

Report No.: PKS190411002-10

Test Time: 2019-4-15 12:41

Luminaire Property

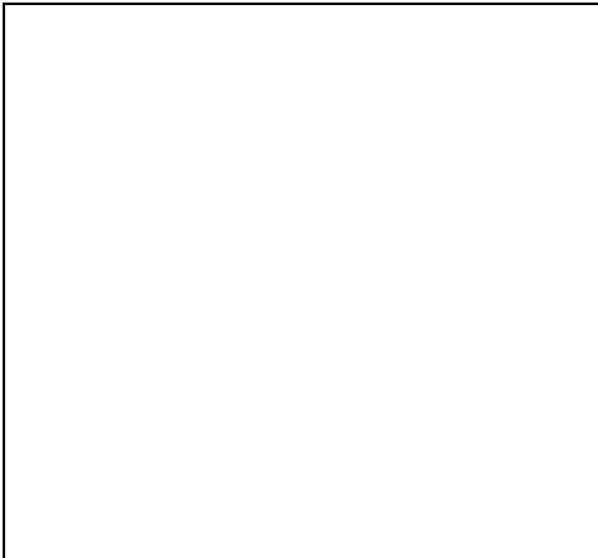
Luminaire Manufacturer:
Luminaire Category:
Luminaire Description: DS7431WNLED
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 53.25 W

Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.446 A
Power Factor: 0.994

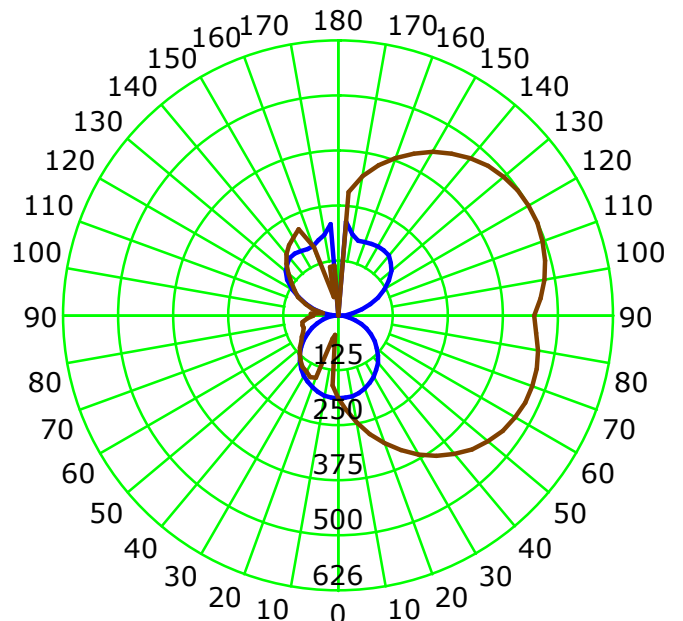
Photometric Results

CIE Class: General Diffuse	Total Rated Lamp Lumens: 2483.8 lm
Measurement Flux: 2483.8 lm	Efficiency: 100%
Downward Ratio: 47%	Upward Ratio: 53%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 359.0, 356.9, 358.2, 358.0	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 354.9, 186.0, 350.9, 326.2	
Luminaire Efficacy Rating (LER): 46.69	C0r0 Intensity: 188.6 cd
Max. Intensity: 500.8 cd	Pos of Max. Intensity: H90 V120
S/MH(C0/C180): 1.26	S/MH(C90/C270): 2.06

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

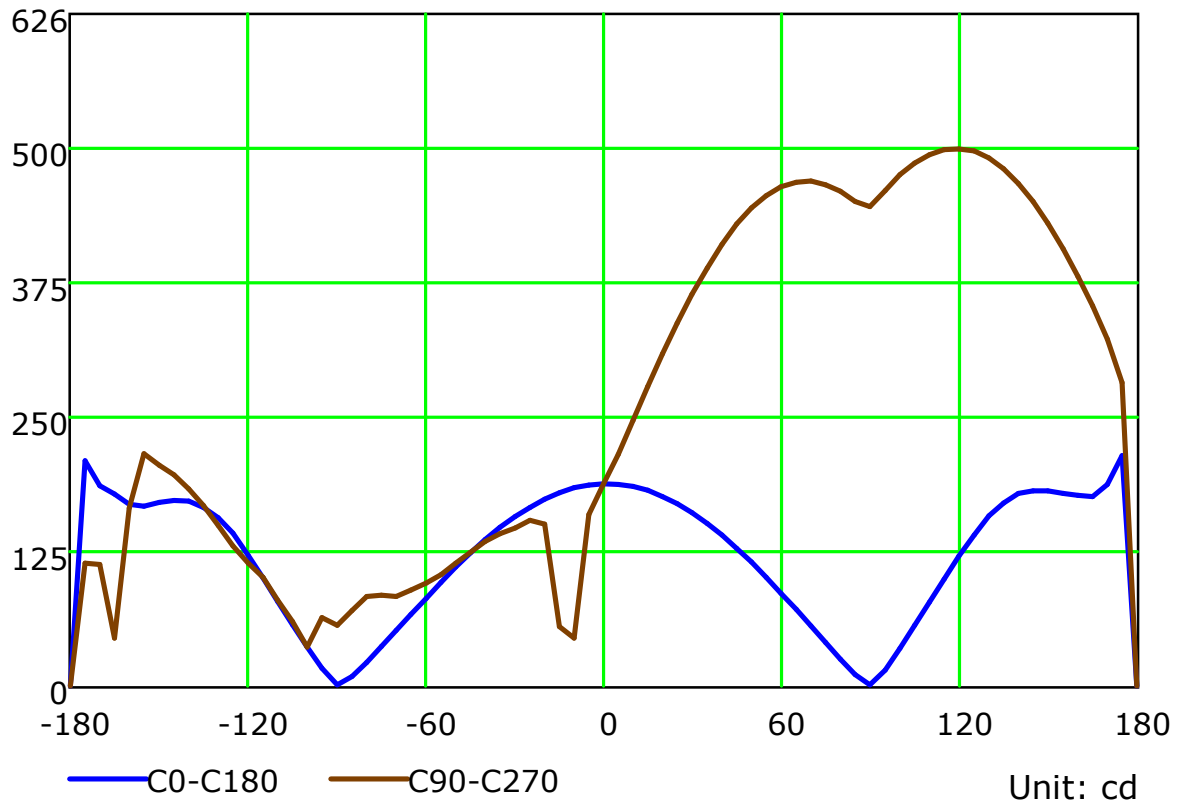
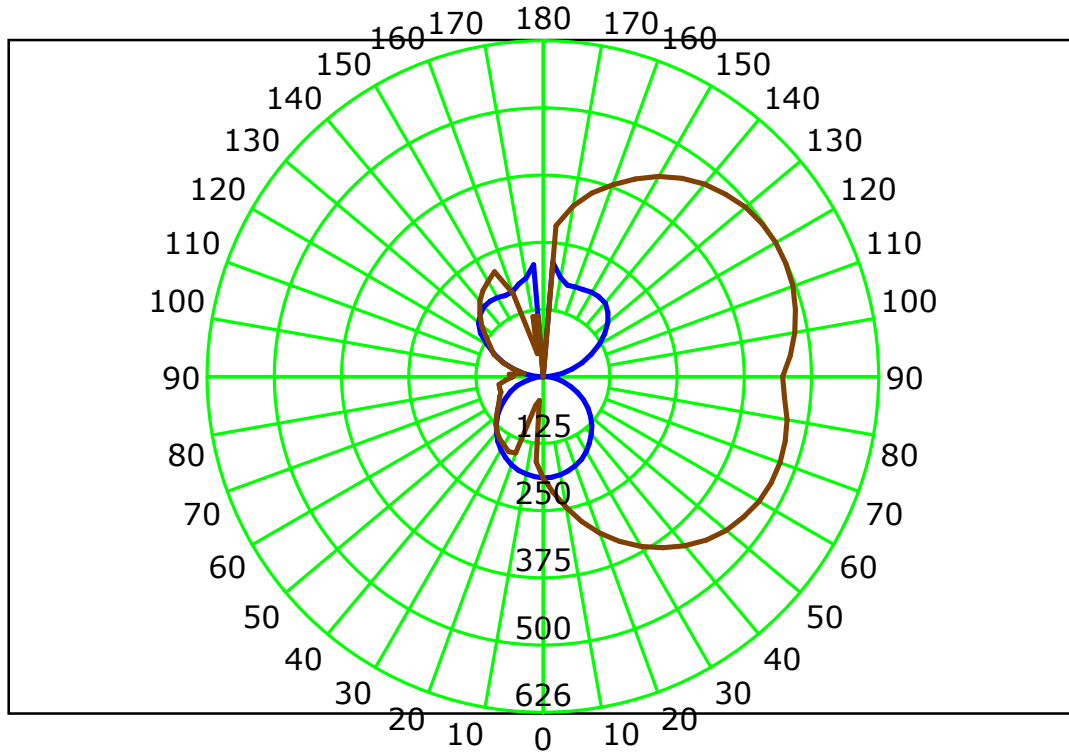
Average Diffuse Angle(50%): 270.5°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5
Test Lab: Bacl
Test Type: TYPE C
Temperature: 24.8 °C
Operator: KOBE

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-3000
Distance: 14.073 m
Humidity: 48
Inspector:

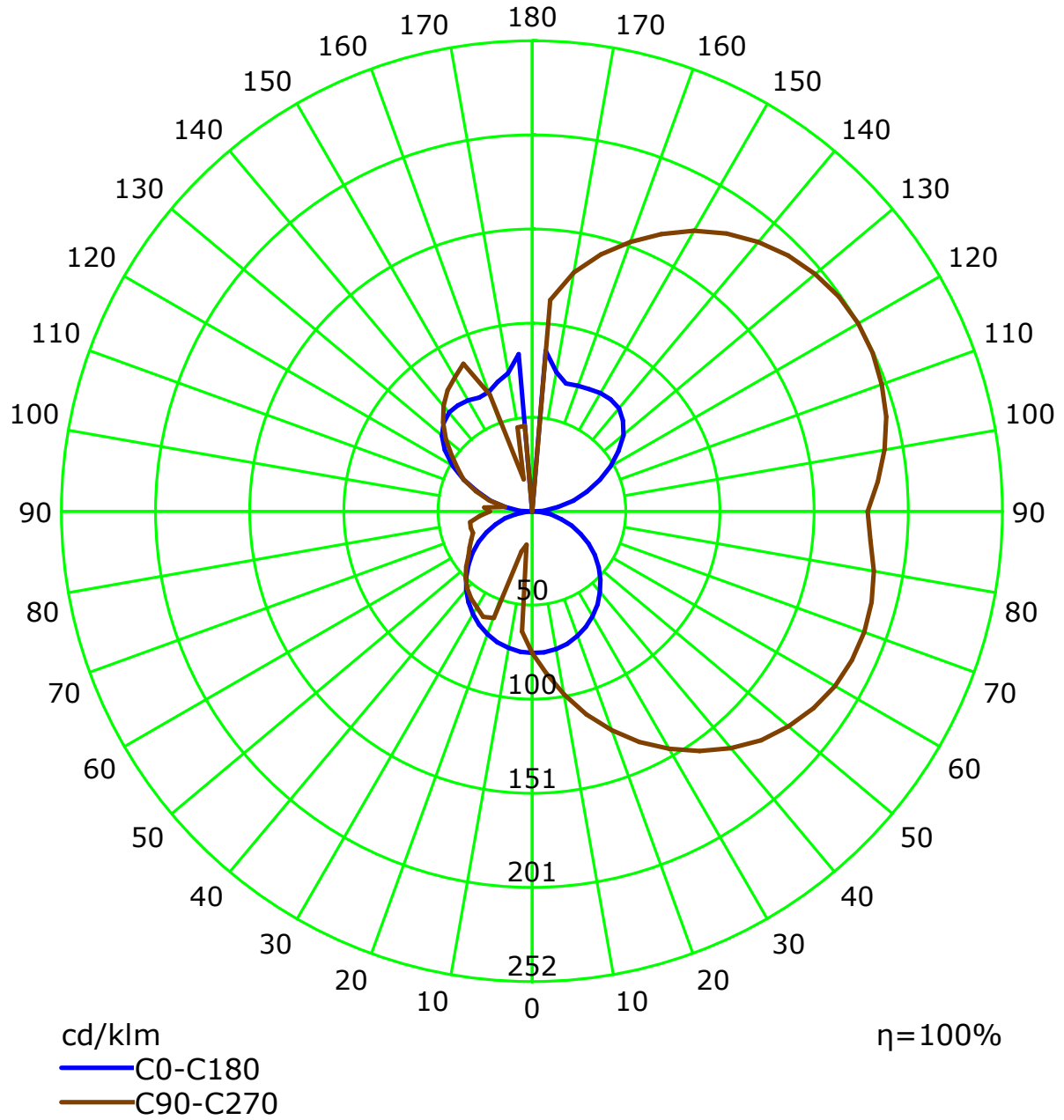
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5
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 Test Type: TYPE C
 Temperature: 24.8 'C
 Operator: KOBE

Gamma Plane (°):0.0-180.0:5.0
 Test Device: GPM-3000
 Distance: 14.073 m
 Humidity: 48
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



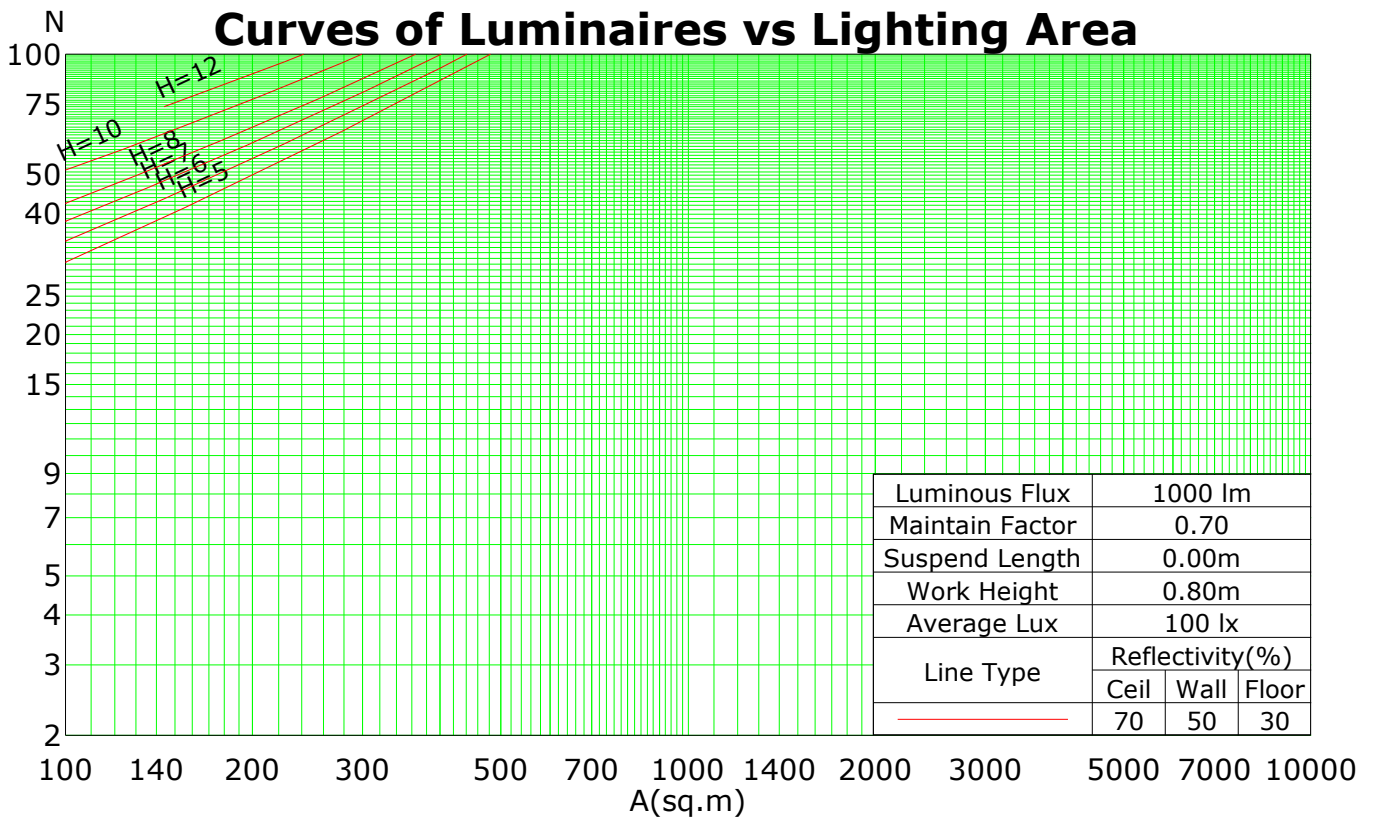
C Plane (°):0.0-360.0: 22.5
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 Test Type: TYPE C
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Coefficients Of Utilization - Zonal Cavity Method

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	1.06	1.06	1.06	1.06	.98	.98	.98	.98	.82	.82	.82	.67	.67	.67	.53	.53	.53	.47
1	.94	.88	.83	.78	.85	.80	.76	.72	.66	.63	.60	.54	.51	.49	.42	.40	.38	.32
2	.84	.75	.67	.61	.76	.68	.62	.56	.56	.51	.47	.45	.41	.38	.35	.32	.30	.24
3	.76	.65	.56	.49	.69	.59	.51	.45	.48	.43	.38	.39	.34	.31	.30	.26	.24	.19
4	.69	.56	.47	.41	.62	.52	.44	.37	.42	.36	.31	.34	.29	.25	.26	.22	.19	.15
5	.63	.50	.41	.34	.57	.45	.37	.31	.37	.31	.26	.30	.25	.21	.23	.19	.16	.13
6	.57	.44	.35	.29	.52	.40	.33	.27	.33	.27	.22	.27	.22	.18	.20	.17	.14	.11
7	.53	.40	.31	.25	.48	.36	.29	.23	.30	.24	.19	.24	.19	.16	.18	.15	.12	.09
8	.49	.36	.27	.22	.44	.33	.25	.20	.27	.21	.17	.22	.17	.14	.17	.13	.11	.08
9	.45	.32	.24	.19	.41	.30	.23	.18	.25	.19	.15	.20	.15	.12	.15	.12	.09	.07
10	.42	.30	.22	.17	.39	.27	.20	.16	.23	.17	.13	.18	.14	.11	.14	.11	.08	.06

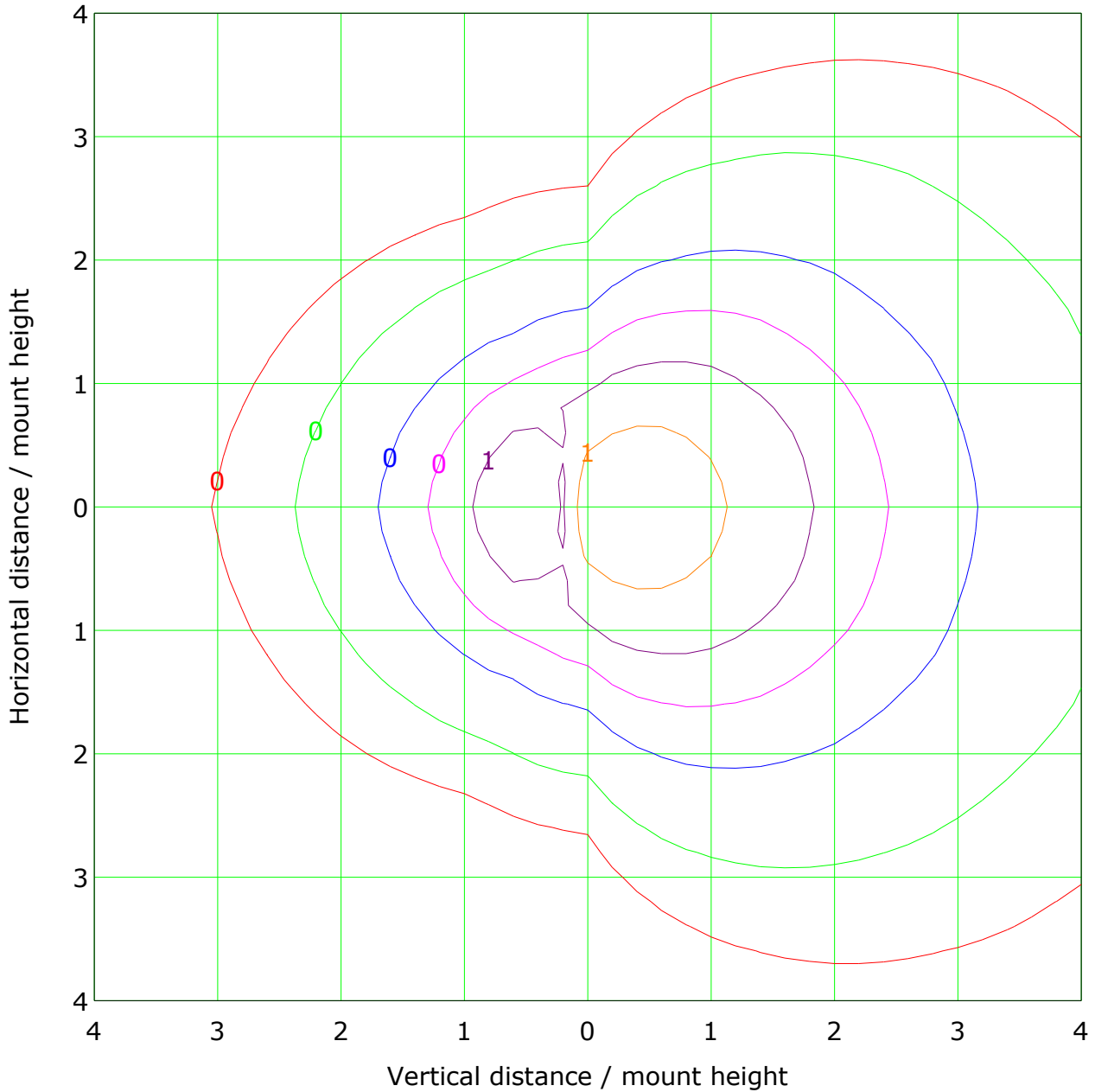
Spacing Criteria (0-180): 1.26
 Spacing Criteria (90-270): 2.06
 Spacing Criteria (Diagonal): 1.85



C Plane (°):0.0-360.0: 22.5
 Test Lab: Bacl
 Test Type: TYPE C
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 Operator: KOBE

Gamma Plane (°):0.0-180.0:5.0
 Test Device: GPM-3000
 Distance: 14.073 m
 Humidity: 48
 Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 2.6 lx

— (1%): 0.0 lx	— (2%): 0.1 lx
— (5%): 0.1 lx	— (10%): 0.3 lx
— (20%): 0.5 lx	— (50%): 1.3 lx

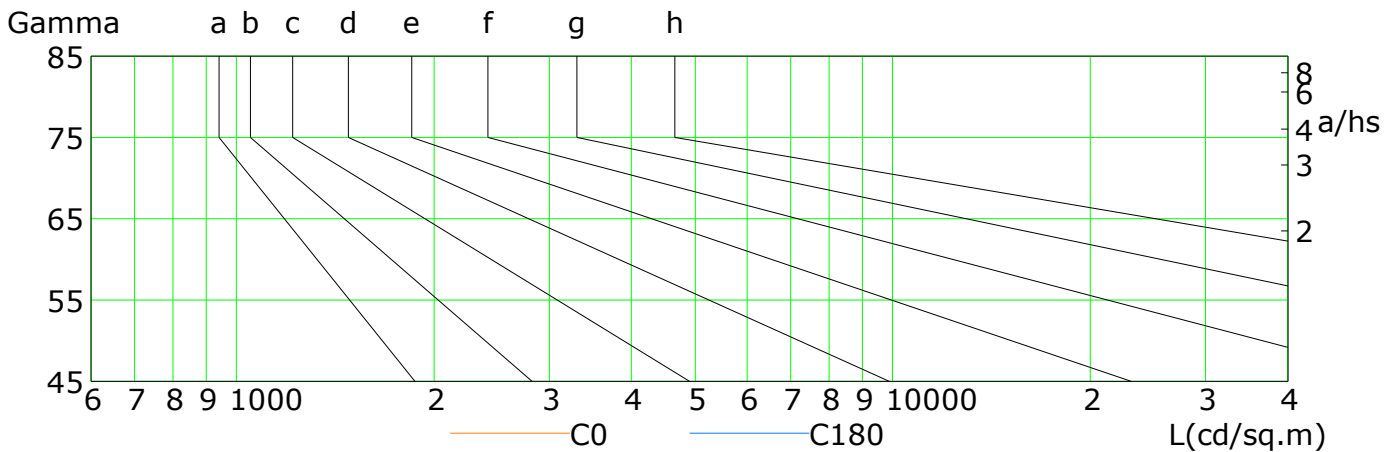
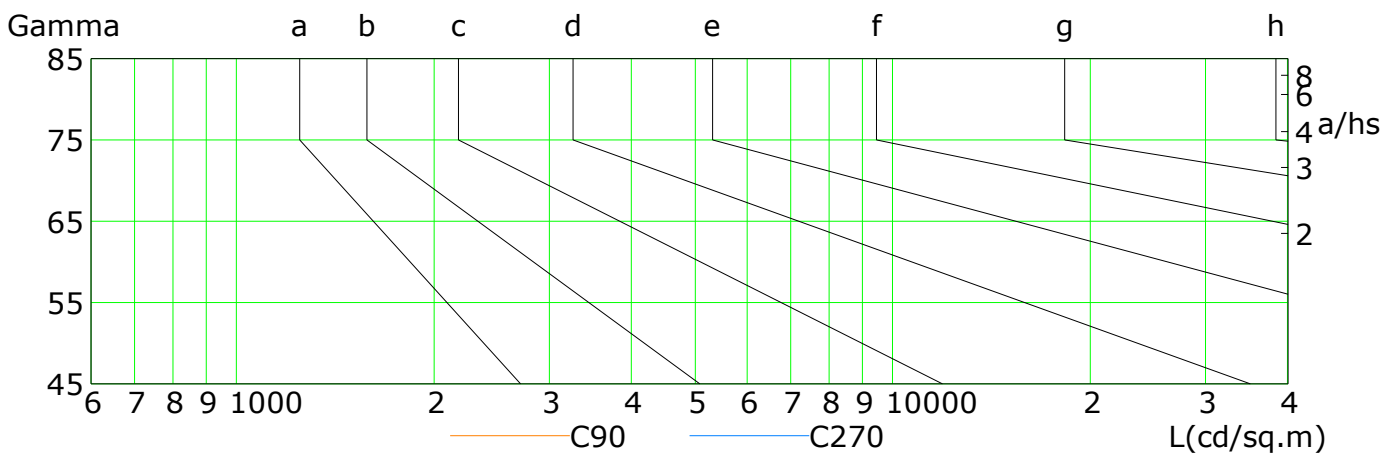
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Lum Limit Curve

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

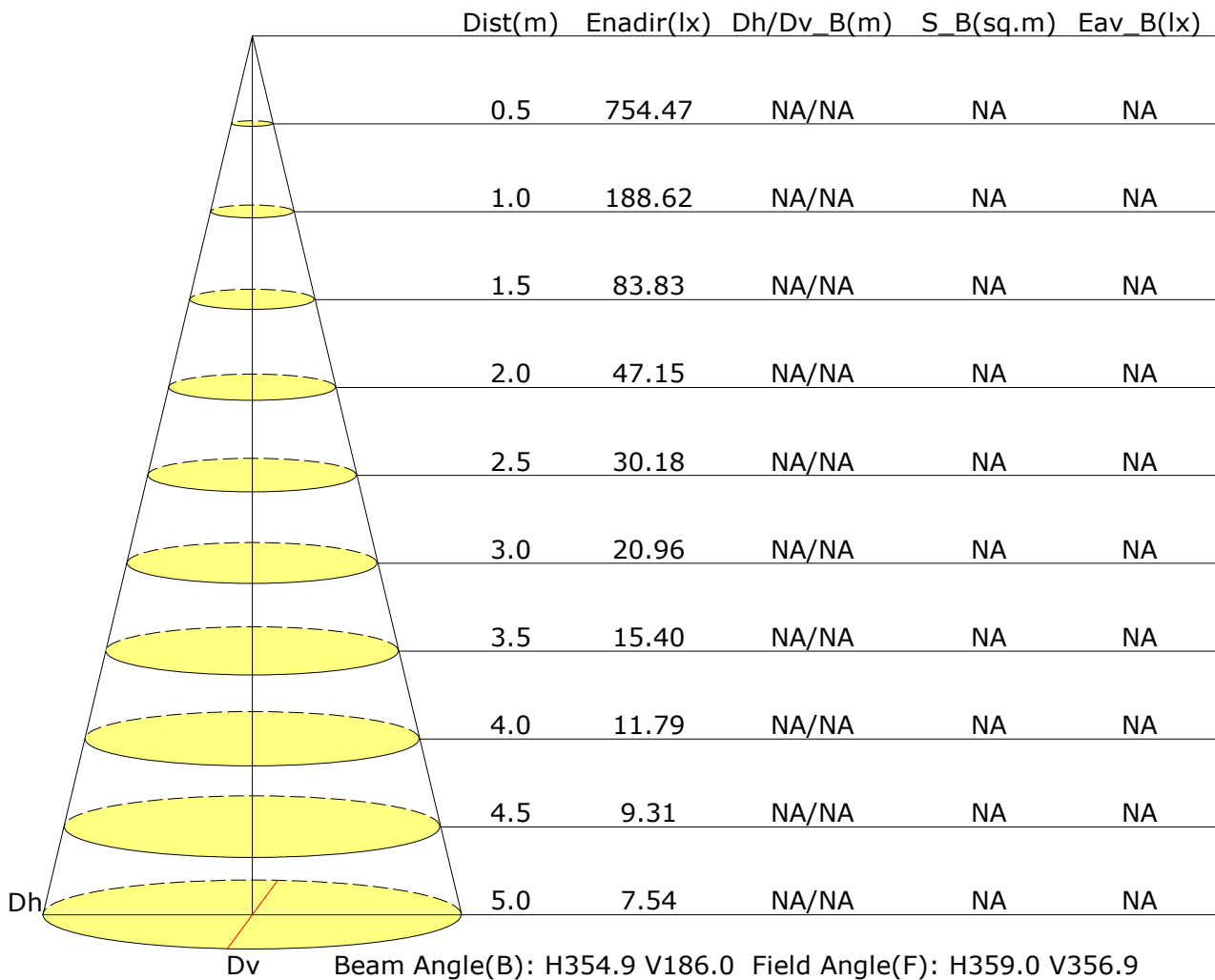


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	129	116	102	87	72	57	41	26	11
C90	430	446	457	465	469	471	467	461	452
C180	124	111	97	82	67	52	37	22	9
C270	125	115	104	96	90	84	85	84	70

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Distance: 14.073 m
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Inspector:

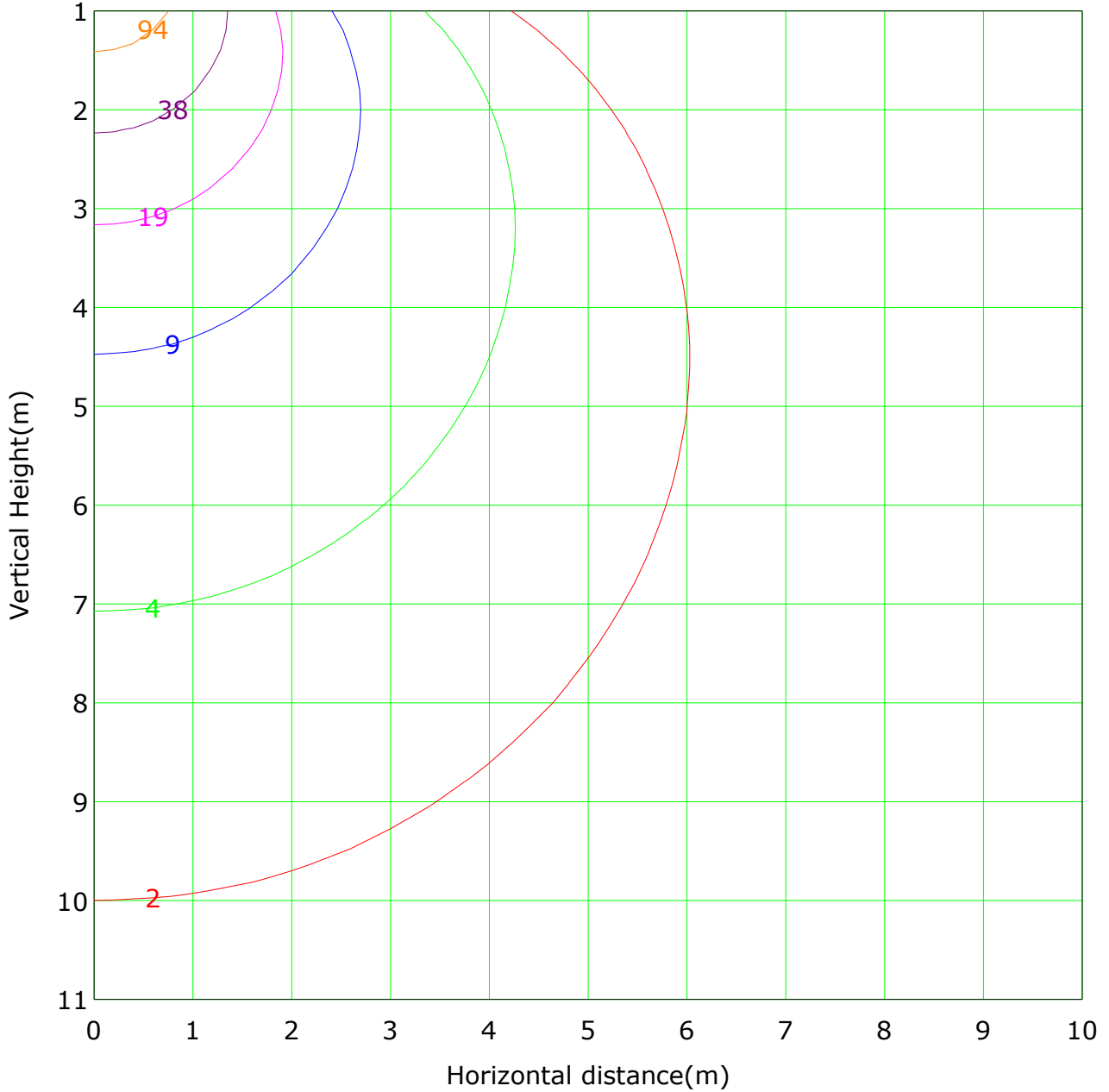
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
 Test Lab: Bacl
 Test Type: TYPE C
 Temperature: 24.8 'C
 Operator: KOBE

Gamma Plane (°):0.0-180.0:5.0
 Test Device: GPM-3000
 Distance: 14.073 m
 Humidity: 48
 Inspector:

Vertical IsoLux Plot

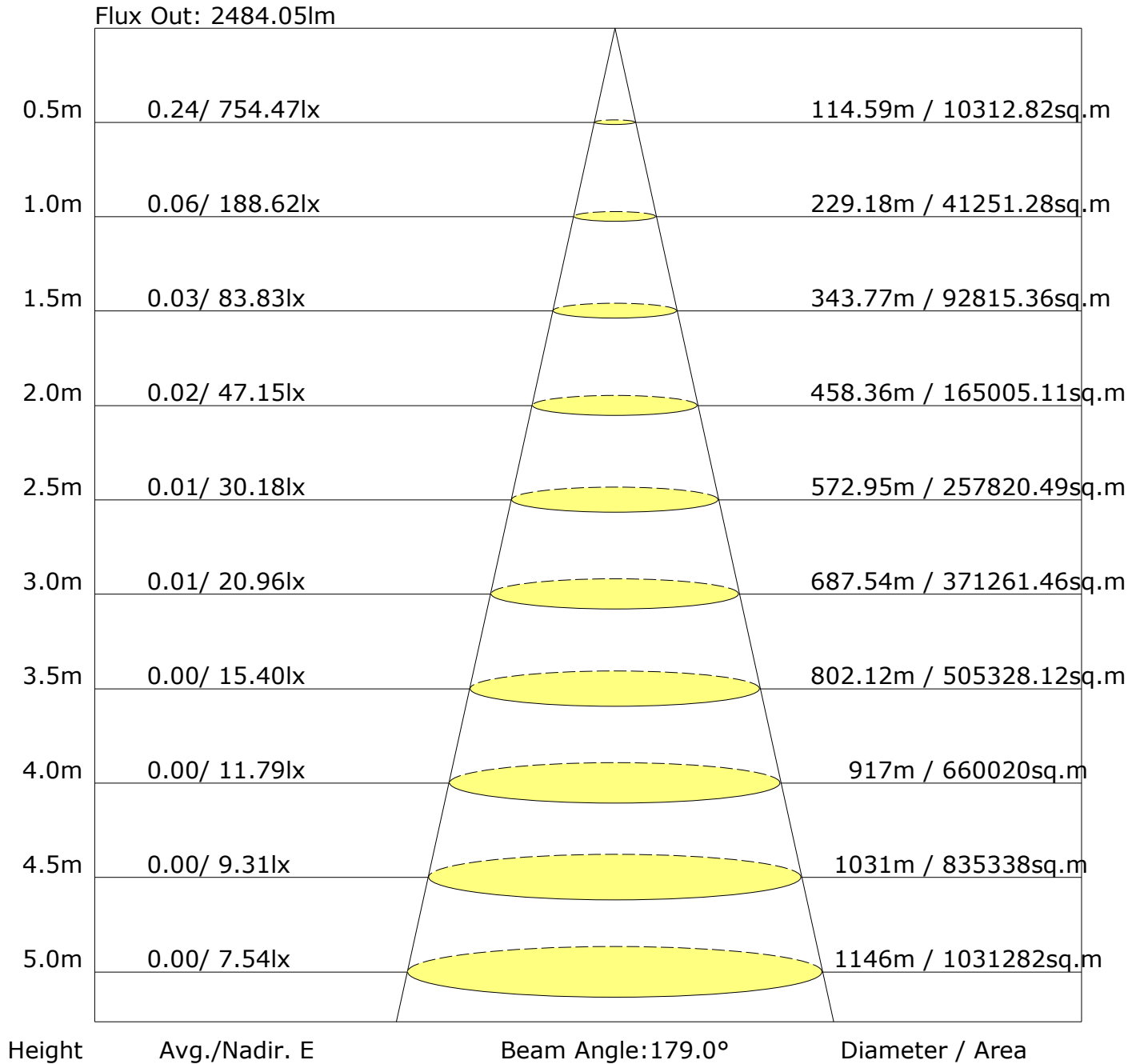


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 188.6 lx
— (1%): 1.9 lx	— (2%): 3.8 lx	
— (5%): 9.4 lx	— (10%): 18.9 lx	
— (20%): 37.7 lx	— (50%): 94.3 lx	

C Plane (°):0.0-360.0: 22.5
 Test Lab: Bacl
 Test Type: TYPE C
 Temperature: 24.8 'C
 Operator: KOBE

Gamma Plane (°):0.0-180.0:5.0
 Test Device: GPM-3000
 Distance: 14.073 m
 Humidity: 48
 Inspector:

The Average Illuminance Effective Figure



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 Test Type: TYPE C
 Temperature: 24.8 °C
 Operator: KOBE

Gamma Plane (°):0.0-180.0:5.0
 Test Device: GPM-3000
 Distance: 14.073 m
 Humidity: 48
 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										
S=1.5H										
S=2.0H										

Calculate in accordance with CIE Pub.117. The table is revised with $2484lm$ ($8\log(F/F_0) = 3.2$).

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 Test Type: TYPE C
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 Test Device: GPM-3000
 Distance: 14.073 m
 Humidity: 48
 Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.75									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	NA	0.47	0.54	0.58	0.65	0.70	0.73	0.78	0.81	
		0.30	NA	0.40	0.46	0.51	0.58	0.64	0.68	0.73	0.77	
		0.20	NA	0.34	0.40	0.45	0.53	0.58	0.63	0.69	0.73	
0.50	0.50	0.20	NA	0.39	0.44	0.48	0.54	0.58	0.61	0.65	0.67	
		0.30	NA	0.33	0.39	0.43	0.49	0.53	0.56	0.61	0.64	
		0.20	NA	0.30	0.34	0.38	0.44	0.49	0.52	0.58	0.61	
0.30	0.50	0.20	NA	0.32	0.36	0.39	0.44	0.47	0.49	0.52	0.54	
		0.30	NA	0.27	0.32	0.35	0.40	0.43	0.46	0.49	0.52	
		0.20	NA	0.24	0.28	0.31	0.36	0.40	0.43	0.47	0.50	
0.00	0.00	0.00	NA	0.15	0.18	0.20	0.24	0.27	0.29	0.31	0.33	
<p>Rating:53W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.75								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	NA	0.83	0.72	0.64	0.53	0.45	0.40	0.32	0.27
	0.30		NA	0.71	0.63	0.57	0.48	0.42	0.37	0.30	0.26
	0.20		NA	0.62	0.56	0.51	0.44	0.38	0.34	0.28	0.24
0.50	0.50	0.20	NA	0.70	0.62	0.55	0.45	0.40	0.34	0.28	0.23
	0.30		NA	0.61	0.54	0.49	0.42	0.36	0.32	0.26	0.22
	0.20		NA	0.54	0.49	0.45	0.38	0.34	0.30	0.25	0.21
0.30	0.50	0.20	NA	0.59	0.52	0.46	0.38	0.33	0.29	0.24	0.20
	0.30		NA	0.52	0.46	0.42	0.35	0.31	0.27	0.23	0.19
	0.20		NA	0.46	0.42	0.38	0.33	0.29	0.26	0.22	0.19
0.00	0.00	0.00	0.47	0.32	0.29	0.26	0.23	0.20	0.18	0.15	0.13
<p>Rating:53W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.75									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	NA	0.69	0.70	0.71	0.71	0.72	0.72	0.72	0.72	
		0.30	NA	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.69	
		0.20	NA	0.58	0.59	0.60	0.62	0.63	0.64	0.65	0.66	
0.50	0.50	0.20	NA	0.67	0.67	0.68	0.68	0.69	0.69	0.69	0.69	
		0.30	NA	0.61	0.62	0.63	0.64	0.65	0.65	0.66	0.67	
		0.20	NA	0.57	0.58	0.59	0.60	0.61	0.62	0.63	0.64	
0.30	0.50	0.20	NA	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.67	
		0.30	NA	0.60	0.61	0.61	0.62	0.63	0.63	0.64	0.64	
		0.20	NA	0.57	0.57	0.58	0.59	0.60	0.61	0.62	0.62	
0.00	0.00	0.00	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	
<p>Rating:53W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-5.0	188.7	4.5	4.5	0.18	0.18
5.0-10.0	179.6	12.8	17.4	0.52	0.70
10.0-15.0	167.0	19.8	37.2	0.80	1.50
15.0-20.0	173.9	28.7	65.8	1.15	2.65
20.0-25.0	189.8	39.8	105.6	1.60	4.25
25.0-30.0	197.9	50.1	155.7	2.02	6.27
30.0-35.0	202.2	59.5	215.3	2.40	8.67
35.0-40.0	206.3	68.8	284.1	2.77	11.44
40.0-45.0	209.0	77.4	361.5	3.12	14.56
45.0-50.0	207.6	83.9	445.4	3.38	17.93
50.0-55.0	203.1	88.3	533.7	3.56	21.49
55.0-60.0	197.3	91.2	624.9	3.67	25.16
60.0-65.0	190.6	92.7	717.6	3.73	28.89
65.0-70.0	183.5	92.9	810.6	3.74	32.63
70.0-75.0	176.0	92.0	902.6	3.70	36.34
75.0-80.0	169.1	90.5	993.1	3.64	39.98
80.0-85.0	161.0	87.5	1080.6	3.52	43.51
85.0-90.0	150.9	82.6	1163.3	3.33	46.84
90.0-95.0	148.6	81.4	1244.6	3.28	50.11
95.0-100.0	157.1	85.4	1330.0	3.44	53.55
100.0-105.0	172.1	92.1	1422.1	3.71	57.26
105.0-110.0	190.0	99.3	1521.5	4.00	61.26
110.0-115.0	206.3	104.5	1625.9	4.21	65.46
115.0-120.0	219.8	106.9	1732.8	4.30	69.77
120.0-125.0	232.1	107.3	1840.1	4.32	74.08
125.0-130.0	243.7	106.0	1946.1	4.27	78.35
130.0-135.0	252.5	102.0	2048.1	4.11	82.46
135.0-140.0	255.0	94.4	2142.5	3.80	86.26
140.0-145.0	253.2	84.5	2227.0	3.40	89.66
145.0-150.0	251.2	74.0	2301.0	2.98	92.64
150.0-155.0	244.1	61.8	2362.8	2.49	95.13
155.0-160.0	225.3	47.3	2410.0	1.90	97.03
160.0-165.0	202.7	33.4	2443.5	1.35	98.38
165.0-170.0	197.6	23.4	2466.9	0.94	99.32
170.0-175.0	201.9	14.4	2481.3	0.58	99.90
175.0-180.0	100.6	2.4	2483.8	0.10	100.00

C Plane (°):0.0-360.0: 22.5
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 Operator: KOBE

Gamma Plane (°):0.0-180.0:5.0
 Test Device: GPM-3000
 Distance: 14.073 m
 Humidity: 48
 Inspector:

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	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6
G5.0	188.2	197.0	206.5	214.0	216.2	213.5	206.3	196.9	187.6	181.0
G10.0	186.3	206.1	226.8	242.5	247.7	241.9	226.0	205.9	184.9	167.7
G15.0	182.4	213.9	245.6	271.0	279.5	269.3	244.8	212.6	180.4	144.6
G20.0	177.0	219.8	263.5	298.2	309.8	295.2	261.7	217.8	174.5	99.9
G25.0	170.0	224.1	279.2	323.4	338.5	319.8	276.8	220.8	166.9	55.3
G30.0	161.7	226.8	294.0	347.0	365.0	342.5	290.2	222.1	158.2	50.8
G35.0	151.7	227.9	306.0	368.7	389.4	363.0	302.2	222.0	147.9	67.4
G40.0	140.9	227.0	316.0	387.0	411.5	380.7	311.3	220.1	136.8	102.3
G45.0	128.6	224.4	323.8	402.6	430.5	395.1	318.0	216.4	124.4	104.2
G50.0	115.8	219.9	328.8	415.6	445.5	407.3	321.9	210.6	111.2	93.3
G55.0	101.9	213.7	331.3	425.1	456.9	416.2	323.8	203.4	97.1	81.7
G60.0	86.8	206.0	330.7	430.7	465.3	421.4	323.1	193.9	82.3	71.0
G65.0	71.7	196.6	327.9	433.4	469.3	422.9	319.6	183.8	67.2	60.0
G70.0	56.5	185.6	322.7	433.8	470.5	422.4	313.4	172.0	52.2	48.7
G75.0	40.6	173.4	315.7	429.9	467.4	418.3	305.6	158.7	37.3	39.4
G80.0	25.5	161.1	306.5	422.9	461.4	411.0	295.6	146.2	22.5	32.6
G85.0	11.2	148.6	296.0	413.2	451.7	401.6	284.3	133.4	9.1	25.7
G90.0	1.4	140.3	289.7	408.6	446.6	396.6	278.1	125.2	1.4	13.2
G95.0	15.5	155.7	305.4	423.9	462.0	411.7	293.9	140.5	17.0	15.4
G100.0	35.5	174.3	321.9	439.2	476.4	426.9	310.9	159.3	36.6	36.3
G105.0	56.7	193.1	337.6	451.6	487.4	439.4	326.5	178.3	57.5	46.6
G110.0	78.1	211.0	351.6	461.7	495.2	449.5	341.1	196.5	79.0	64.9
G115.0	99.7	227.7	362.6	469.2	499.9	457.0	352.9	213.2	100.9	83.2
G120.0	121.1	242.6	371.2	472.3	500.8	460.3	361.6	228.6	122.1	99.9
G125.0	140.7	256.3	376.7	472.4	498.5	460.4	367.1	242.6	142.7	115.0
G130.0	158.6	268.1	379.2	468.3	492.0	456.1	370.8	255.1	157.2	130.7
G135.0	170.8	277.7	378.7	461.3	482.2	449.1	370.7	264.8	166.5	135.9
G140.0	180.0	285.1	375.6	449.6	468.6	437.8	367.9	272.9	172.4	90.7
G145.0	182.3	290.6	369.6	435.2	451.4	423.6	362.2	275.6	172.9	63.5
G150.0	182.4	293.0	360.9	417.9	431.4	406.0	353.6	259.9	171.1	68.0
G155.0	180.0	293.2	349.8	397.4	407.5	385.8	329.4	243.0	167.7	103.7
G160.0	178.2	290.3	336.1	374.1	381.9	362.8	294.1	233.4	169.7	143.7
G165.0	176.6	283.0	319.7	348.9	354.5	332.4	258.6	207.0	179.0	155.7
G170.0	188.3	245.8	296.9	320.5	323.3	264.7	218.8	199.3	187.0	170.7
G175.0	214.9	226.6	232.8	274.2	282.9	193.8	211.1	218.1	210.2	204.4
G180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 22.5
 Test Lab: Bacl
 Test Type: TYPE C
 Temperature: 24.8 'C
 Operator: KOBE

Gamma Plane (°):0.0-180.0:5.0
 Test Device: GPM-3000
 Distance: 14.073 m
 Humidity: 48
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	188.6	188.6	188.6	188.6	188.6	188.6	188.6			
G5.0	172.2	162.9	160.4	163.3	172.8	181.9	188.2			
G10.0	124.6	59.1	45.3	62.3	129.0	169.7	186.3			
G15.0	43.5	42.9	55.7	40.0	41.6	149.7	182.4			
G20.0	55.0	134.8	151.2	130.2	44.6	113.5	177.0			
G25.0	125.3	148.6	154.9	148.6	113.7	60.1	170.0			
G30.0	137.1	140.9	147.5	141.0	137.8	45.2	161.7			
G35.0	128.5	133.4	142.2	132.8	128.8	50.5	151.7			
G40.0	118.7	127.2	134.8	126.5	118.9	80.0	140.9			
G45.0	110.7	117.3	125.1	117.4	110.2	100.9	128.6			
G50.0	100.5	106.3	114.8	106.3	101.1	93.5	115.8			
G55.0	89.3	95.9	104.2	95.7	89.7	81.4	101.9			
G60.0	77.9	86.4	96.3	86.5	77.7	69.3	86.8			
G65.0	68.5	78.1	89.6	79.1	68.4	59.1	71.7			
G70.0	61.2	72.2	84.0	73.6	61.7	47.1	56.5			
G75.0	54.5	67.2	85.0	68.9	56.2	36.8	40.6			
G80.0	50.6	78.9	84.0	73.5	54.3	31.0	25.5			
G85.0	44.2	64.1	70.4	69.1	48.6	24.5	11.2			
G90.0	29.0	43.1	56.9	52.7	37.6	13.5	1.4			
G95.0	17.7	37.0	64.3	36.2	15.5	9.6	15.5			
G100.0	31.7	27.1	36.9	29.7	29.6	35.1	35.5			
G105.0	51.5	56.9	60.4	58.8	52.8	44.9	56.7			
G110.0	78.3	75.5	80.1	75.5	79.0	64.3	78.1			
G115.0	85.5	101.1	101.4	98.7	84.4	82.1	99.7			
G120.0	104.5	106.9	114.7	105.3	104.3	97.5	121.1			
G125.0	123.5	126.3	130.9	123.9	122.7	112.5	140.7			
G130.0	140.8	145.7	149.9	142.3	140.8	129.3	158.6			
G135.0	156.1	162.9	168.1	159.1	156.2	133.6	170.8			
G140.0	168.4	178.7	184.0	174.7	167.5	93.4	180.0			
G145.0	181.9	190.1	197.2	186.2	182.7	70.0	182.3			
G150.0	187.6	201.3	206.2	196.8	194.6	72.0	182.4			
G155.0	91.1	211.0	216.9	208.0	112.0	111.5	180.0			
G160.0	42.9	113.0	165.9	115.4	53.6	147.3	178.2			
G165.0	91.5	32.5	44.8	37.8	101.0	161.5	176.6			
G170.0	148.1	103.6	113.8	140.1	162.8	156.2	188.3			
G175.0	189.9	147.7	114.9	141.2	169.2	188.4	214.9			
G180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C Plane (°):0.0-360.0: 22.5
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Gamma Plane (°):0.0-180.0:5.0
 Test Device: GPM-3000
 Distance: 14.073 m
 Humidity: 48
 Inspector: