

Report No.: PKS190411002-10

Test Time: 2019-4-15 17:15

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Luminaire Description: DS7331RBLED
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 53.31 W

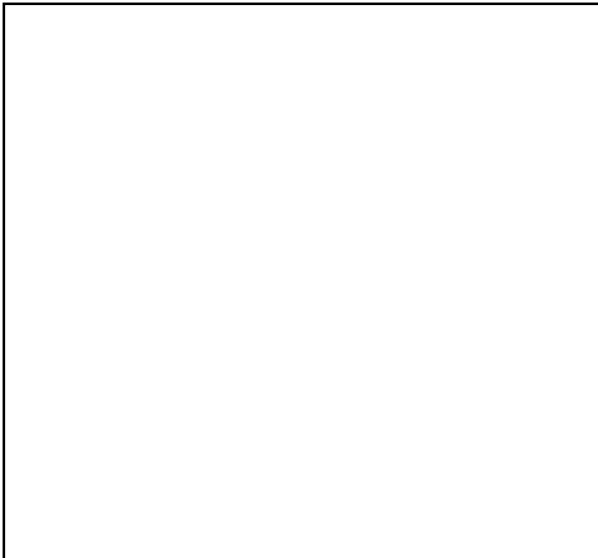
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.447 A
Power Factor: 0.994

Photometric Results

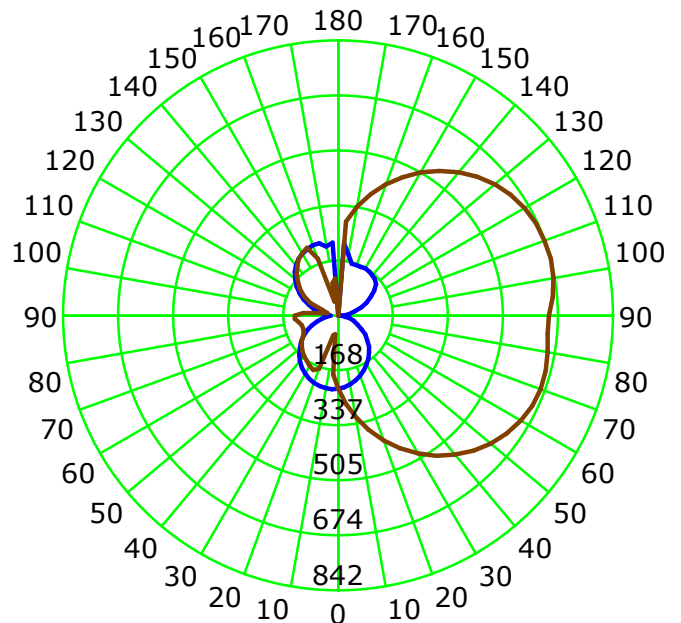
CIE Class: General Diffuse
Measurement Flux: 3194.5 lm
Downward Ratio: 49%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 359.0, 355.9, 358.0, 357.3
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 354.9, 182.5, 175.4, 171.8
Luminaire Efficacy Rating (LER): 59.97
Max. Intensity: 674.3 cd
S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 3194.5 lm
Efficiency: 100%
Upward Ratio: 51%
C0r0 Intensity: 225.2 cd
Pos of Max. Intensity: H90 V105
S/MH(C90/C270): 2.22

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

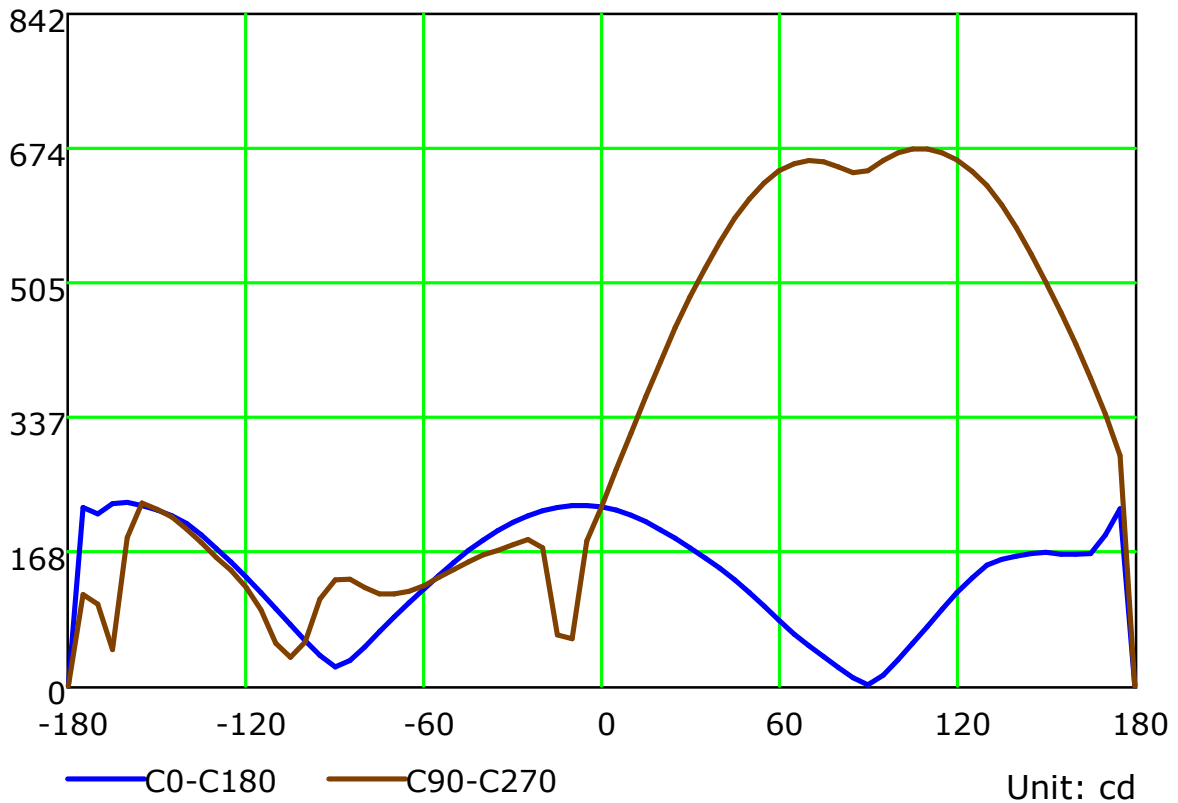
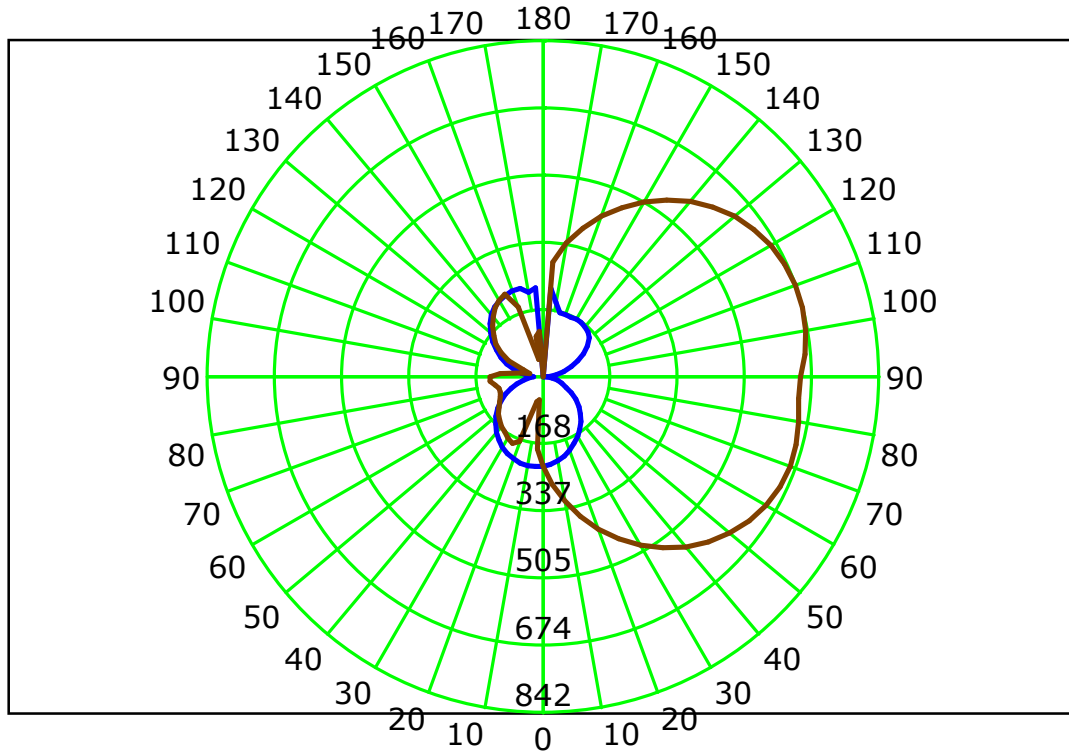
Average Diffuse Angle(50%): 268.7°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5
Test Lab: Bacl
Test Type: TYPE C
Temperature: 25.3 °C
Operator: KOBE

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

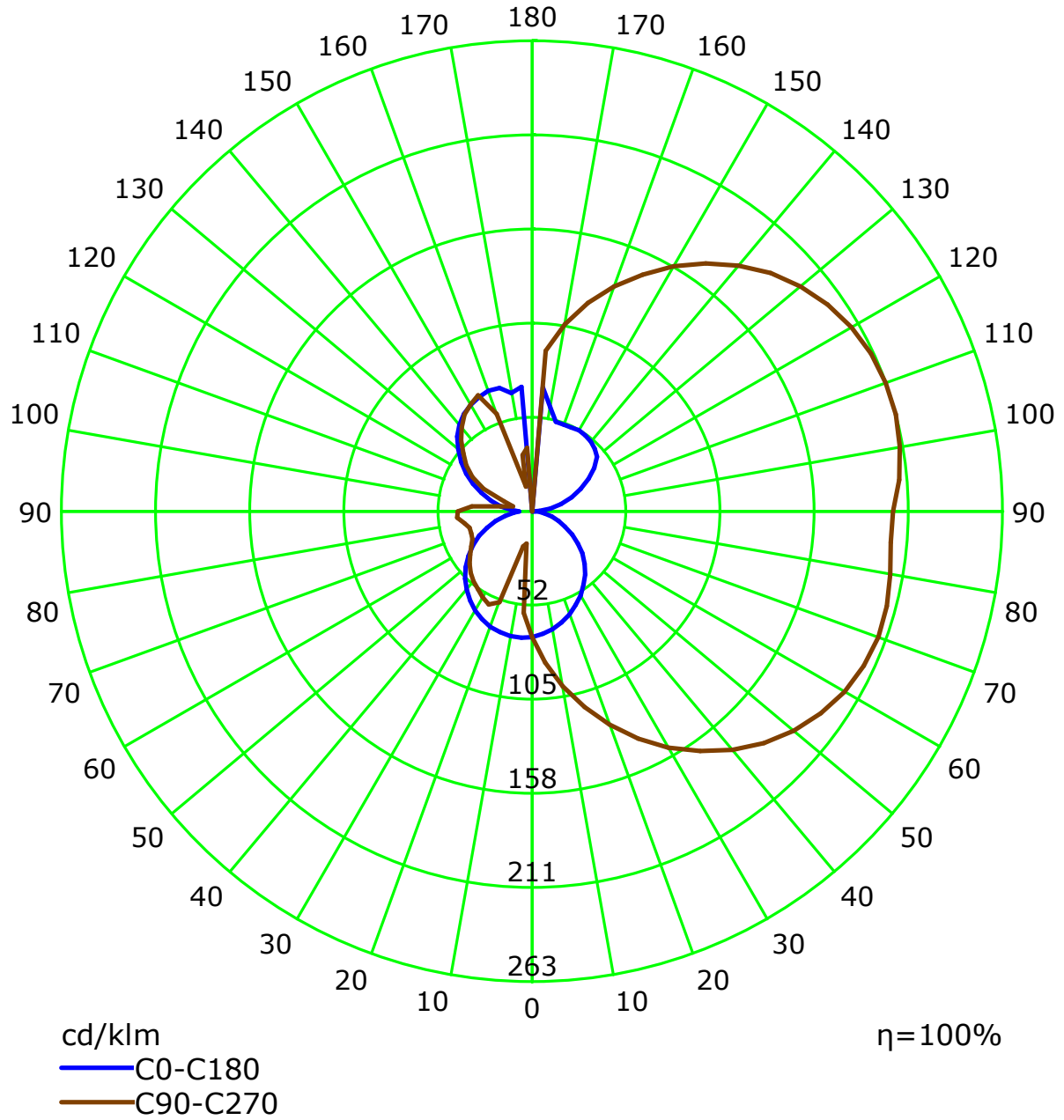
Luminous Intensity Distribution Curve



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

Luminous Intensity Distribution Curve(cd/klm)



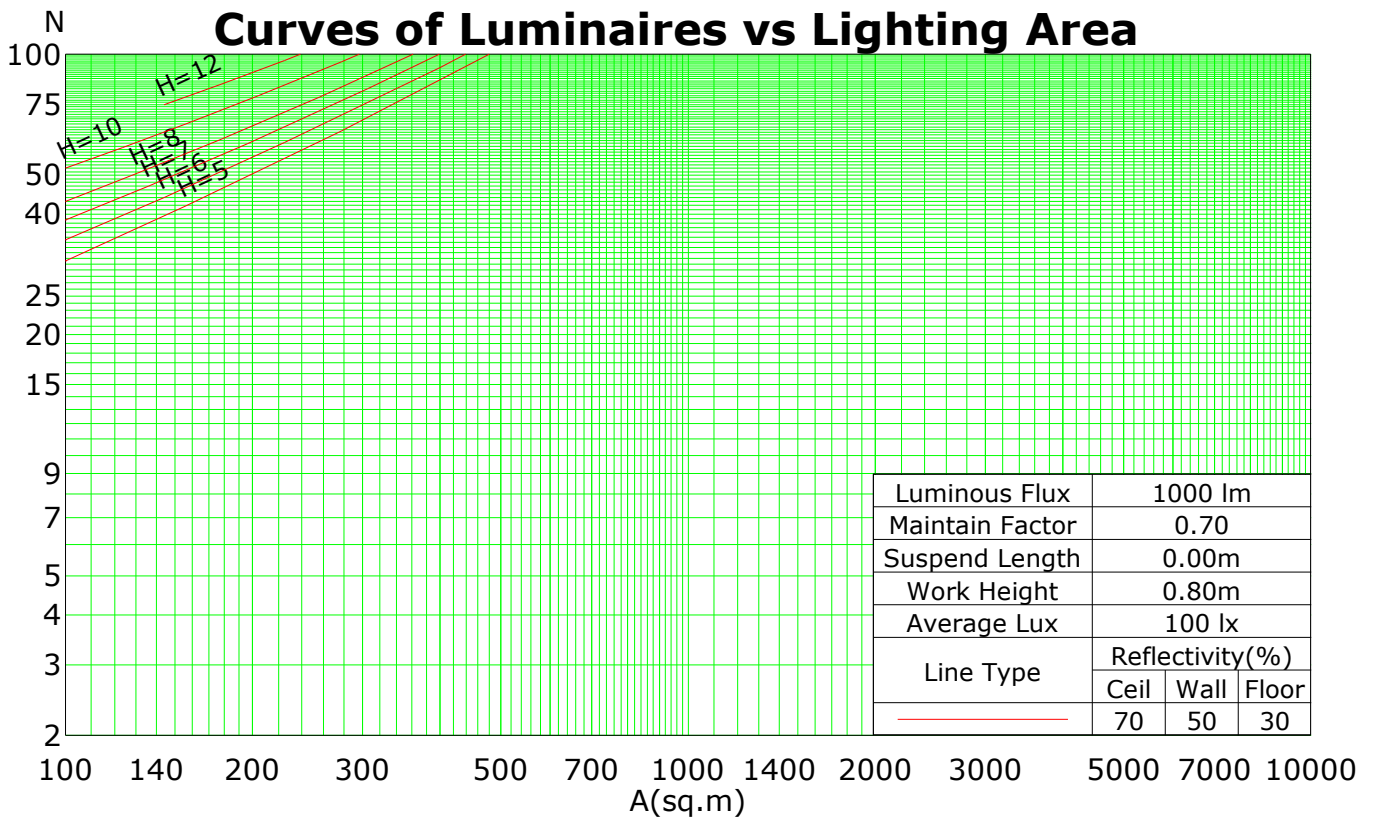
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Coefficients Of Utilization - Zonal Cavity Method

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	1.07	1.07	1.07	1.07	.99	.99	.99	.99	.83	.83	.83	.69	.69	.69	.55	.55	.55	.49
1	.94	.88	.82	.77	.86	.80	.76	.71	.67	.63	.60	.54	.52	.49	.43	.41	.39	.33
2	.84	.74	.67	.60	.76	.68	.61	.56	.56	.51	.47	.45	.42	.38	.35	.33	.30	.25
3	.75	.64	.55	.48	.69	.59	.51	.45	.48	.42	.37	.39	.34	.31	.30	.27	.24	.19
4	.68	.56	.47	.40	.62	.51	.43	.37	.42	.36	.31	.34	.29	.25	.26	.23	.19	.16
5	.62	.49	.40	.33	.57	.45	.37	.31	.37	.31	.26	.30	.25	.21	.23	.19	.16	.13
6	.57	.44	.35	.28	.52	.40	.32	.26	.33	.27	.22	.27	.22	.18	.21	.17	.14	.11
7	.53	.39	.30	.24	.48	.36	.28	.22	.30	.24	.19	.24	.19	.15	.19	.15	.12	.09
8	.49	.35	.27	.21	.44	.32	.25	.20	.27	.21	.16	.22	.17	.13	.17	.13	.10	.08
9	.45	.32	.24	.18	.41	.29	.22	.17	.25	.19	.14	.20	.15	.12	.16	.12	.09	.07
10	.42	.29	.21	.16	.38	.27	.20	.15	.23	.17	.13	.18	.14	.10	.14	.11	.08	.06

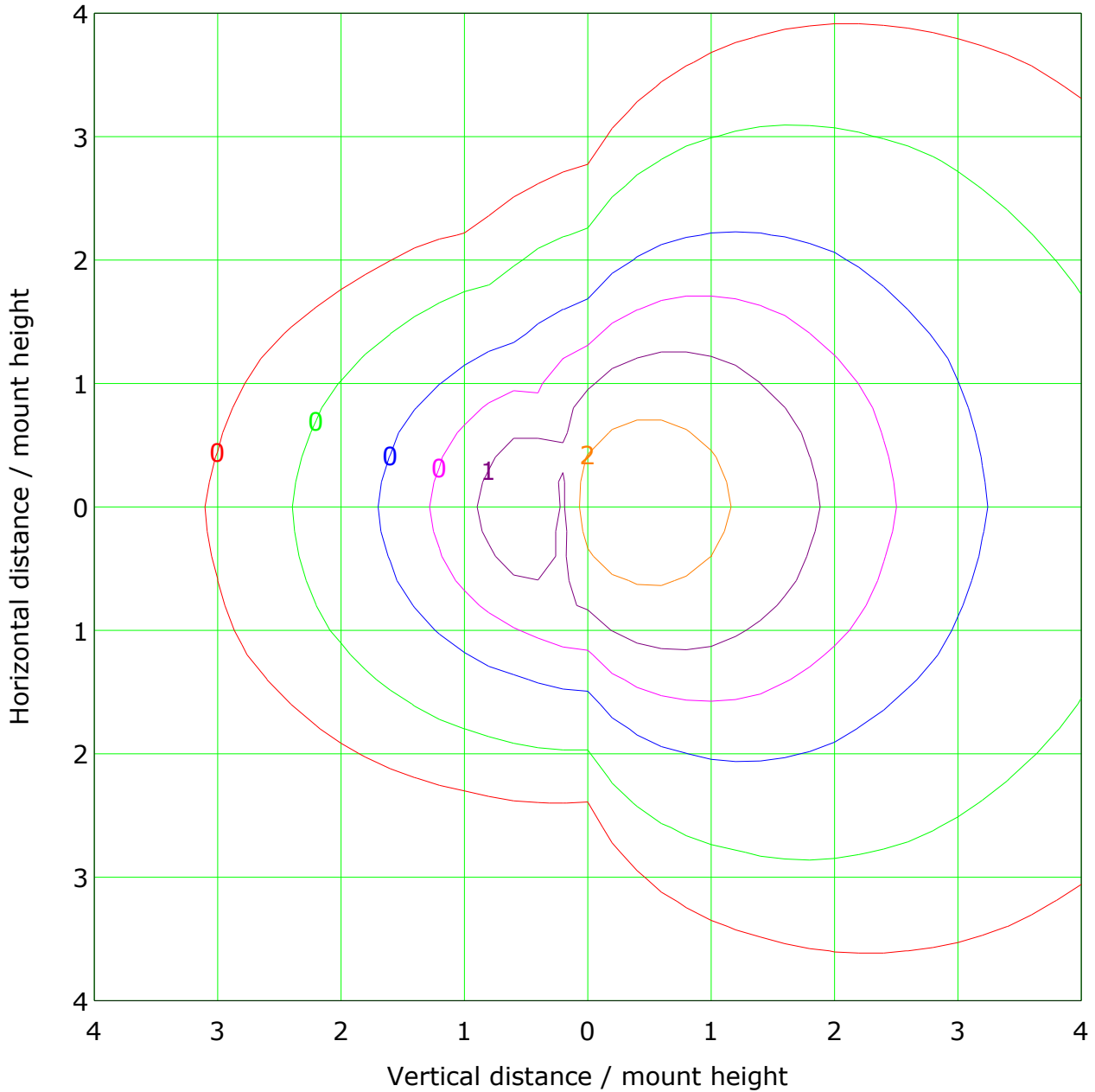
Spacing Criteria (0-180): 1.25
 Spacing Criteria (90-270): 2.22
 Spacing Criteria (Diagonal): 1.96



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 Test Lab: Bacl
 Test Type: TYPE C
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 Operator: KOBE

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

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.4 lx

— (1%): 0.0 lx	— (2%): 0.1 lx
— (5%): 0.2 lx	— (10%): 0.3 lx
— (20%): 0.7 lx	— (50%): 1.7 lx

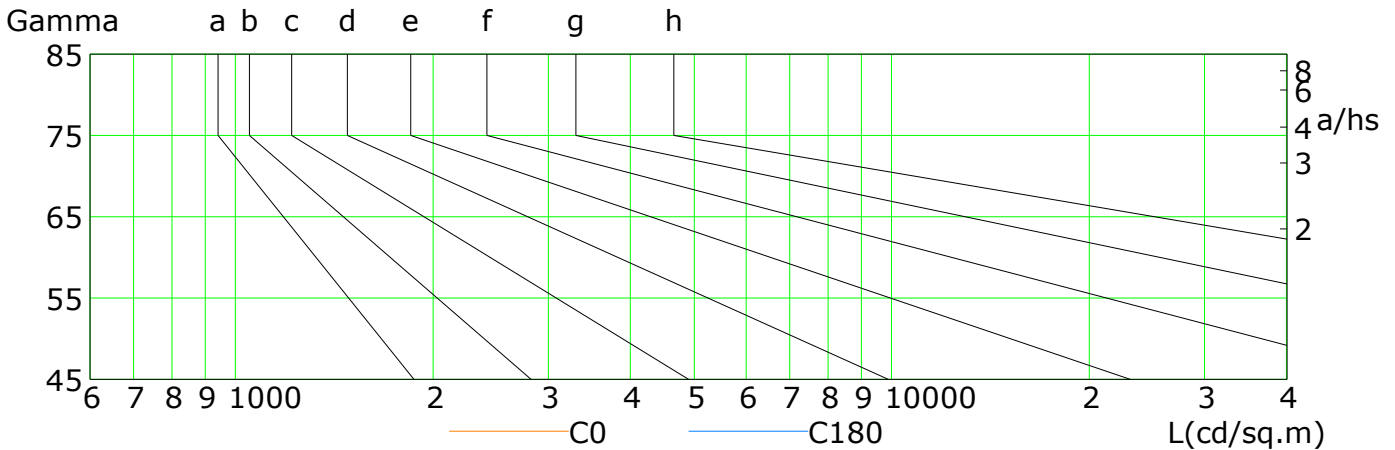
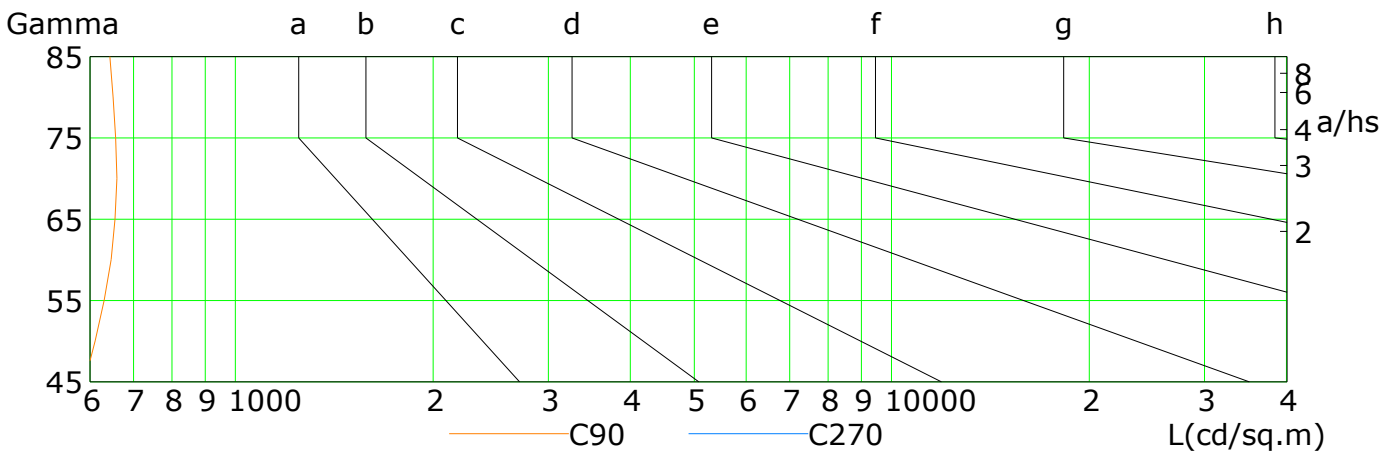
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Lum Limit Curve

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

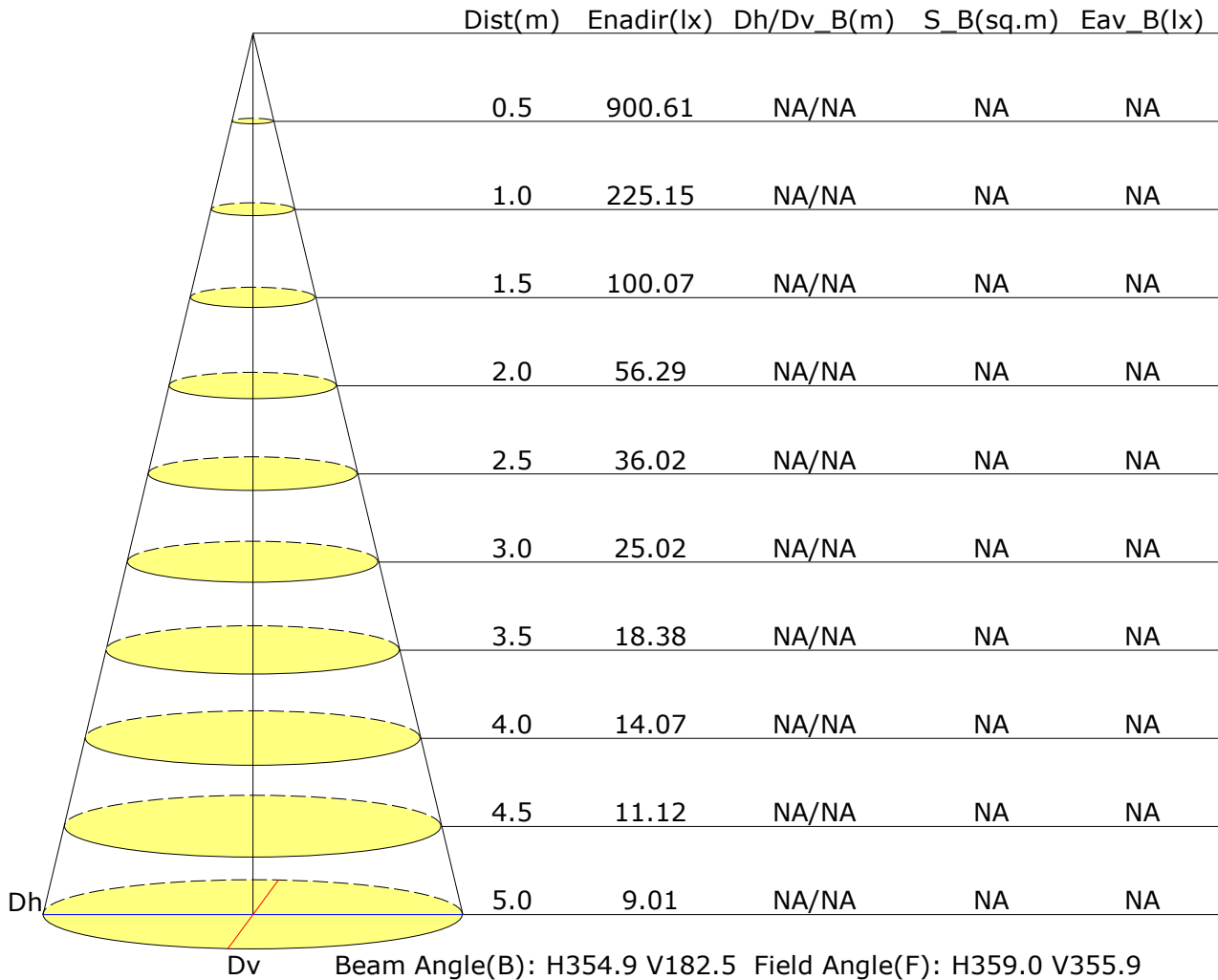


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	133	118	101	83	65	51	37	24	11
C90	587	612	631	647	656	660	658	651	645
C180	170	156	140	123	105	87	68	50	33
C270	156	147	137	126	119	116	116	124	135

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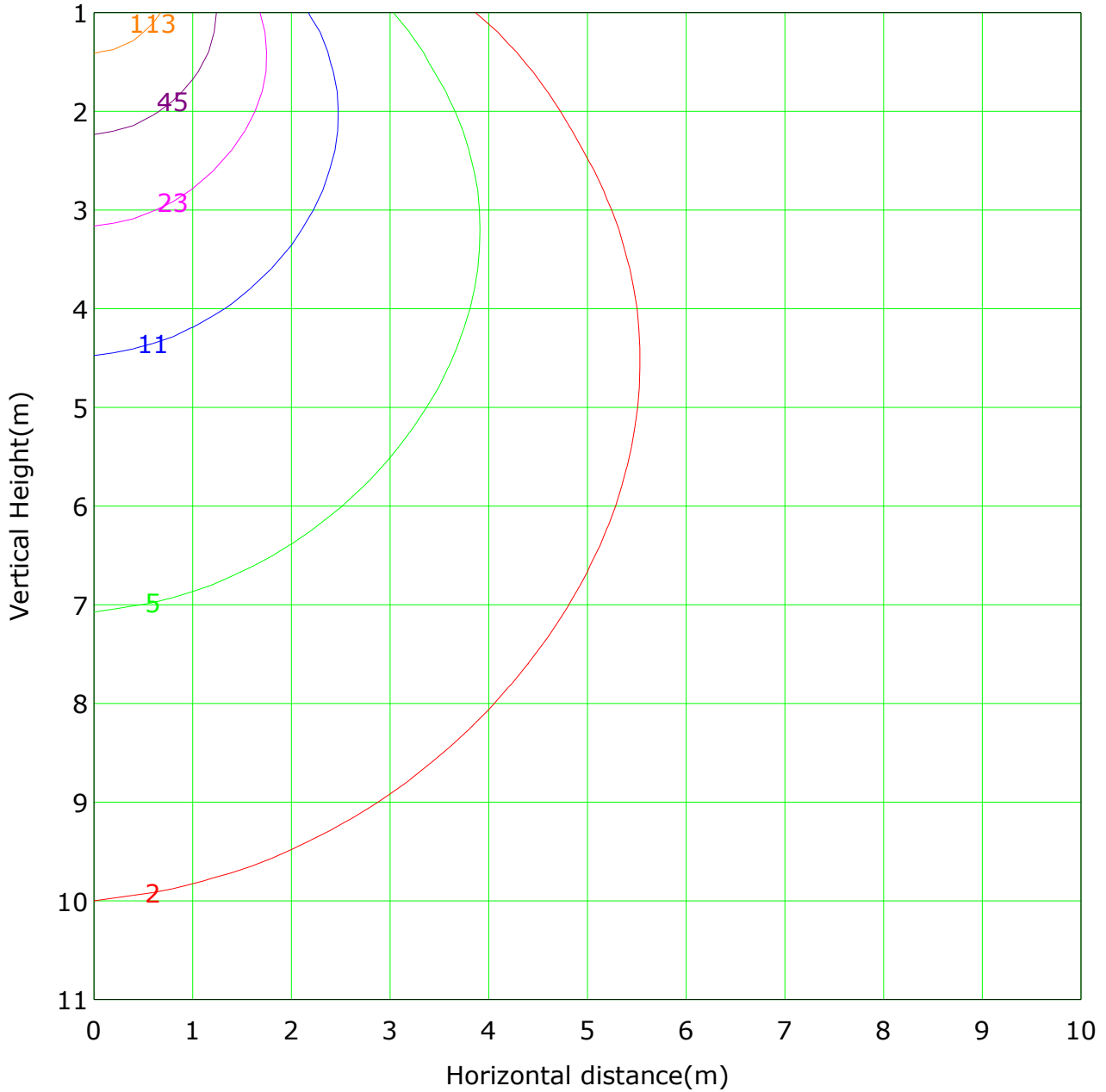
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
Test Lab: Bacl
Test Type: TYPE C
Temperature: 25.3 '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

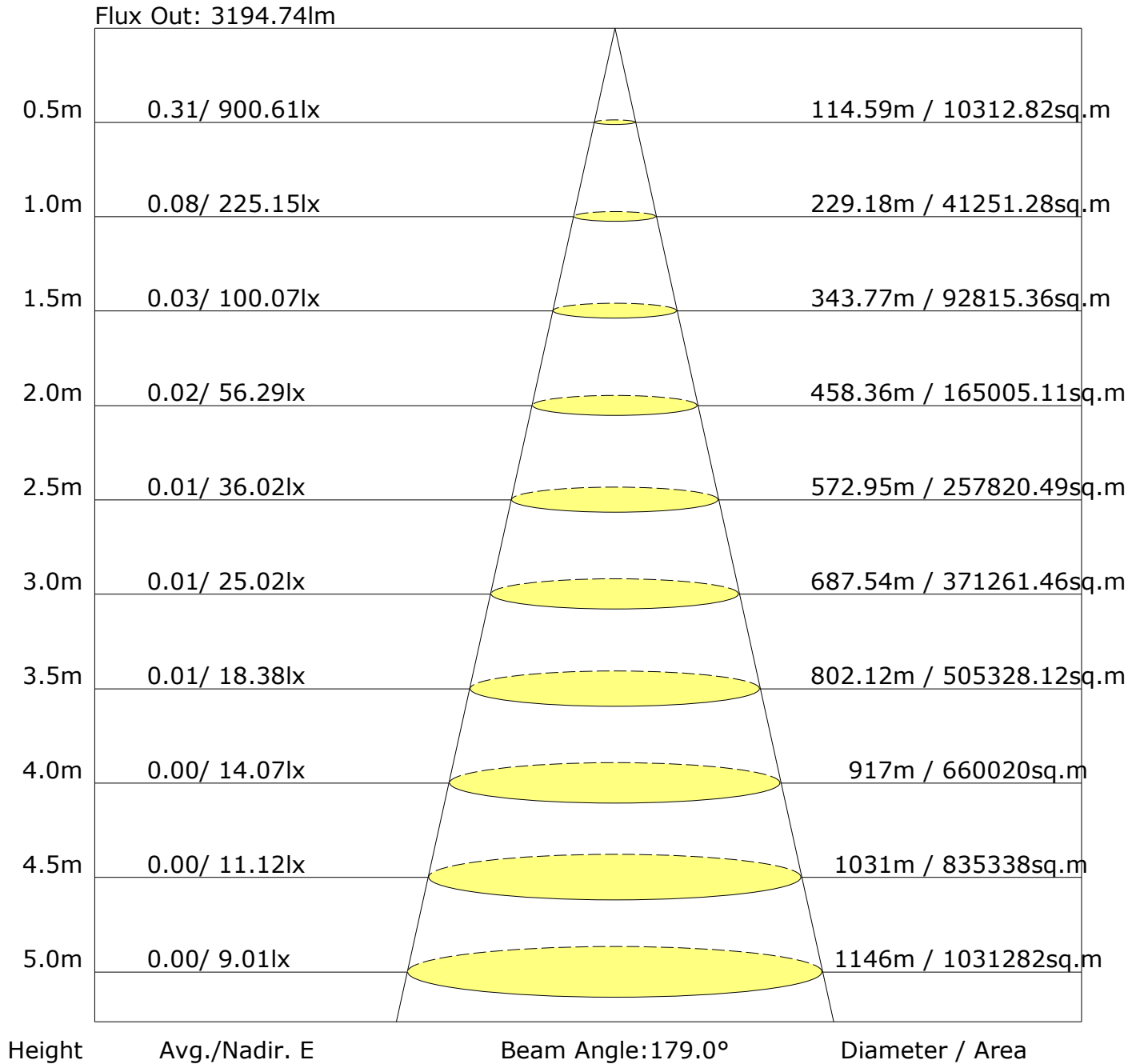


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 225.2 lx
— (1%): 2.3 lx	— (2%): 4.5 lx	
— (5%): 11.3 lx	— (10%): 22.5 lx	
— (20%): 45.0 lx	— (50%): 112.6 lx	

C Plane (°):0.0-360.0: 22.5
 Test Lab: Bacl
 Test Type: TYPE C
 Temperature: 25.3 'C
 Operator: KOBE

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

The Average Illuminance Effective Figure



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 Test Type: TYPE C
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 Operator: KOBE

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 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 $3194lm$ ($8\log(F/F_0) = 4.0$).

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 Test Type: TYPE C
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 Operator: KOBE

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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 = 2.00									
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	0.48	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	0.67	0.73	0.77	
		0.20	NA	0.34	0.40	0.45	0.53	0.58	0.62	0.69	0.73	
0.50	0.50	0.20	NA	0.40	0.45	0.49	0.54	0.58	0.61	0.65	0.68	
		0.30	NA	0.34	0.39	0.43	0.49	0.53	0.57	0.61	0.64	
		0.20	NA	0.31	0.34	0.38	0.45	0.49	0.53	0.58	0.61	
0.30	0.50	0.20	NA	0.33	0.37	0.40	0.44	0.47	0.50	0.53	0.55	
		0.30	NA	0.28	0.32	0.35	0.40	0.44	0.46	0.50	0.53	
		0.20	NA	0.25	0.28	0.32	0.37	0.41	0.43	0.48	0.50	
0.00	0.00	0.00	NA	0.17	0.19	0.21	0.25	0.28	0.30	0.33	0.35	
<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 = 2.00									
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	0.74	0.66	0.54	0.46	0.41	0.33	0.28	
		0.30	NA	0.71	0.64	0.58	0.49	0.43	0.38	0.31	0.26	
		0.20	NA	0.62	0.57	0.52	0.45	0.39	0.35	0.29	0.25	
0.50	0.50	0.20	NA	0.71	0.63	0.57	0.47	0.41	0.35	0.29	0.24	
		0.30	NA	0.62	0.56	0.51	0.43	0.37	0.33	0.27	0.23	
		0.20	NA	0.54	0.50	0.46	0.39	0.35	0.31	0.26	0.22	
0.30	0.50	0.20	NA	0.60	0.54	0.48	0.40	0.35	0.31	0.25	0.21	
		0.30	NA	0.53	0.48	0.44	0.37	0.32	0.29	0.24	0.21	
		0.20	NA	0.47	0.43	0.40	0.34	0.30	0.27	0.23	0.20	
0.00	0.00	0.00	0.49	0.33	0.31	0.28	0.24	0.22	0.20	0.17	0.15	
<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 = 2.00									
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	0.67	0.68	0.68	0.69	0.69	0.70	0.70	0.70	
		0.30	NA	0.60	0.61	0.62	0.64	0.64	0.65	0.66	0.67	
		0.20	NA	0.55	0.56	0.57	0.59	0.60	0.61	0.63	0.64	
0.50	0.50	0.20	NA	0.64	0.65	0.66	0.66	0.67	0.67	0.67	0.67	
		0.30	NA	0.59	0.60	0.61	0.62	0.62	0.63	0.64	0.64	
		0.20	NA	0.55	0.56	0.56	0.58	0.59	0.60	0.61	0.62	
0.30	0.50	0.20	NA	0.62	0.63	0.63	0.64	0.64	0.64	0.64	0.64	
		0.30	NA	0.58	0.58	0.59	0.60	0.61	0.61	0.62	0.62	
		0.20	NA	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.60	
0.00	0.00	0.00	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51		

Rating:53W Photometrically tested without ceiling board.
 Multiply UF values by service correction factors
 Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-5.0	225.2	5.4	5.4	0.17	0.17
5.0-10.0	217.2	15.5	20.9	0.49	0.65
10.0-15.0	206.4	24.5	45.4	0.77	1.42
15.0-20.0	215.8	35.6	81.0	1.11	2.53
20.0-25.0	237.1	49.7	130.7	1.56	4.09
25.0-30.0	251.0	63.5	194.2	1.99	6.08
30.0-35.0	259.4	76.4	270.6	2.39	8.47
35.0-40.0	266.1	88.8	359.4	2.78	11.25
40.0-45.0	270.6	100.2	459.6	3.14	14.39
45.0-50.0	272.0	109.9	569.6	3.44	17.83
50.0-55.0	270.2	117.5	687.1	3.68	21.51
55.0-60.0	265.7	122.8	809.9	3.85	25.35
60.0-65.0	259.6	126.2	936.1	3.95	29.30
65.0-70.0	252.7	128.0	1064.1	4.01	33.31
70.0-75.0	245.5	128.3	1192.4	4.02	37.33
75.0-80.0	239.0	127.9	1320.3	4.00	41.33
80.0-85.0	234.8	127.6	1448.0	3.99	45.33
85.0-90.0	231.8	126.9	1574.9	3.97	49.30
90.0-95.0	228.5	125.2	1700.0	3.92	53.22
95.0-100.0	225.1	122.3	1822.4	3.83	57.05
100.0-105.0	227.6	121.8	1944.1	3.81	60.86
105.0-110.0	240.2	125.6	2069.7	3.93	64.79
110.0-115.0	256.9	130.1	2199.8	4.07	68.86
115.0-120.0	271.7	132.1	2331.9	4.13	73.00
120.0-125.0	282.0	130.4	2462.3	4.08	77.08
125.0-130.0	289.0	125.7	2587.9	3.93	81.01
130.0-135.0	292.6	118.3	2706.2	3.70	84.72
135.0-140.0	293.2	108.6	2814.8	3.40	88.11
140.0-145.0	290.3	96.9	2911.6	3.03	91.15
145.0-150.0	283.5	83.5	2995.1	2.61	93.76
150.0-155.0	271.4	68.7	3063.8	2.15	95.91
155.0-160.0	247.9	52.0	3115.8	1.63	97.54
160.0-165.0	219.4	36.2	3152.0	1.13	98.67
165.0-170.0	209.8	24.9	3176.9	0.78	99.45
170.0-175.0	210.9	15.1	3192.0	0.47	99.92
175.0-180.0	104.2	2.5	3194.5	0.08	100.00

C Plane (°):0.0-360.0: 22.5
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 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:

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	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2
G5.0	220.8	238.2	253.6	264.6	272.2	267.1	258.3	243.7	227.2	208.8
G10.0	214.7	249.1	281.4	304.2	317.9	309.8	290.5	261.2	226.8	196.3
G15.0	206.4	258.2	307.4	343.2	363.0	351.1	321.7	276.4	224.7	179.3
G20.0	196.6	265.0	331.2	379.8	407.0	390.7	349.9	289.0	220.3	152.9
G25.0	185.7	269.5	353.0	414.6	449.8	428.7	376.7	299.5	213.8	108.0
G30.0	173.9	271.8	372.2	447.3	488.4	464.2	401.4	307.9	205.6	69.9
G35.0	161.3	272.4	388.7	476.8	524.8	496.4	422.6	313.8	195.3	63.3
G40.0	147.9	270.8	401.6	502.9	557.8	526.8	441.0	317.2	183.5	69.9
G45.0	133.3	266.5	412.2	526.3	587.0	551.3	456.2	318.3	170.2	94.6
G50.0	117.5	260.7	420.4	545.2	611.5	574.3	468.7	316.3	155.6	103.0
G55.0	100.7	252.8	424.1	561.0	631.5	591.5	478.0	312.7	139.6	92.4
G60.0	83.0	242.4	425.0	571.2	646.5	603.9	482.5	305.4	122.6	79.1
G65.0	65.3	230.5	422.8	577.7	655.8	610.7	484.0	296.6	104.9	66.2
G70.0	50.8	217.2	417.6	578.2	659.7	613.2	480.9	285.9	86.8	54.5
G75.0	37.2	202.2	408.3	575.1	657.8	611.0	473.7	273.2	68.3	42.1
G80.0	23.8	186.3	396.4	567.5	651.4	604.4	462.3	258.0	49.7	32.7
G85.0	11.2	169.2	384.1	558.3	644.5	596.3	450.3	242.6	32.5	36.4
G90.0	1.9	162.3	382.6	560.3	646.8	598.3	449.5	237.6	24.1	26.4
G95.0	14.1	176.2	397.3	573.9	659.9	610.4	463.5	252.1	38.9	11.7
G100.0	33.3	194.2	412.7	586.0	669.3	621.2	477.8	269.1	57.6	33.1
G105.0	54.2	211.7	425.8	594.5	674.3	626.4	489.9	284.9	77.3	48.2
G110.0	75.2	227.5	436.3	599.3	673.6	628.8	497.7	298.3	97.5	65.9
G115.0	96.6	242.2	443.0	598.3	669.4	625.8	501.3	309.2	117.7	83.6
G120.0	117.7	254.9	446.0	594.0	660.2	618.4	500.7	318.6	137.2	97.8
G125.0	135.9	266.1	445.3	583.7	645.9	606.9	496.2	325.3	155.8	114.0
G130.0	152.5	275.4	441.5	570.2	627.9	589.7	487.6	329.4	173.4	117.4
G135.0	159.6	283.0	434.7	551.4	604.0	568.6	475.4	330.8	189.9	83.5
G140.0	163.8	288.3	424.4	529.8	575.5	543.0	460.2	330.2	204.1	71.1
G145.0	166.6	291.4	411.9	502.8	542.4	514.4	440.6	326.3	214.0	84.8
G150.0	167.9	292.4	395.7	473.2	507.3	481.5	418.6	309.4	221.3	120.8
G155.0	166.2	290.9	377.1	440.9	468.4	445.4	391.8	278.0	226.6	144.9
G160.0	165.9	285.9	356.7	405.8	429.2	408.1	344.0	257.5	230.5	160.0
G165.0	166.4	274.2	332.6	369.0	386.8	367.0	284.6	223.8	229.4	165.6
G170.0	190.2	243.2	293.2	329.8	341.3	311.4	227.8	207.4	216.2	180.3
G175.0	223.0	235.8	240.7	256.0	289.3	206.2	210.1	224.8	224.8	214.6
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: 25.3 '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	225.2	225.2	225.2	225.2	225.2	225.2	225.2			
G5.0	197.6	188.0	182.5	184.7	193.6	202.7	220.8			
G10.0	157.9	87.9	59.4	71.9	132.6	184.4	214.7			
G15.0	65.4	50.1	64.9	52.0	44.9	150.2	206.4			
G20.0	53.5	135.6	173.8	155.8	61.5	83.5	196.6			
G25.0	104.4	178.5	184.6	177.4	147.0	49.1	185.7			
G30.0	156.0	171.2	178.1	170.0	160.7	53.4	173.9			
G35.0	154.1	162.5	170.5	162.6	151.8	92.4	161.3			
G40.0	142.8	154.4	164.6	155.3	141.8	127.5	147.9			
G45.0	131.2	146.8	156.1	147.2	132.2	124.8	133.3			
G50.0	120.5	136.4	146.8	138.2	123.9	111.6	117.5			
G55.0	108.3	126.3	136.6	128.7	113.3	98.2	100.7			
G60.0	95.6	116.4	126.2	118.6	102.7	85.8	83.0			
G65.0	83.0	106.5	118.9	111.6	91.7	73.2	65.3			
G70.0	71.5	100.6	116.1	108.3	84.5	60.6	50.8			
G75.0	65.5	99.4	116.3	108.6	83.7	47.7	37.2			
G80.0	68.6	105.5	123.7	115.3	89.3	43.1	23.8			
G85.0	81.9	124.3	134.8	121.0	98.6	50.2	11.2			
G90.0	76.3	119.6	133.9	121.8	98.7	41.8	1.9			
G95.0	46.4	90.4	109.3	97.7	70.6	19.1	14.1			
G100.0	20.3	40.6	55.8	50.4	29.3	19.9	33.3			
G105.0	43.5	30.8	36.2	32.0	31.2	50.6	54.2			
G110.0	71.8	63.5	53.8	51.1	66.9	68.4	75.2			
G115.0	91.1	97.0	96.0	89.8	95.1	87.8	96.6			
G120.0	110.7	134.9	123.7	116.5	110.5	107.3	117.7			
G125.0	130.4	137.1	145.4	132.8	129.9	125.0	135.9			
G130.0	149.8	156.9	161.9	151.9	148.3	138.5	152.5			
G135.0	166.5	174.5	180.5	170.0	165.1	154.6	159.6			
G140.0	178.4	191.7	197.1	186.1	181.0	164.9	163.8			
G145.0	191.3	205.9	212.3	201.0	190.7	103.3	166.6			
G150.0	170.7	214.2	221.8	209.1	203.2	66.6	167.9			
G155.0	69.1	222.9	230.2	218.3	163.5	76.0	166.2			
G160.0	47.5	99.1	186.5	148.7	59.9	136.9	165.9			
G165.0	119.6	39.1	46.4	40.9	81.6	172.3	166.4			
G170.0	165.1	124.9	103.3	143.3	173.4	163.4	190.2			
G175.0	203.3	170.9	115.1	156.2	171.7	192.4	223.0			
G180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

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