

Report No.: PKS190411002-10

Test Time: 2019-4-16 17:23

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: DS73V3XX

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.0 V

Power: 29.06 W

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.245 A

Power Factor: 0.987

## Photometric Results

CIE Class: General Diffuse

Measurement Flux: 2322.3 lm

Downward Ratio: 51%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 359.3, 360.0, 360.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 181.5, 179.9, 172.5

Luminaire Efficacy Rating (LER): 79.96

Max. Intensity: 484.5 cd

S/MH(C0/C180): 1.28

Total Rated Lamp Lumens: 2322.3 lm

Efficiency: 100%

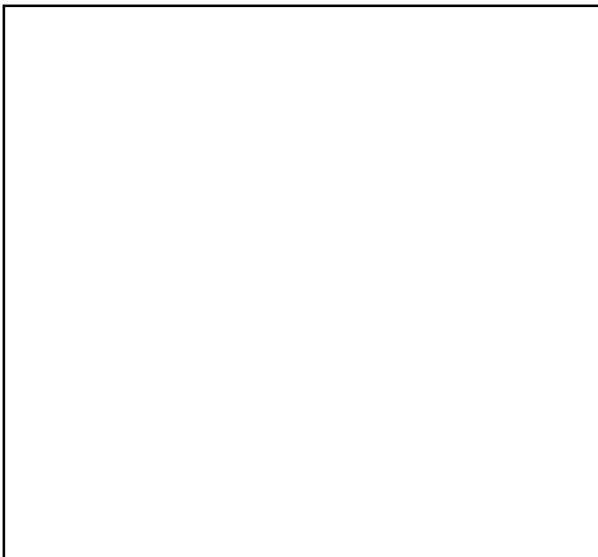
Upward Ratio: 49%

C0r0 Intensity: 163.3 cd

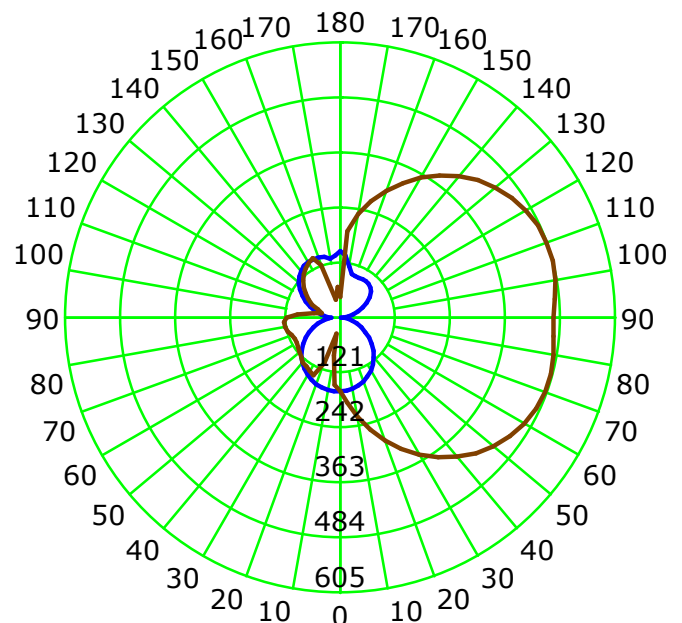
Pos of Max. Intensity: H90 V105

S/MH(C90/C270): 2.25

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 270.7°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab: Bacl

Test Type: TYPE C

Temperature: 25.4 °C

Operator: KOBE

Gamma Plane (°):0.0-180.0:5.0

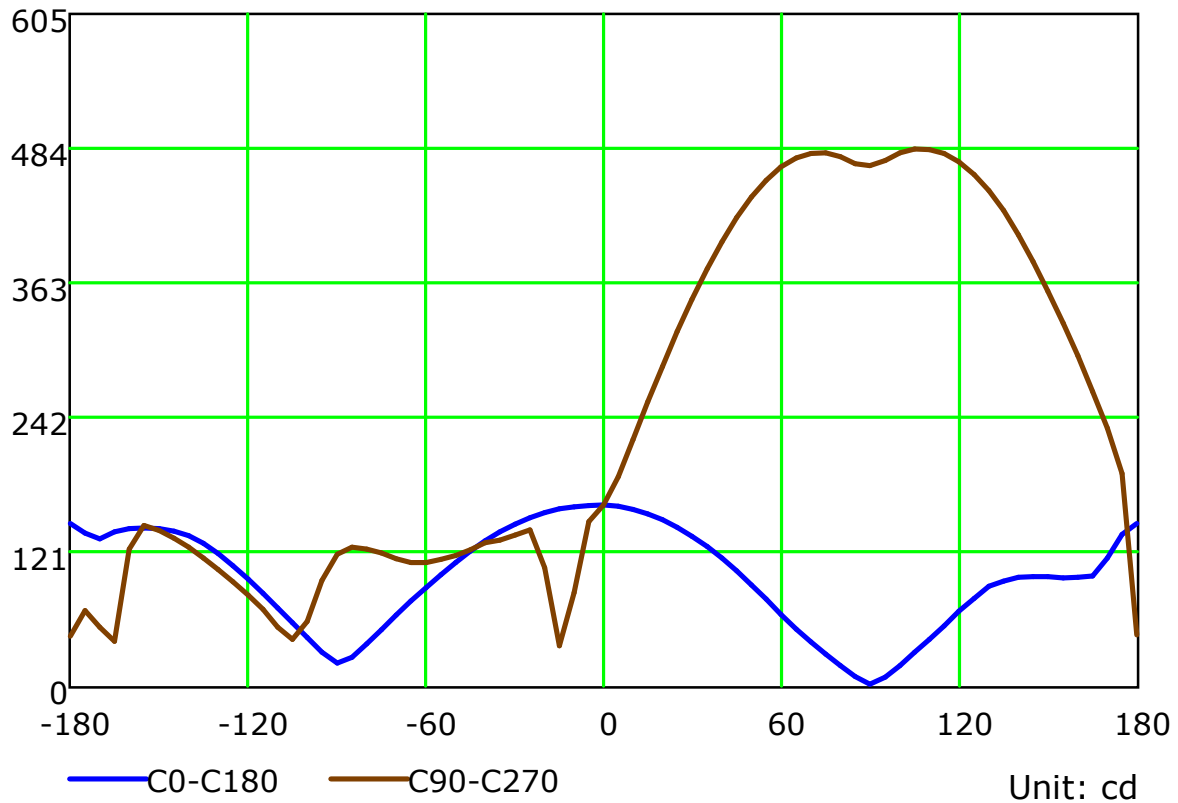
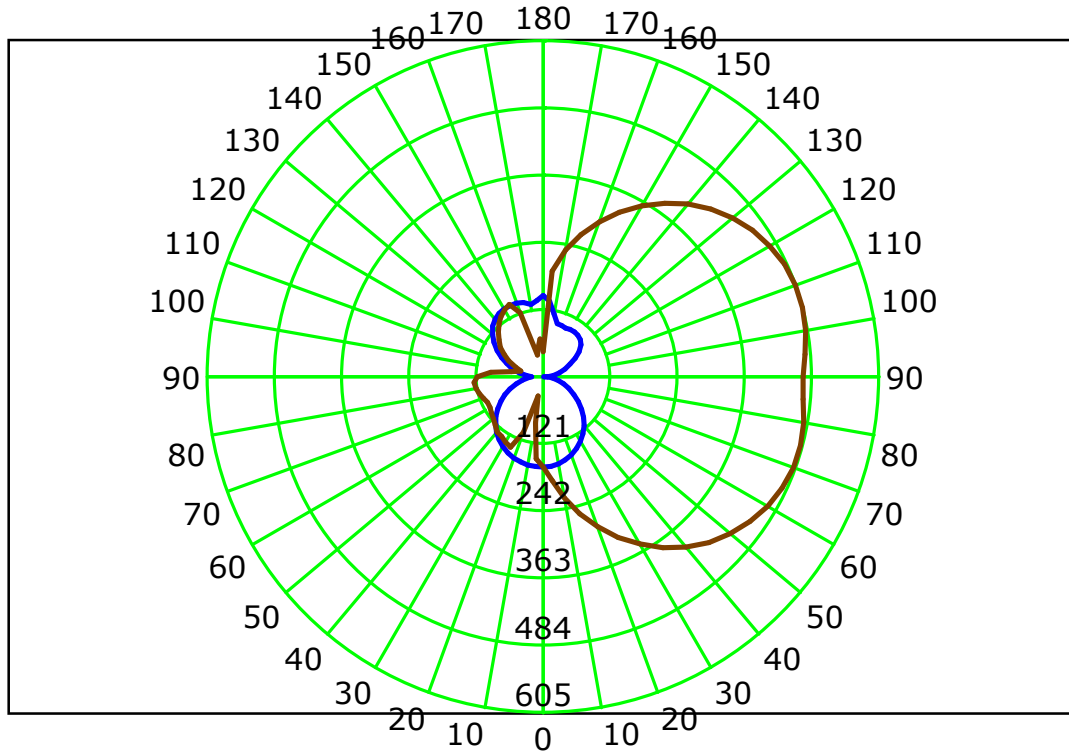
Test Device: GPM-3000

Distance: 14.073 m

Humidity: 48

Inspector:

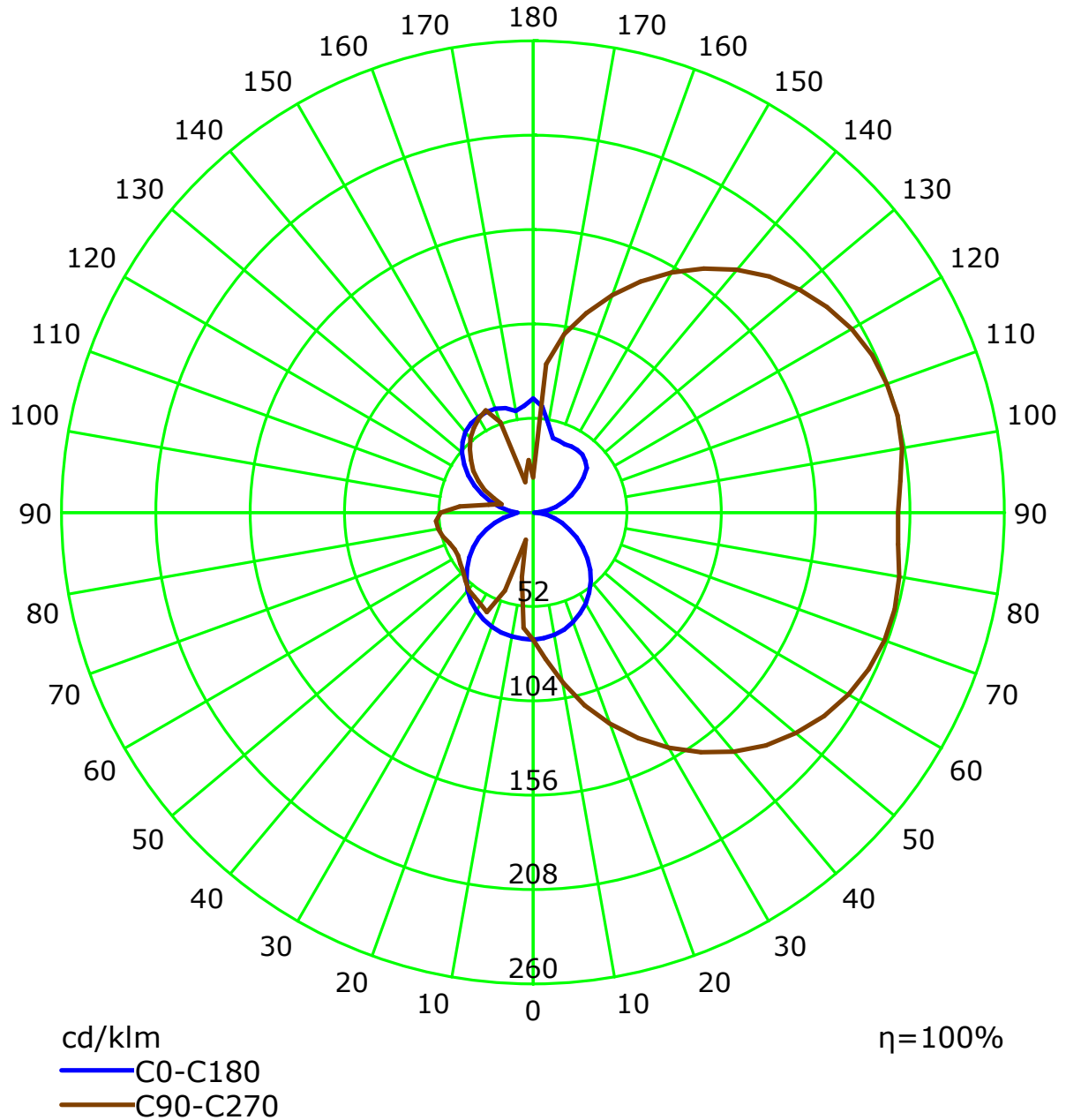
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5  
Test Lab: Bacl  
Test Type: TYPE C  
Temperature: 25.4 '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)



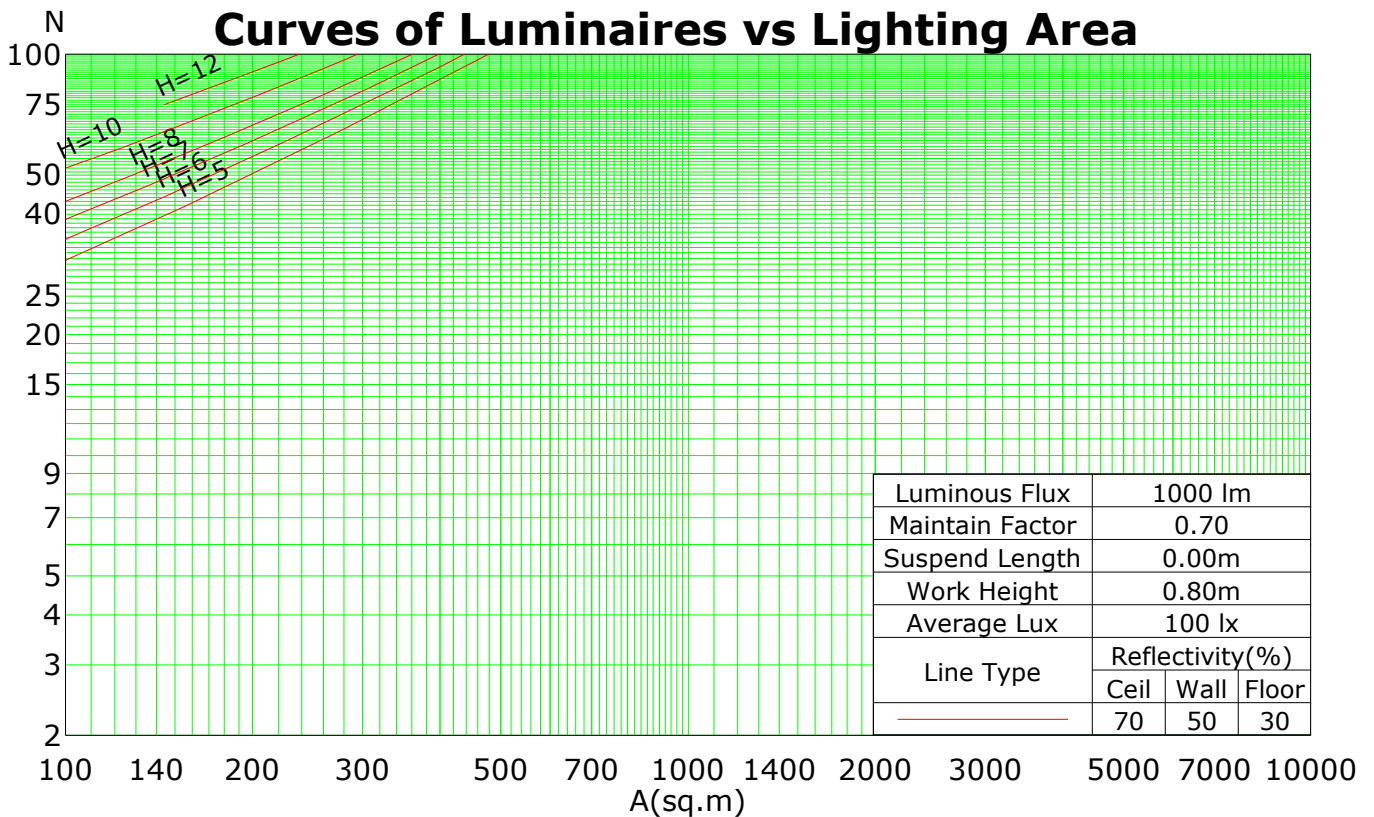
C Plane (°):0.0-360.0: 22.5  
 Test Lab: Bacl  
 Test Type: TYPE C  
 Temperature: 25.4 'C  
 Operator: KOBE

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

## 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	.84	.84	.84	.70	.70	.70	.57	.57	.57	.51
1	.94	.88	.82	.77	.86	.81	.76	.71	.67	.64	.60	.55	.52	.50	.44	.42	.40	.34
2	.84	.74	.66	.60	.76	.68	.61	.55	.57	.51	.47	.46	.42	.38	.36	.33	.30	.25
3	.75	.64	.55	.48	.69	.59	.51	.44	.49	.42	.37	.39	.35	.31	.31	.27	.24	.20
4	.68	.56	.46	.39	.62	.51	.43	.36	.42	.36	.31	.34	.29	.25	.27	.23	.20	.16
5	.62	.49	.40	.33	.57	.45	.37	.30	.37	.31	.26	.30	.25	.21	.24	.20	.16	.13
6	.57	.44	.34	.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	.23	.19	.24	.19	.15	.19	.15	.12	.09
8	.49	.35	.27	.21	.44	.32	.25	.19	.27	.21	.16	.22	.17	.13	.17	.13	.11	.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	.19	.14	.10	.15	.11	.08	.06

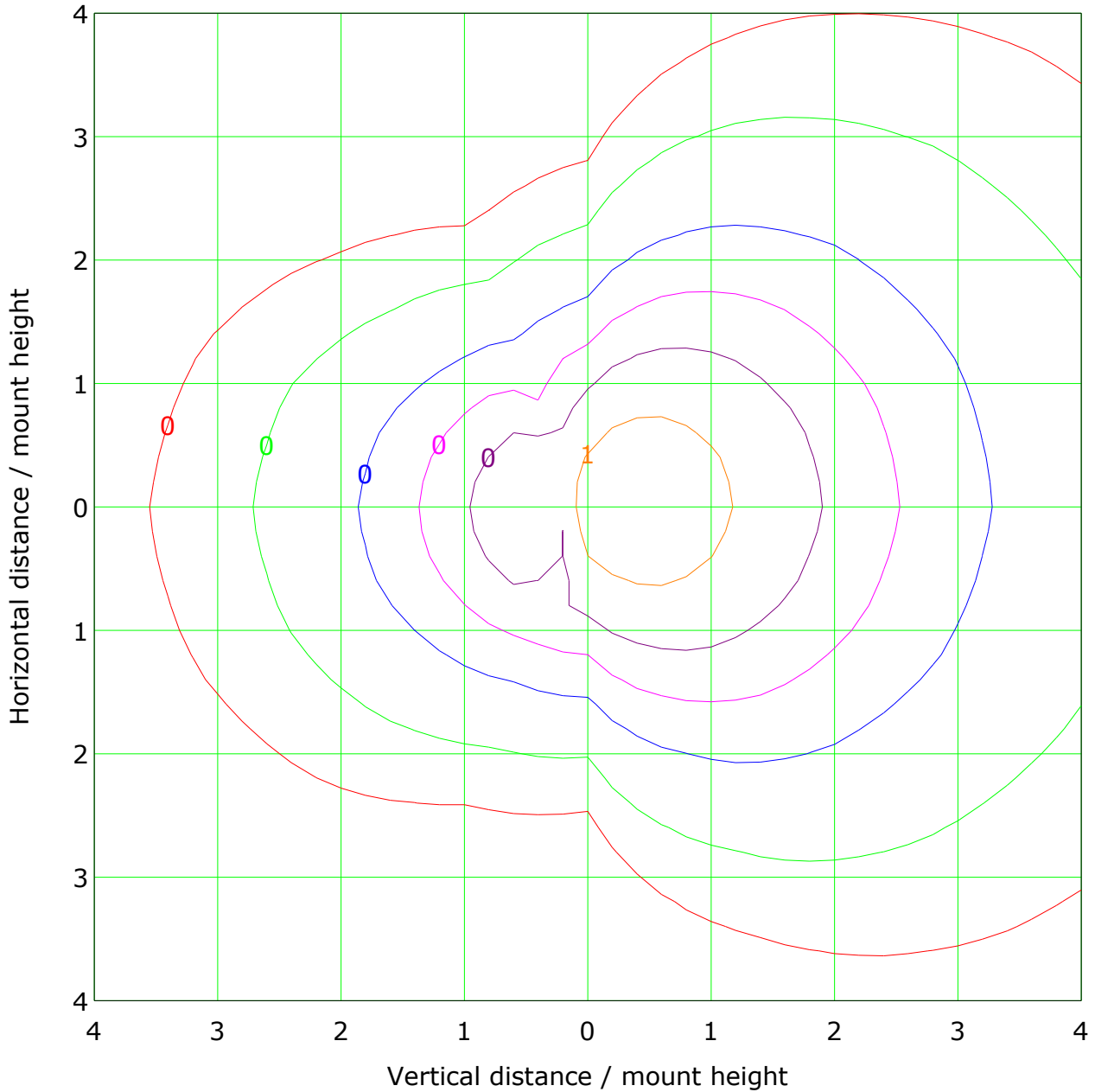
Spacing Criteria (0-180): 1.28  
 Spacing Criteria (90-270): 2.25  
 Spacing Criteria (Diagonal): 1.99



C Plane (°):0.0-360.0: 22.5  
 Test Lab: Bacl  
 Test Type: TYPE C  
 Temperature: 25.4 'C  
 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%): 2.4 lx

( 1%): 0.0 lx	( 2%): 0.0 lx
( 5%): 0.1 lx	( 10%): 0.2 lx
( 20%): 0.5 lx	( 50%): 1.2 lx

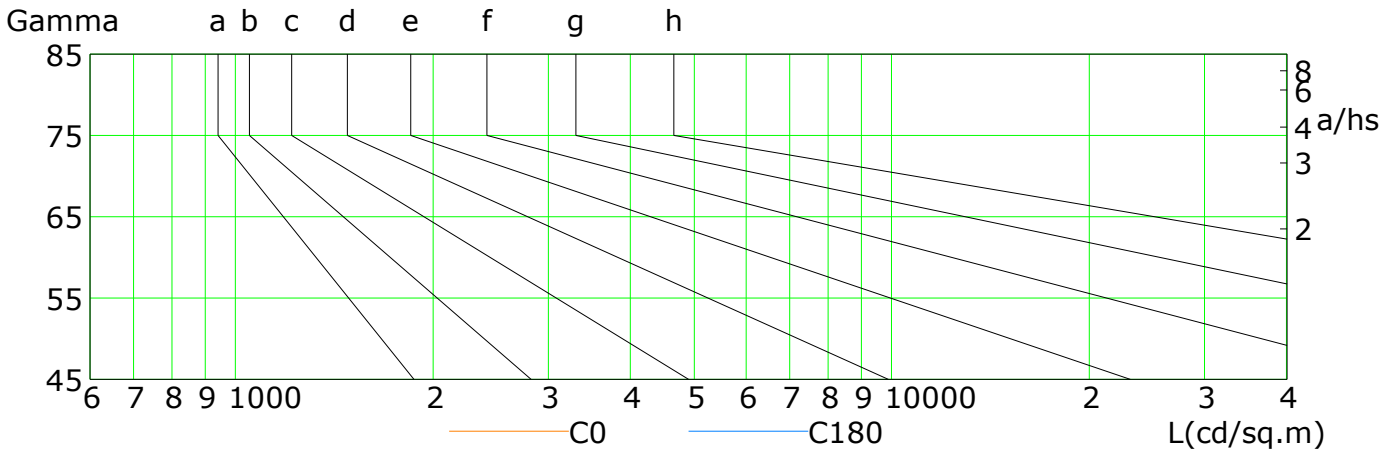
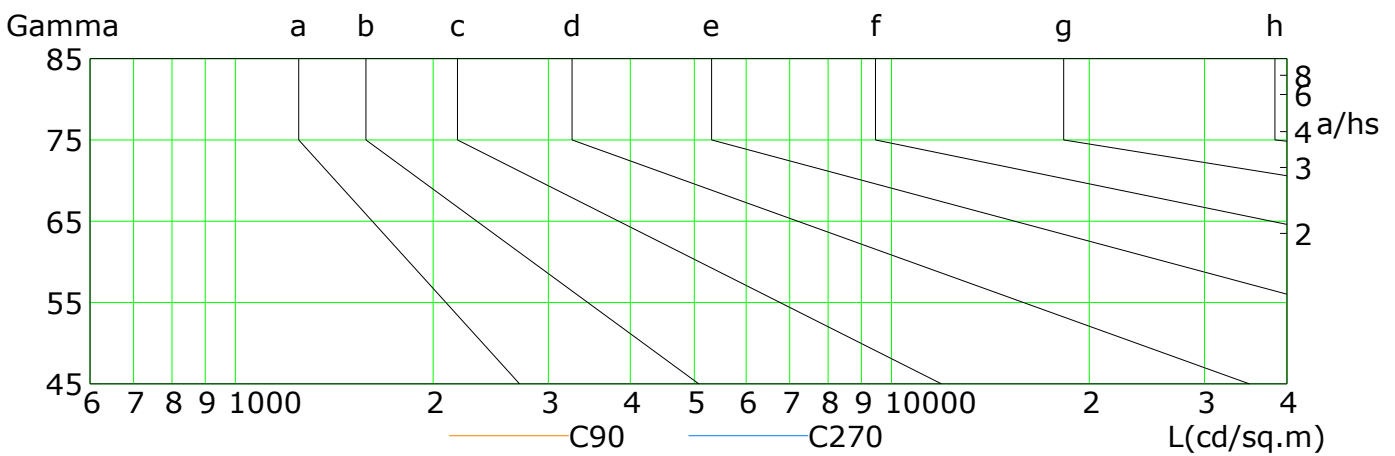
C Plane (°):0.0-360.0: 22.5  
 Test Lab: Bacl  
 Test Type: TYPE C  
 Temperature: 25.4 'C  
 Operator: KOBE

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

## 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

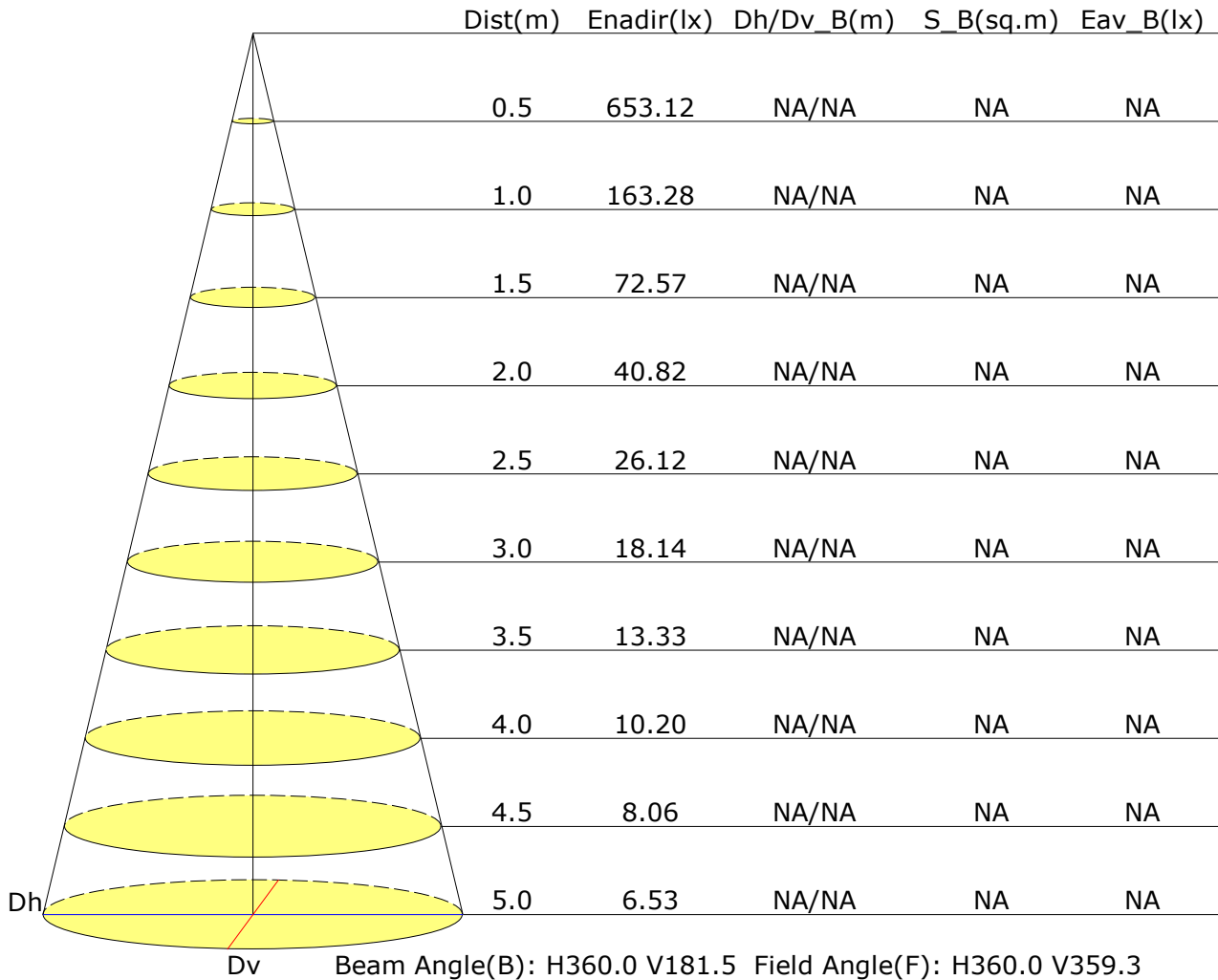


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	104	92	79	65	51	40	29	19	9
C90	423	441	456	468	476	480	481	478	471
C180	122	112	101	89	77	64	51	38	26
C270	123	118	115	112	112	115	120	124	125

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

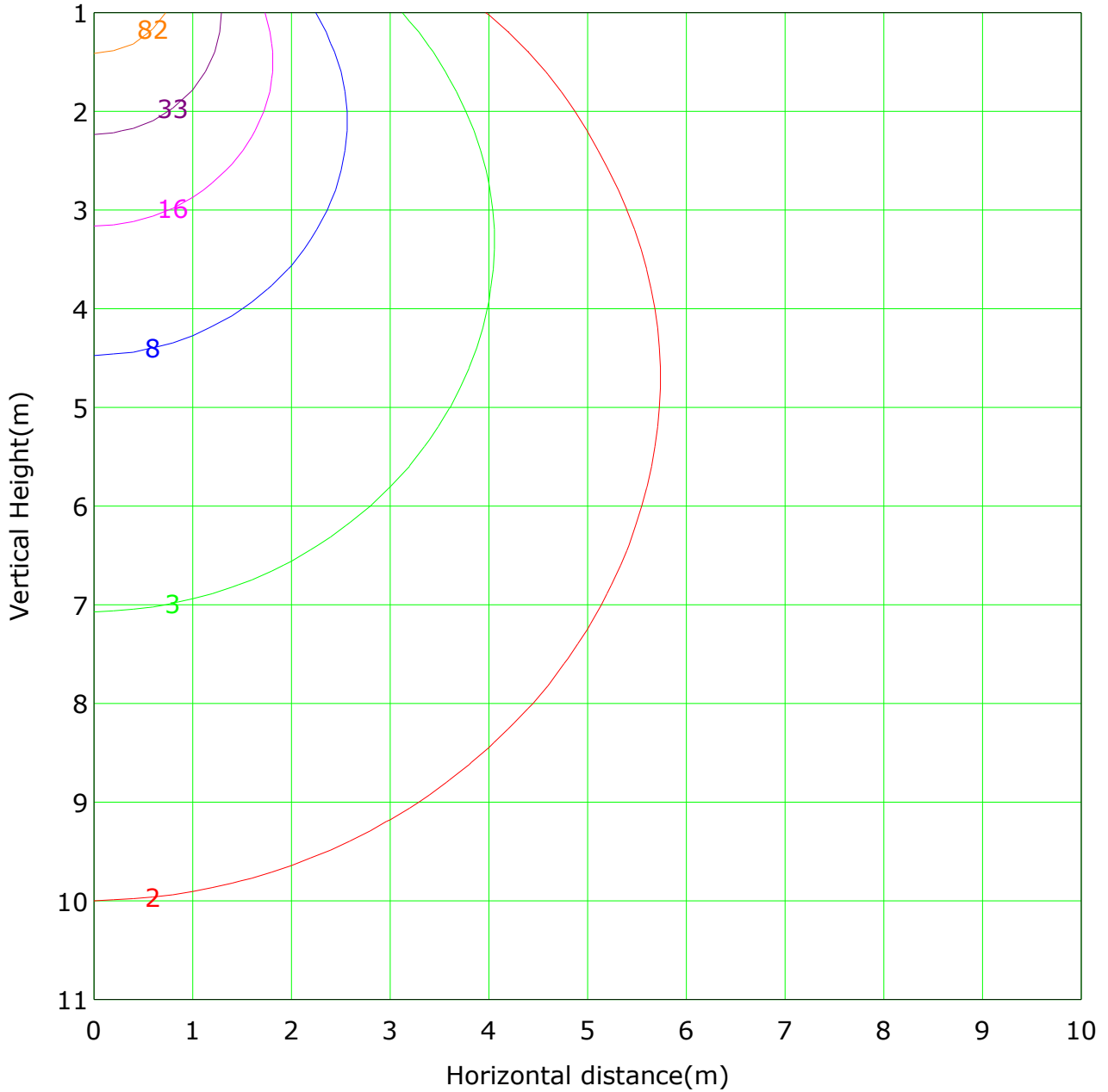
## Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5  
 Test Lab: Bacl  
 Test Type: TYPE C  
 Temperature: 25.4 '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



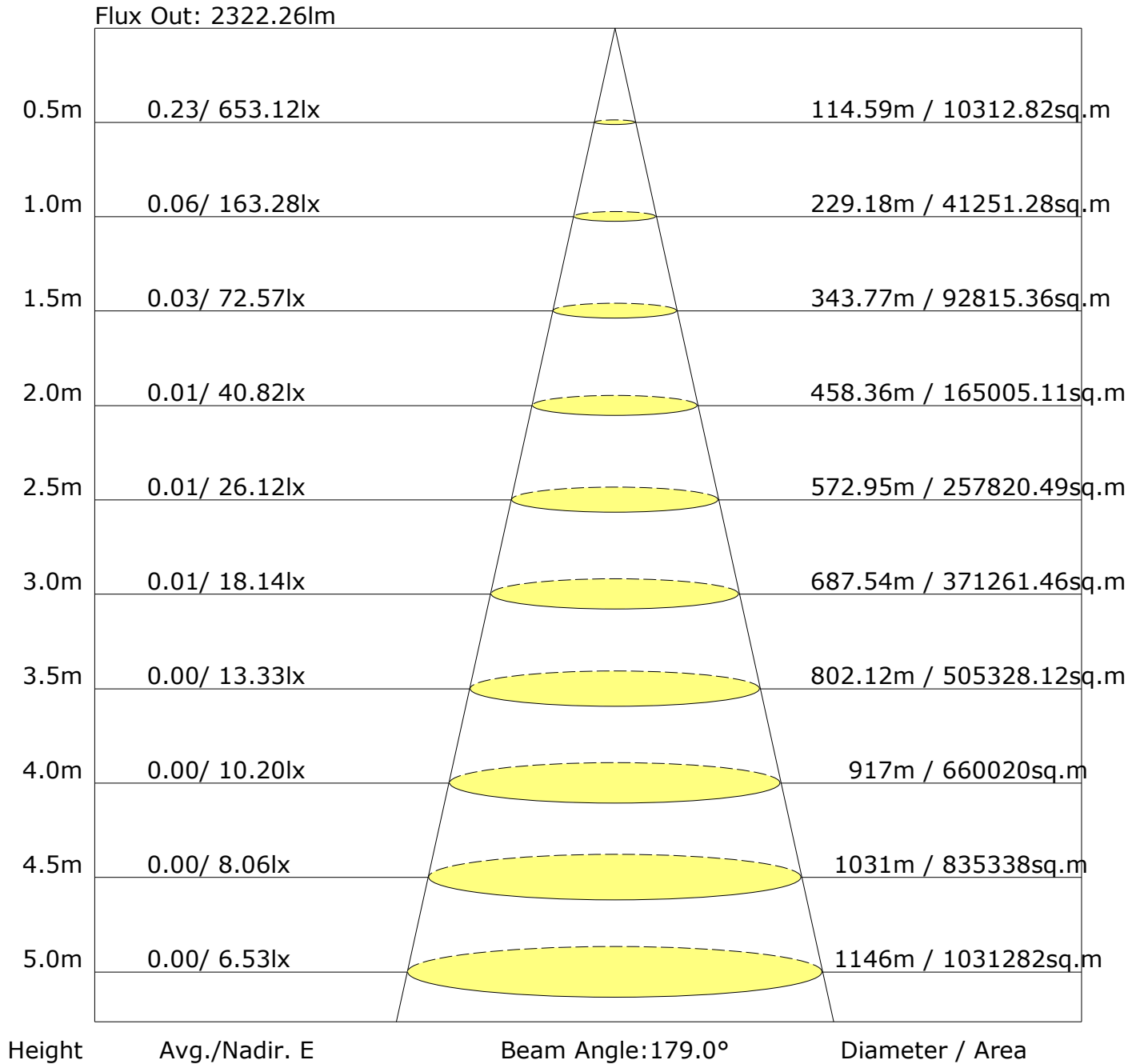
Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 163.3 lx
— ( 1%): 1.6 lx	— ( 2%): 3.3 lx	
— ( 5%): 8.2 lx	— ( 10%): 16.3 lx	
— ( 20%): 32.7 lx	— ( 50%): 81.6 lx	

C Plane (°):0.0-360.0: 22.5  
 Test Lab: Bacl  
 Test Type: TYPE C  
 Temperature: 25.4 '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



C Plane (°):0.0-360.0: 22.5  
 Test Lab: Bacl  
 Test Type: TYPE C  
 Temperature: 25.4 '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 2322lm ( $8\log(F/F_0) = 2.9$ ).

C Plane (°):0.0-360.0: 22.5  
 Test Lab: Bacl  
 Test Type: TYPE C  
 Temperature: 25.4 'C  
 Operator: KOBE

Gamma Plane (°):0.0-180.0:5.0  
 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	0.50	0.58	0.64	0.67	0.73	0.77	
		0.20	NA	0.34	0.40	0.44	0.52	0.58	0.62	0.68	0.73	
0.50	0.50	0.20	NA	0.40	0.45	0.49	0.54	0.59	0.61	0.65	0.68	
		0.30	NA	0.34	0.39	0.43	0.49	0.54	0.57	0.61	0.65	
		0.20	NA	0.30	0.34	0.38	0.44	0.49	0.53	0.58	0.61	
0.30	0.50	0.20	NA	0.33	0.37	0.40	0.45	0.48	0.50	0.54	0.56	
		0.30	NA	0.28	0.32	0.35	0.41	0.44	0.47	0.51	0.53	
		0.20	NA	0.25	0.28	0.32	0.37	0.41	0.44	0.48	0.51	
0.00	0.00	0.00	NA	0.17	0.19	0.21	0.25	0.28	0.30	0.33	0.36	
<p>Rating:29W 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	0.84	0.75	0.67	0.55	0.47	0.41	0.34	0.28	
		0.30	NA	0.72	0.65	0.59	0.50	0.43	0.38	0.32	0.27	
		0.20	NA	0.63	0.58	0.53	0.45	0.40	0.36	0.30	0.26	
0.50	0.50	0.20	NA	0.72	0.64	0.58	0.48	0.42	0.36	0.30	0.25	
		0.30	NA	0.63	0.57	0.52	0.44	0.38	0.34	0.28	0.24	
		0.20	NA	0.55	0.51	0.47	0.40	0.35	0.32	0.27	0.23	
0.30	0.50	0.20	NA	0.61	0.55	0.50	0.41	0.36	0.32	0.26	0.22	
		0.30	NA	0.54	0.49	0.45	0.38	0.33	0.30	0.25	0.21	
		0.20	NA	0.48	0.45	0.41	0.35	0.31	0.28	0.24	0.20	
0.00	0.00	0.00	0.51	0.34	0.32	0.30	0.26	0.23	0.21	0.18	0.15	
<p>Rating:29W 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	0.65	0.66	0.67	0.68	0.68	0.68	0.69	0.69
	0.30		NA	0.59	0.60	0.61	0.62	0.63	0.64	0.65	0.65
	0.20		NA	0.54	0.55	0.56	0.57	0.59	0.60	0.61	0.62
0.50	0.50	0.20	NA	0.63	0.64	0.64	0.65	0.65	0.65	0.66	0.66
	0.30		NA	0.57	0.58	0.59	0.60	0.61	0.62	0.62	0.63
	0.20		NA	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.60
0.30	0.50	0.20	NA	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.63
	0.30		NA	0.56	0.57	0.58	0.58	0.59	0.60	0.60	0.61
	0.20		NA	0.53	0.53	0.54	0.55	0.56	0.57	0.58	0.58
0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
<p>Rating:29W 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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-5.0	164.9	3.9	3.9	0.17	0.17
5.0-10.0	163.9	11.7	15.7	0.51	0.67
10.0-15.0	155.9	18.5	34.2	0.80	1.47
15.0-20.0	156.0	25.7	59.9	1.11	2.58
20.0-25.0	170.4	35.7	95.6	1.54	4.12
25.0-30.0	183.2	46.4	142.0	2.00	6.11
30.0-35.0	189.8	55.9	197.9	2.41	8.52
35.0-40.0	194.7	65.0	262.8	2.80	11.32
40.0-45.0	198.6	73.5	336.4	3.17	14.48
45.0-50.0	200.3	80.9	417.3	3.48	17.97
50.0-55.0	200.0	87.0	504.3	3.74	21.71
55.0-60.0	198.0	91.5	595.8	3.94	25.66
60.0-65.0	195.2	94.9	690.7	4.09	29.74
65.0-70.0	192.1	97.3	788.0	4.19	33.93
70.0-75.0	188.9	98.8	886.8	4.25	38.19
75.0-80.0	185.4	99.2	986.0	4.27	42.46
80.0-85.0	180.8	98.3	1084.2	4.23	46.69
85.0-90.0	175.6	96.2	1180.4	4.14	50.83
90.0-95.0	171.2	93.7	1274.1	4.04	54.87
95.0-100.0	167.2	90.9	1365.0	3.91	58.78
100.0-105.0	167.7	89.7	1454.8	3.86	62.64
105.0-110.0	174.5	91.2	1546.0	3.93	66.57
110.0-115.0	183.2	92.8	1638.8	3.99	70.57
115.0-120.0	190.5	92.6	1731.4	3.99	74.56
120.0-125.0	196.2	90.7	1822.1	3.91	78.46
125.0-130.0	200.1	87.0	1909.1	3.75	82.21
130.0-135.0	201.6	81.5	1990.6	3.51	85.72
135.0-140.0	201.0	74.4	2065.0	3.20	88.92
140.0-145.0	198.0	66.1	2131.1	2.85	91.77
145.0-150.0	192.4	56.7	2187.8	2.44	94.21
150.0-155.0	183.0	46.3	2234.1	1.99	96.20
155.0-160.0	167.3	35.1	2269.2	1.51	97.71
160.0-165.0	147.3	24.3	2293.4	1.05	98.76
165.0-170.0	136.3	16.2	2309.6	0.70	99.46
170.0-175.0	133.4	9.5	2319.2	0.41	99.87
175.0-180.0	129.3	3.1	2322.3	0.13	100.00

C Plane (°):0.0-360.0: 22.5  
 Test Lab: Bacl  
 Test Type: TYPE C  
 Temperature: 25.4 'C  
 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	163.3	163.3	163.3	163.3	163.3	163.3	163.3	163.3	163.3	163.3
G5.0	162.3	167.2	177.1	184.4	188.7	188.0	181.5	172.0	163.0	160.3
G10.0	159.7	174.0	196.9	212.9	222.3	219.3	205.8	184.9	162.0	154.7
G15.0	155.7	180.5	215.6	241.2	256.5	250.0	229.6	196.8	159.9	145.2
G20.0	150.2	185.5	233.0	267.6	288.4	280.2	251.5	206.9	156.6	130.9
G25.0	143.2	188.9	248.8	293.5	319.8	309.0	272.2	215.7	152.0	110.3
G30.0	135.3	190.8	262.8	317.0	348.6	336.1	291.2	222.7	146.2	83.2
G35.0	125.9	191.3	275.3	339.3	376.2	360.6	308.2	227.6	139.2	55.6
G40.0	115.5	190.4	285.9	358.9	400.6	383.6	323.7	231.3	131.1	49.4
G45.0	104.0	187.8	294.0	376.0	422.7	403.4	336.5	232.9	121.8	57.0
G50.0	91.6	183.6	300.0	390.4	441.1	420.6	346.3	233.3	111.7	70.3
G55.0	78.5	178.1	303.7	401.9	456.2	433.7	354.0	231.6	100.8	68.5
G60.0	64.8	171.1	304.9	410.3	467.9	443.6	358.9	227.8	89.2	58.7
G65.0	51.5	163.1	303.9	415.4	475.9	449.9	360.8	222.2	77.0	49.3
G70.0	39.9	154.1	300.6	417.2	480.2	452.6	359.3	215.3	64.2	41.2
G75.0	29.1	143.8	295.1	415.7	480.7	452.5	355.0	205.9	51.2	32.8
G80.0	18.6	132.9	287.4	411.3	477.5	448.4	348.2	195.7	38.4	28.6
G85.0	8.9	121.5	278.3	404.0	471.0	441.6	339.2	184.8	26.2	26.9
G90.0	2.0	114.7	273.9	401.4	469.0	439.0	335.3	180.0	20.9	20.5
G95.0	8.4	121.8	280.5	406.9	473.9	444.1	342.2	188.5	30.9	15.0
G100.0	19.0	134.2	291.0	415.5	481.1	451.6	352.2	200.1	44.0	21.7
G105.0	30.6	146.0	300.0	421.1	484.5	455.3	359.8	210.8	57.3	31.0
G110.0	42.5	156.7	306.6	423.5	483.9	455.6	364.4	219.8	70.8	41.8
G115.0	54.7	166.3	310.5	422.7	480.5	452.7	365.8	227.1	84.0	52.8
G120.0	67.6	174.9	312.1	418.4	472.9	446.2	364.0	232.6	96.8	61.8
G125.0	79.5	182.2	311.1	410.9	461.3	436.4	359.6	235.8	108.7	72.2
G130.0	90.1	188.3	307.7	400.2	446.8	423.0	352.5	237.8	119.6	72.4
G135.0	95.1	193.2	302.0	386.2	428.9	406.7	342.3	237.4	129.1	57.1
G140.0	98.2	196.7	294.0	369.5	407.2	387.0	329.7	235.9	135.8	49.0
G145.0	98.9	198.6	284.2	350.4	382.8	365.0	314.6	230.9	140.1	54.7
G150.0	98.8	198.9	272.3	328.7	356.2	340.5	297.3	218.1	142.2	72.3
G155.0	97.6	196.8	258.8	304.9	327.4	313.2	276.0	196.4	142.5	86.2
G160.0	98.5	192.2	243.8	279.7	297.8	284.7	241.9	181.3	142.3	97.8
G165.0	99.6	181.3	226.9	253.4	265.8	254.6	201.2	156.5	139.1	102.6
G170.0	115.8	156.4	196.4	224.3	232.8	211.9	159.0	140.4	132.7	112.2
G175.0	137.2	147.3	155.1	166.1	192.1	137.8	139.7	142.4	137.9	132.6
G180.0	146.6	148.7	147.6	136.5	46.5	112.9	137.7	142.3	146.7	148.7

C Plane (°):0.0-360.0: 22.5  
 Test Lab: Bacl  
 Test Type: TYPE C  
 Temperature: 25.4 '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	163.3	163.3	163.3	163.3	163.3	163.3	163.3			
G5.0	156.1	151.1	148.6	150.1	154.3	158.8	162.3			
G10.0	135.5	104.6	84.6	92.5	124.1	148.9	159.7			
G15.0	88.9	32.5	36.5	30.7	55.5	129.3	155.7			
G20.0	37.6	72.2	107.0	88.4	36.6	94.4	150.2			
G25.0	58.2	135.7	141.0	137.4	89.1	49.7	143.2			
G30.0	104.5	130.5	136.3	132.2	126.6	34.3	135.3			
G35.0	116.1	124.6	132.1	127.5	119.7	54.9	125.9			
G40.0	108.3	120.6	129.7	124.3	112.7	90.0	115.5			
G45.0	100.5	116.0	123.2	118.6	107.2	96.3	104.0			
G50.0	94.0	109.7	118.2	112.2	100.8	86.5	91.6			
G55.0	85.9	104.5	114.5	107.4	93.1	76.8	78.5			
G60.0	77.6	101.0	111.5	104.6	86.6	68.5	64.8			
G65.0	71.9	100.0	111.8	103.5	83.4	59.2	51.5			
G70.0	68.4	103.2	115.0	105.3	82.8	50.5	39.9			
G75.0	68.9	105.6	120.3	109.0	83.8	46.6	29.1			
G80.0	70.1	110.3	123.9	111.8	85.8	47.5	18.6			
G85.0	70.5	112.9	125.5	111.8	85.3	41.3	8.9			
G90.0	65.8	107.0	119.2	106.7	81.8	33.5	2.0			
G95.0	49.7	85.4	95.3	83.8	63.0	16.8	8.4			
G100.0	27.3	51.2	58.7	47.0	32.8	17.9	19.0			
G105.0	36.9	44.7	42.5	37.2	33.3	29.7	30.6			
G110.0	49.1	57.1	53.5	50.1	47.3	41.6	42.5			
G115.0	60.9	69.9	69.4	65.6	60.7	54.2	54.7			
G120.0	72.3	81.3	82.1	78.1	72.1	66.3	67.6			
G125.0	83.7	91.9	94.4	90.2	83.5	78.1	79.5			
G130.0	94.7	102.5	105.1	100.6	95.2	87.5	90.1			
G135.0	105.0	112.4	115.7	110.8	106.2	97.9	95.1			
G140.0	112.4	121.5	125.3	120.7	115.7	106.6	98.2			
G145.0	120.2	129.9	133.5	129.2	122.8	76.3	98.9			
G150.0	108.8	135.0	140.5	135.5	130.5	47.6	98.8			
G155.0	55.6	140.0	145.0	140.1	114.8	37.3	97.6			
G160.0	34.5	77.2	123.6	107.0	49.6	68.0	98.5			
G165.0	66.9	31.0	40.9	37.0	41.3	95.4	99.6			
G170.0	98.1	68.5	53.3	74.0	95.4	96.7	115.8			
G175.0	124.2	102.6	68.3	96.9	102.9	118.8	137.2			
G180.0	147.6	136.6	45.4	112.6	137.9	142.1	146.6			

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 Inspector: