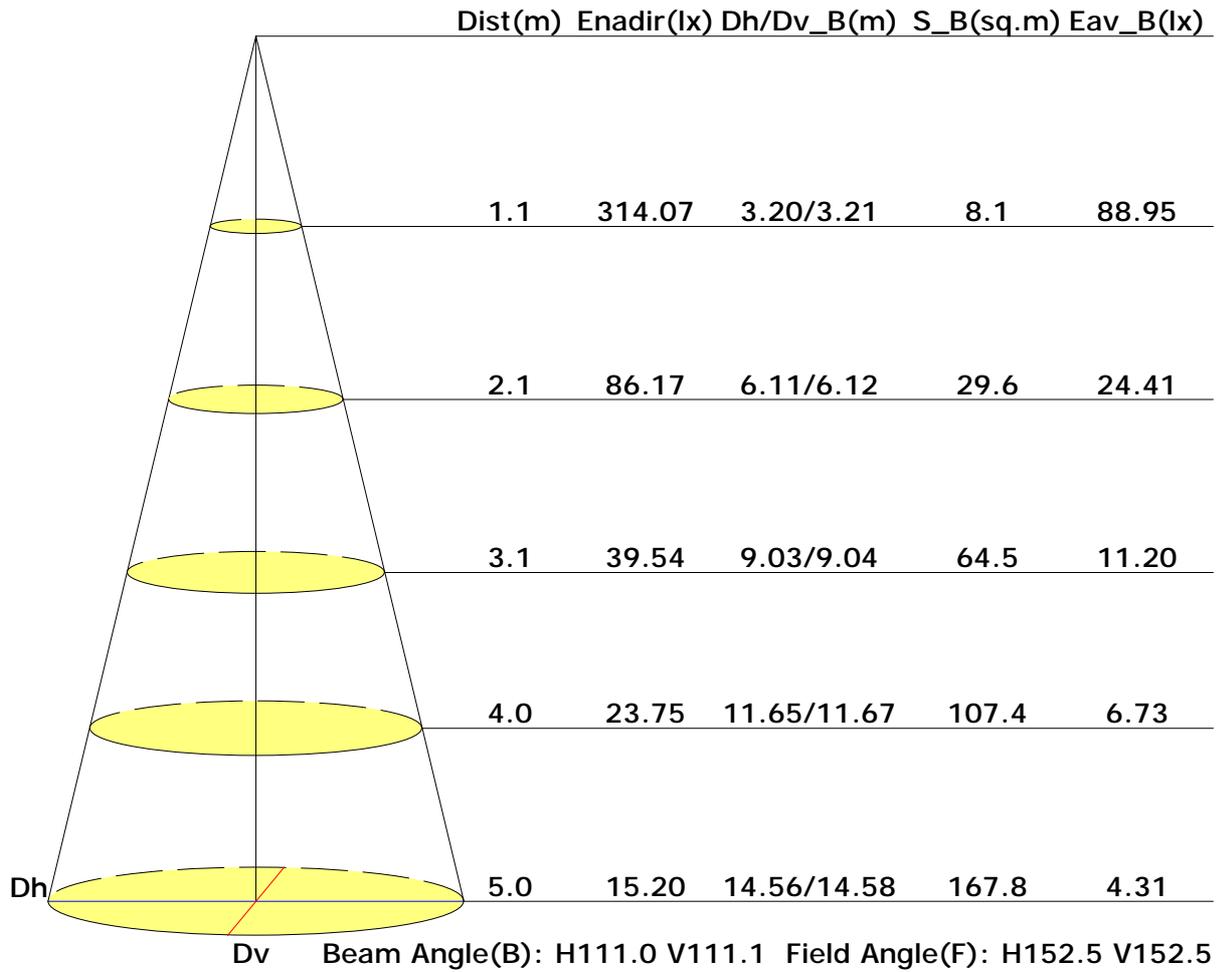
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Illuminance at a Distance



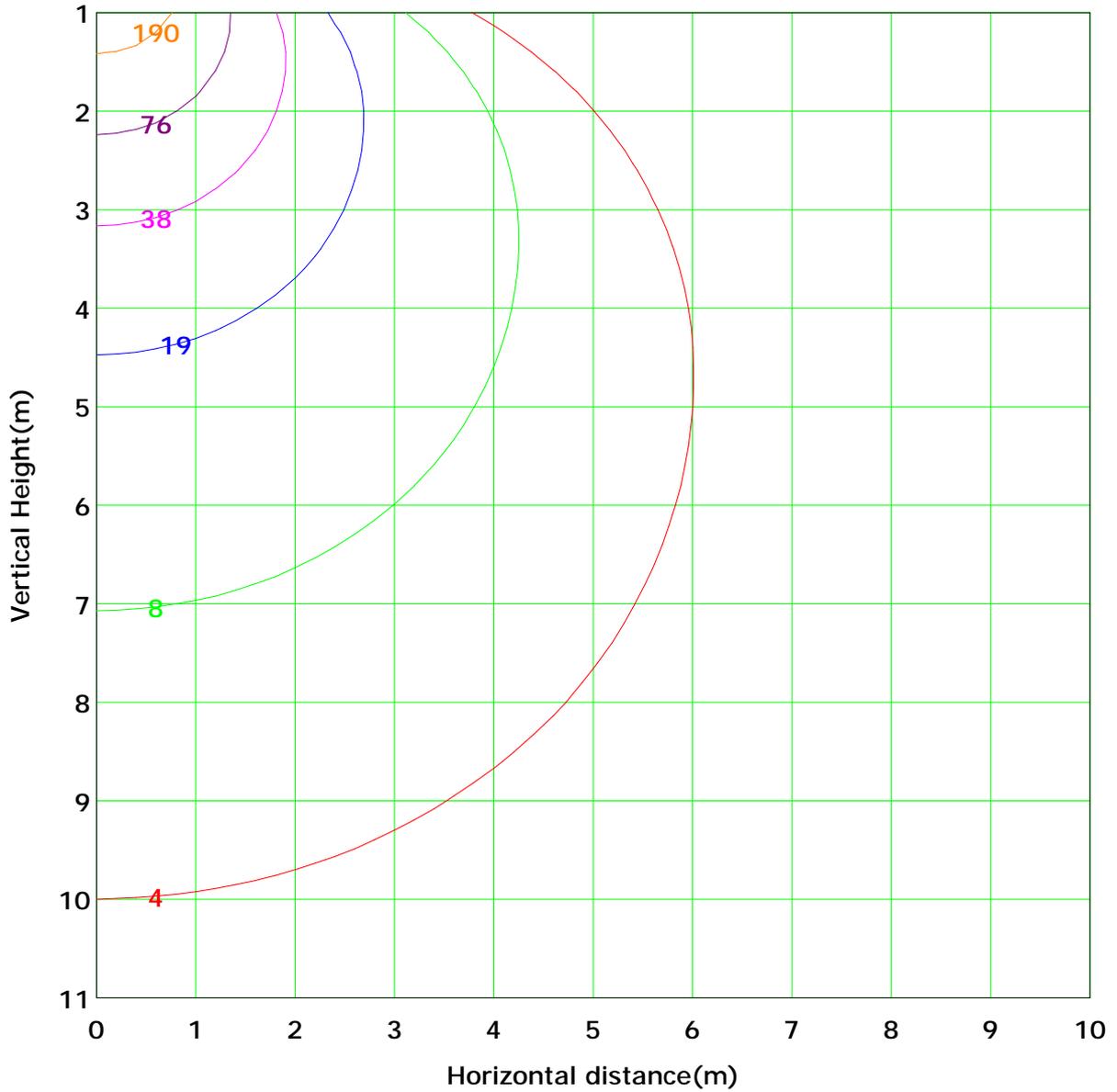
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Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 380.0 lx
 (1%): 3.8 lx (2%): 7.6 lx
 (5%): 19.0 lx (10%): 38.0 lx
 (20%): 76.0 lx (50%): 190.0 lx
 (100%): 380.0 lx

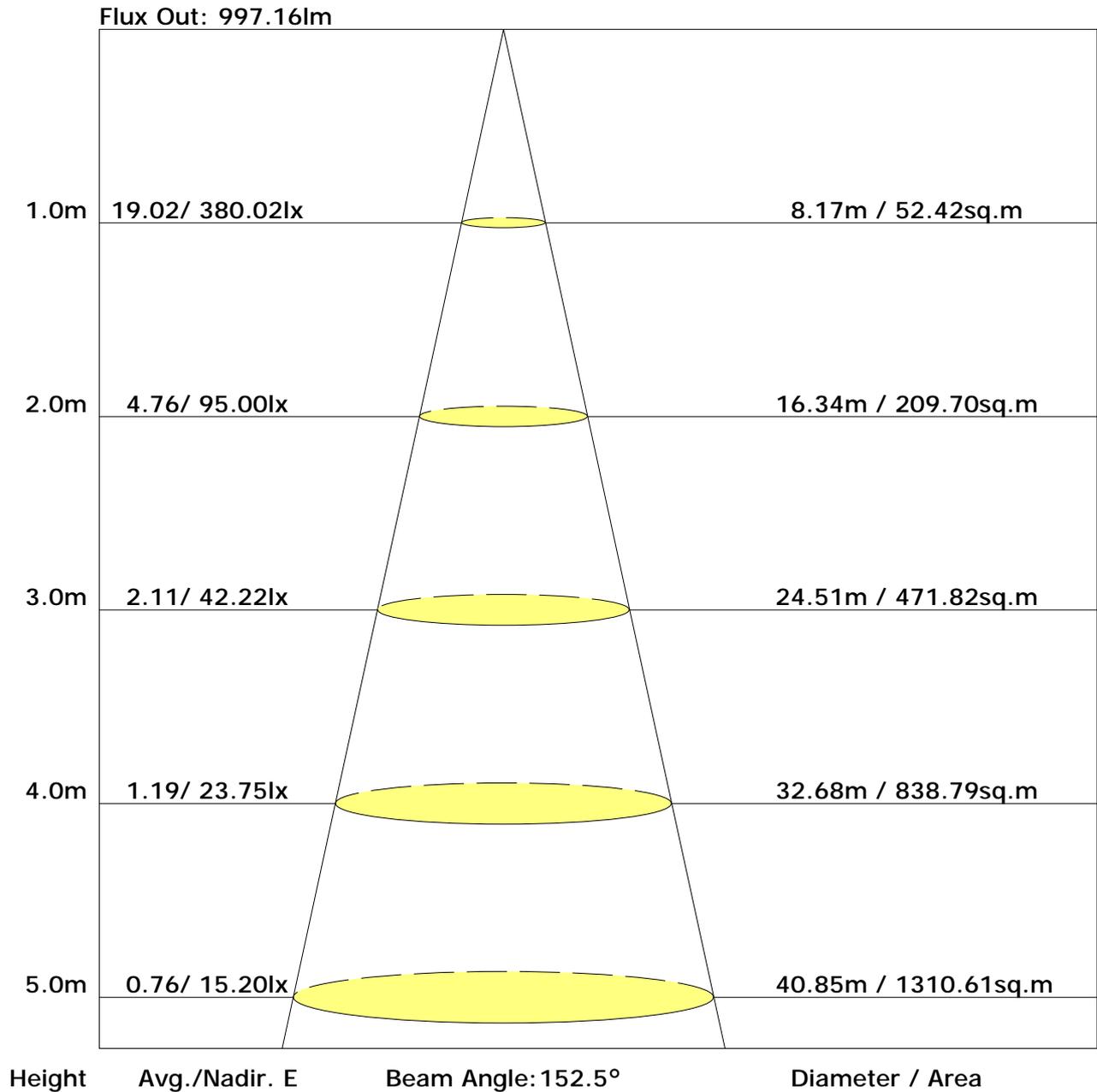
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The Average Illuminance Effective Figure



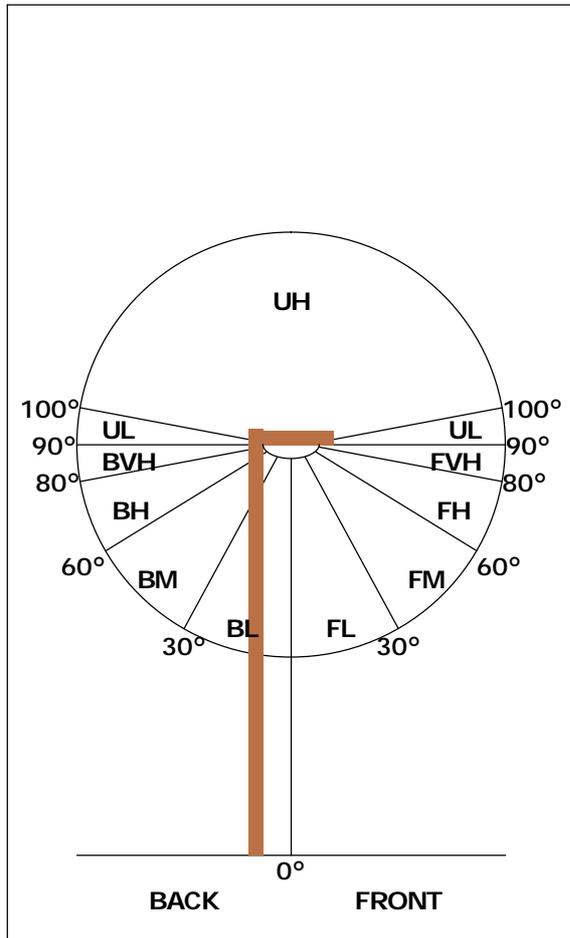
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FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	516	50.3
FL (0°-30°)	146	14.2
FM (30°-60°)	277	27.0
FH (60°-80°)	88	8.6
FVH (80°-90°)	5	0.5
BACK LIGHT	500	48.7
BL (0°-30°)	145	14.2
BM (30°-60°)	271	26.4
BH (60°-80°)	80	7.8
BVH (80°-90°)	3	0.3
UP LIGHT	11	1.0
UL (90°-100°)	1	0.1
UH (100°-180°)	10	1.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G0

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Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-5.0	371.2	8.9	8.9	0.86	0.86
5.0-10.0	368.5	26.4	35.2	2.57	3.43
10.0-15.0	362.9	43.1	78.3	4.19	7.62
15.0-20.0	354.3	58.4	136.7	5.69	13.31
20.0-25.0	342.7	71.9	208.6	7.00	20.31
25.0-30.0	328.0	83.0	291.6	8.08	28.39
30.0-35.0	309.5	91.1	382.7	8.87	37.26
35.0-40.0	287.3	95.9	478.6	9.33	46.60
40.0-45.0	262.3	97.1	575.7	9.46	56.05
45.0-50.0	234.8	94.9	670.6	9.24	65.29
50.0-55.0	205.0	89.1	759.7	8.68	73.97
55.0-60.0	172.7	79.8	839.6	7.77	81.74
60.0-65.0	138.0	67.1	906.7	6.53	88.27
65.0-70.0	101.4	51.3	958.0	5.00	93.27
70.0-75.0	64.2	33.5	991.6	3.27	96.53
75.0-80.0	31.5	16.8	1008.4	1.64	98.17
80.0-85.0	11.6	6.3	1014.7	0.61	98.79
85.0-90.0	3.4	1.8	1016.5	0.18	98.97
90.0-95.0	0.7	0.4	1016.9	0.04	99.00
95.0-100.0	0.7	0.4	1017.3	0.04	99.04
100.0-105.0	0.9	0.5	1017.8	0.04	99.09
105.0-110.0	1.1	0.6	1018.3	0.05	99.14
110.0-115.0	1.3	0.6	1019.0	0.06	99.20
115.0-120.0	1.5	0.7	1019.7	0.07	99.27
120.0-125.0	1.7	0.8	1020.5	0.08	99.35
125.0-130.0	1.9	0.8	1021.3	0.08	99.43
130.0-135.0	2.1	0.9	1022.2	0.08	99.51
135.0-140.0	2.3	0.9	1023.0	0.08	99.60
140.0-145.0	2.5	0.8	1023.8	0.08	99.68
145.0-150.0	2.7	0.8	1024.6	0.08	99.75
150.0-155.0	2.8	0.7	1025.3	0.07	99.82
155.0-160.0	3.0	0.6	1026.0	0.06	99.88
160.0-165.0	3.1	0.5	1026.5	0.05	99.93
165.0-170.0	3.2	0.4	1026.8	0.04	99.97
170.0-175.0	3.3	0.2	1027.1	0.02	99.99
175.0-180.0	3.4	0.1	1027.2	0.01	100.00

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Candlepower Table

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G0.0	380.0	376.0	373.0	371.4	369.9	368.6	368.3	368.0	380.0	376.0
G5.0	378.5	374.8	370.9	370.4	369.3	368.0	367.0	366.5	378.2	373.8
G10.0	374.9	371.2	368.3	366.7	365.2	364.1	363.3	362.5	373.5	369.7
G15.0	368.5	364.5	362.0	360.2	358.4	357.3	356.5	355.9	365.8	361.9
G20.0	358.5	354.9	352.7	351.1	349.4	347.7	346.5	346.0	355.0	350.8
G25.0	346.0	342.3	339.6	339.0	336.6	335.5	334.3	333.1	340.8	336.9
G30.0	330.4	326.9	324.5	324.0	321.8	320.1	319.1	317.4	322.9	318.9
G35.0	310.6	307.4	305.7	305.1	302.7	300.6	299.4	297.3	300.6	296.3
G40.0	287.6	284.7	283.1	282.9	279.7	277.9	276.3	275.0	274.8	271.4
G45.0	261.6	258.7	257.7	258.0	254.9	252.8	251.2	249.6	246.9	243.9
G50.0	233.3	231.3	230.0	230.4	227.1	225.0	223.2	221.4	216.5	213.8
G55.0	203.1	201.4	200.6	200.7	197.9	195.3	193.4	191.5	183.7	181.4
G60.0	170.1	168.8	167.9	168.7	165.3	162.9	160.4	158.7	148.5	146.0
G65.0	134.5	133.9	133.3	134.4	131.2	128.2	125.8	123.6	110.3	108.8
G70.0	97.7	96.9	97.0	98.2	94.7	91.5	89.0	86.9	71.4	70.0
G75.0	59.4	59.6	59.8	60.8	57.5	54.4	51.9	49.8	33.6	32.8
G80.0	24.5	24.9	25.3	26.1	23.5	21.2	19.5	18.1	11.7	11.3
G85.0	9.4	9.5	9.5	9.7	8.9	8.2	7.6	7.2	2.8	2.6
G90.0	1.5	1.6	1.7	1.9	1.5	1.3	1.0	0.8	0.3	0.2
G95.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4
G100.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5
G105.0	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.2	0.7	0.7
G110.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.9	0.9
G115.0	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.1	1.1
G120.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	1.9	1.3	1.3
G125.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.5	1.5
G130.0	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.3	1.7	1.6
G135.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	1.9	1.8
G140.0	2.8	2.8	2.8	2.7	2.8	2.7	2.7	2.7	2.1	2.1
G145.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.3	2.3
G150.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.5
G155.0	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.7	2.7
G160.0	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.9	2.9
G165.0	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.3	3.1	3.0
G170.0	3.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2
G175.0	3.5	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.4	3.3
G180.0	3.5	3.4	3.3	3.3	3.4	3.3	3.3	3.3	3.5	3.4

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Candlepower Table (Continue 1)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	373.0	371.4	369.9	368.6	368.3	368.0	380.0			
G5.0	371.0	369.1	368.7	367.5	366.8	366.7	378.5			
G10.0	366.4	364.7	364.0	363.0	363.0	362.9	374.9			
G15.0	358.7	356.6	356.5	355.9	355.3	355.7	368.5			
G20.0	348.0	346.0	345.1	345.5	345.1	345.8	358.5			
G25.0	334.3	332.0	331.7	332.2	331.9	332.6	346.0			
G30.0	315.6	314.4	314.1	314.8	315.2	316.0	330.4			
G35.0	294.0	292.2	293.0	293.5	294.3	295.1	310.6			
G40.0	268.3	267.3	267.5	269.4	270.2	270.9	287.6			
G45.0	241.4	239.7	240.6	242.3	243.2	244.0	261.6			
G50.0	211.2	209.8	211.1	213.0	214.1	215.1	233.3			
G55.0	179.3	176.8	179.5	181.3	182.7	183.8	203.1			
G60.0	144.3	142.3	144.3	146.8	148.8	150.3	170.1			
G65.0	107.2	105.3	107.7	110.3	112.3	113.9	134.5			
G70.0	69.0	67.1	70.1	72.5	75.0	77.0	97.7			
G75.0	32.0	30.6	33.3	35.8	38.0	40.0	59.4			
G80.0	11.1	10.7	11.4	12.1	12.6	13.2	24.5			
G85.0	2.4	2.1	2.8	3.4	3.9	4.5	9.4			
G90.0	0.2	0.2	0.2	0.2	0.2	0.2	1.5			
G95.0	0.4	0.4	0.4	0.3	0.3	0.3	0.8			
G100.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0			
G105.0	0.7	0.7	0.7	0.7	0.7	0.7	1.3			
G110.0	0.9	0.9	0.9	0.8	0.9	0.9	1.5			
G115.0	1.0	1.0	1.0	1.0	1.0	1.0	1.8			
G120.0	1.2	1.2	1.2	1.2	1.2	1.2	2.0			
G125.0	1.4	1.4	1.5	1.4	1.4	1.4	2.2			
G130.0	1.6	1.6	1.6	1.6	1.6	1.6	2.5			
G135.0	1.8	1.8	1.8	1.8	1.8	1.8	2.6			
G140.0	2.0	2.0	2.0	2.0	2.0	2.0	2.8			
G145.0	2.2	2.2	2.2	2.2	2.2	2.2	3.0			
G150.0	2.5	2.5	2.5	2.4	2.4	2.4	3.1			
G155.0	2.6	2.6	2.6	2.6	2.6	2.6	3.2			
G160.0	2.8	2.8	2.8	2.8	2.8	2.8	3.3			
G165.0	3.0	3.0	3.0	3.0	3.0	3.0	3.3			
G170.0	3.2	3.1	3.2	3.2	3.1	3.1	3.5			
G175.0	3.3	3.3	3.3	3.3	3.2	3.3	3.5			
G180.0	3.4	3.4	3.4	3.3	3.3	3.3	3.5			

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device: GPM-1600L
 Distance: 6.361 m
 Humidity: 56%
 Inspector: