

Report No.:

Test Time: 2020/11/20 10:31

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Contour Plus 5.0

Luminaire Description: NEON+RB0RGBWA206.0RGB35-12N-GREEN

Lamp Catalog: 12N-G

Number of Lamps: 96

Luminous Width (mm): 10

Voltage: 24.0 V

Power: 2.48 W

Lamp Description: 5050 4IN1 GREEN

Luminous Length (mm): 500

Luminous Height (mm): 23

Current: 0.103 A

Power Factor: 1.000

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 35.3 lm

Downward Ratio: 71%

Horizontal Diffuse Angle(10%,50%): H165.2,H112.3

Vertical Diffuse Angle(10%,50%): V302.3,V209.5

Luminaire Efficacy Rating (LER): 14

Max. Intensity: 8.15 cd

Total Rated Lamp Lumens: 35.3 lm

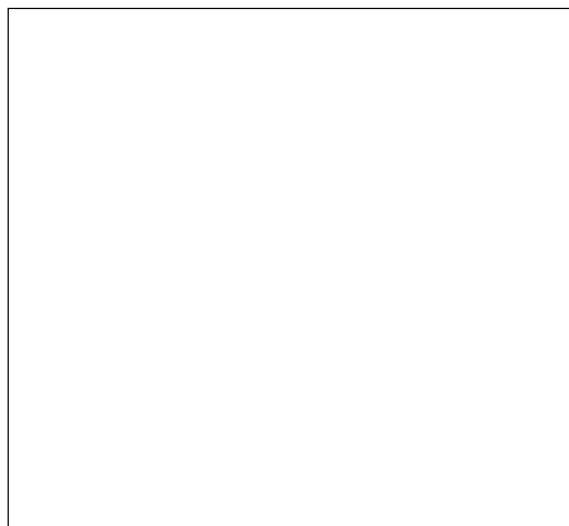
Efficiency: 100%

Upward Ratio: 29%

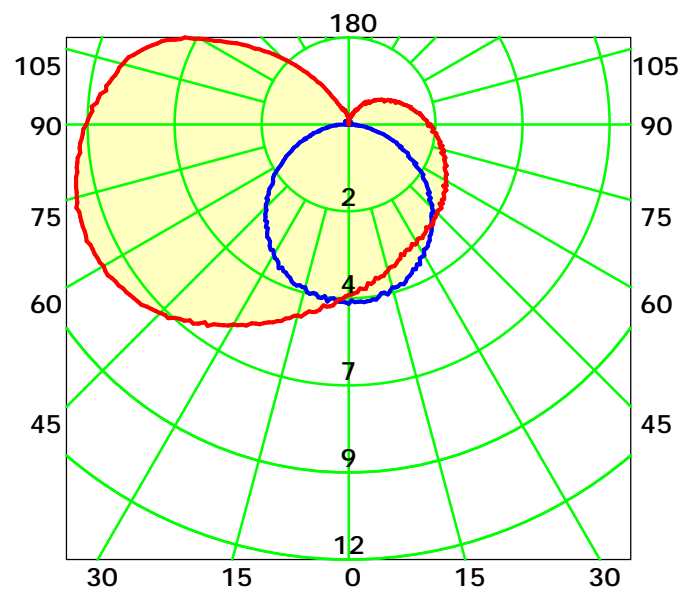
Central Intensity: 5.09 cd

Pos of Max. Intensity: H270 V66

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 160.9° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0

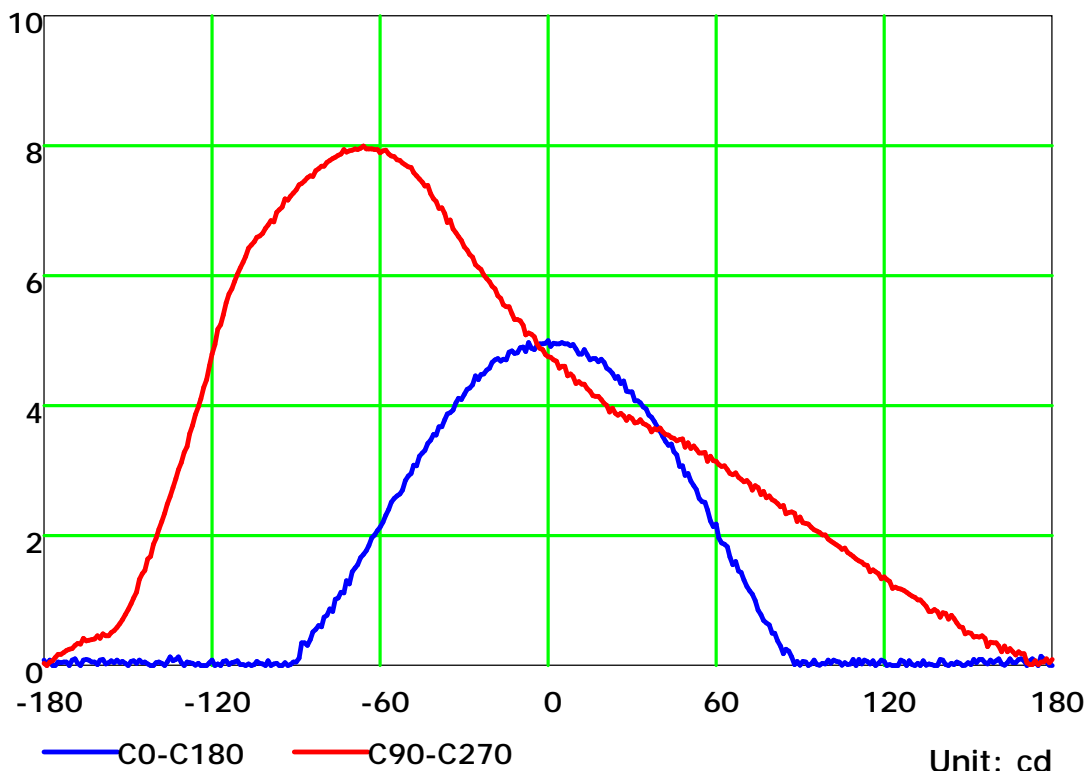
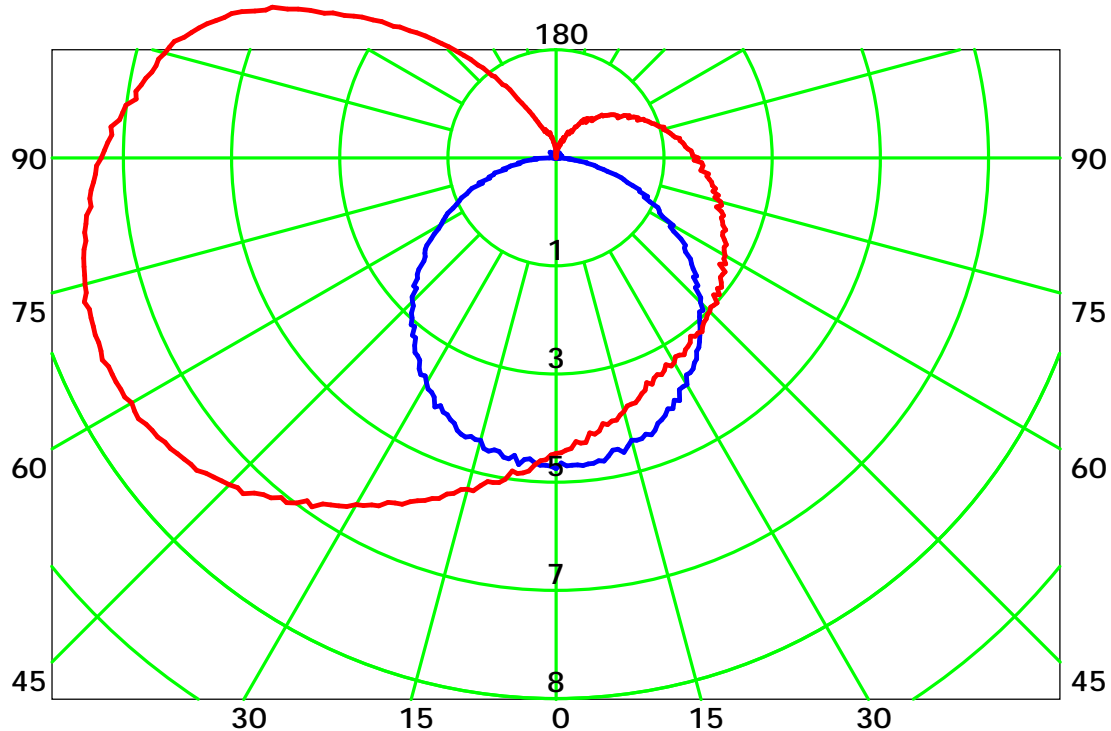
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0

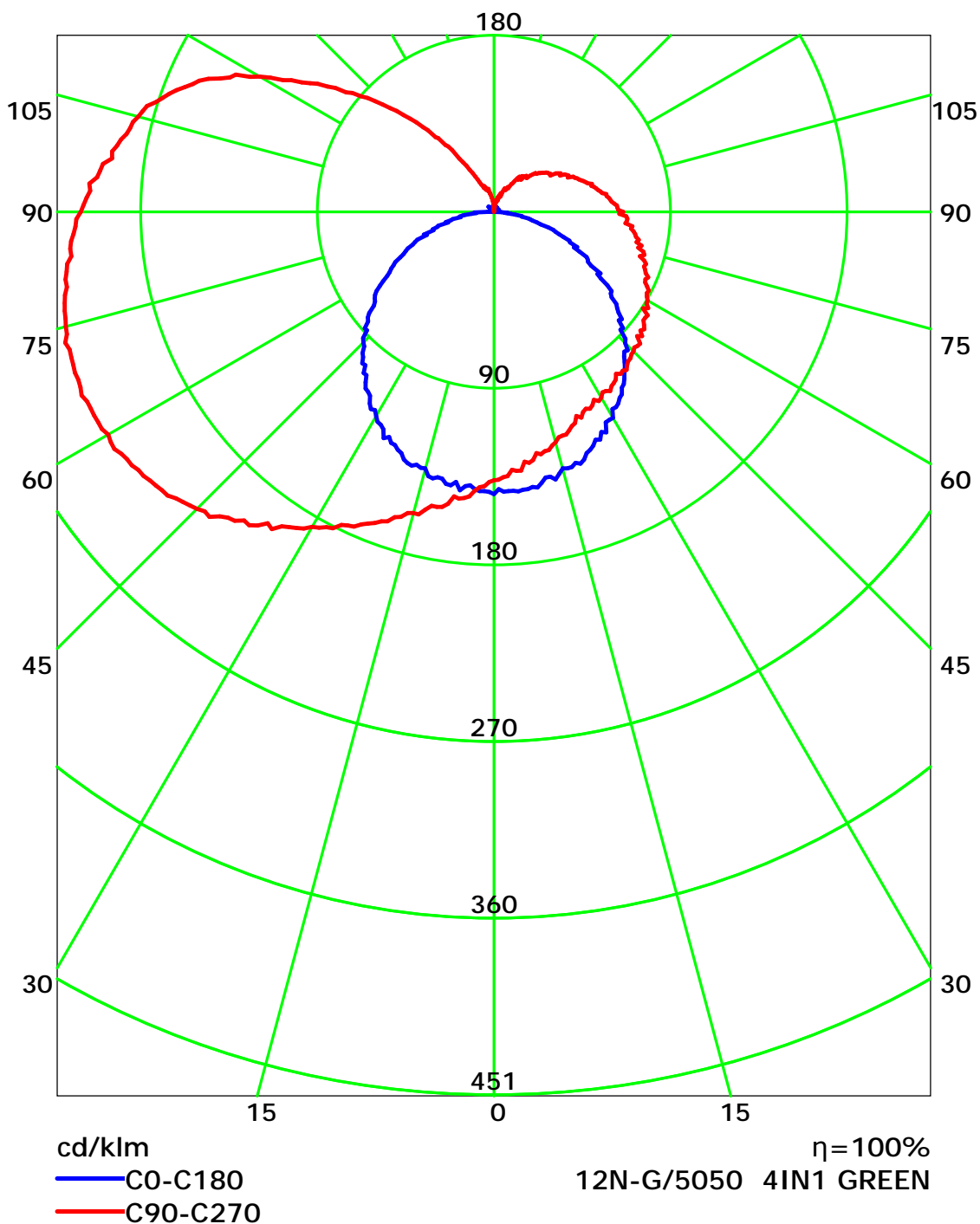
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

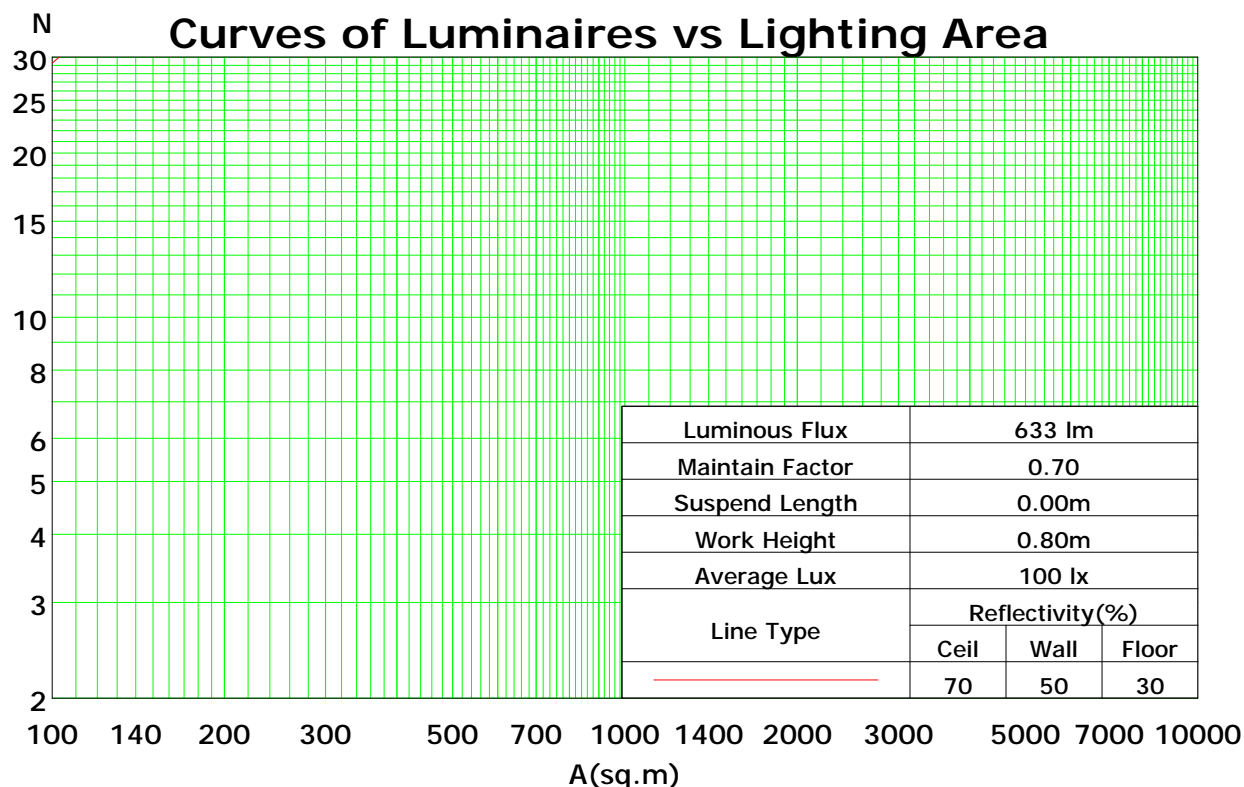
## Coefficients Of Utilization - Zonal Cavity Method

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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	98	91	86	80	92	86	81	76	77	73	69	68	65	62	60	57	55	51
2	87	77	69	62	82	73	65	59	65	59	53	57	52	48	50	46	43	39
3	79	67	57	50	74	63	54	47	56	49	43	49	43	39	43	38	34	31
4	71	58	48	41	67	55	46	39	49	41	35	43	37	32	37	33	28	25
5	65	51	42	34	61	48	40	33	43	36	30	38	32	27	33	28	24	21
6	60	46	36	29	56	43	34	28	38	31	26	34	28	23	30	25	21	18
7	55	41	32	25	52	39	30	24	35	27	22	31	25	20	27	22	18	16
8	51	37	28	22	48	35	27	21	32	25	19	28	22	18	25	20	16	14
9	48	34	25	20	45	32	24	19	29	22	17	26	20	16	23	18	14	12
10	45	31	23	18	42	29	22	17	27	20	15	24	18	14	21	16	13	11

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.70

Spacing Criteria (Diagonal): 1.61



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0

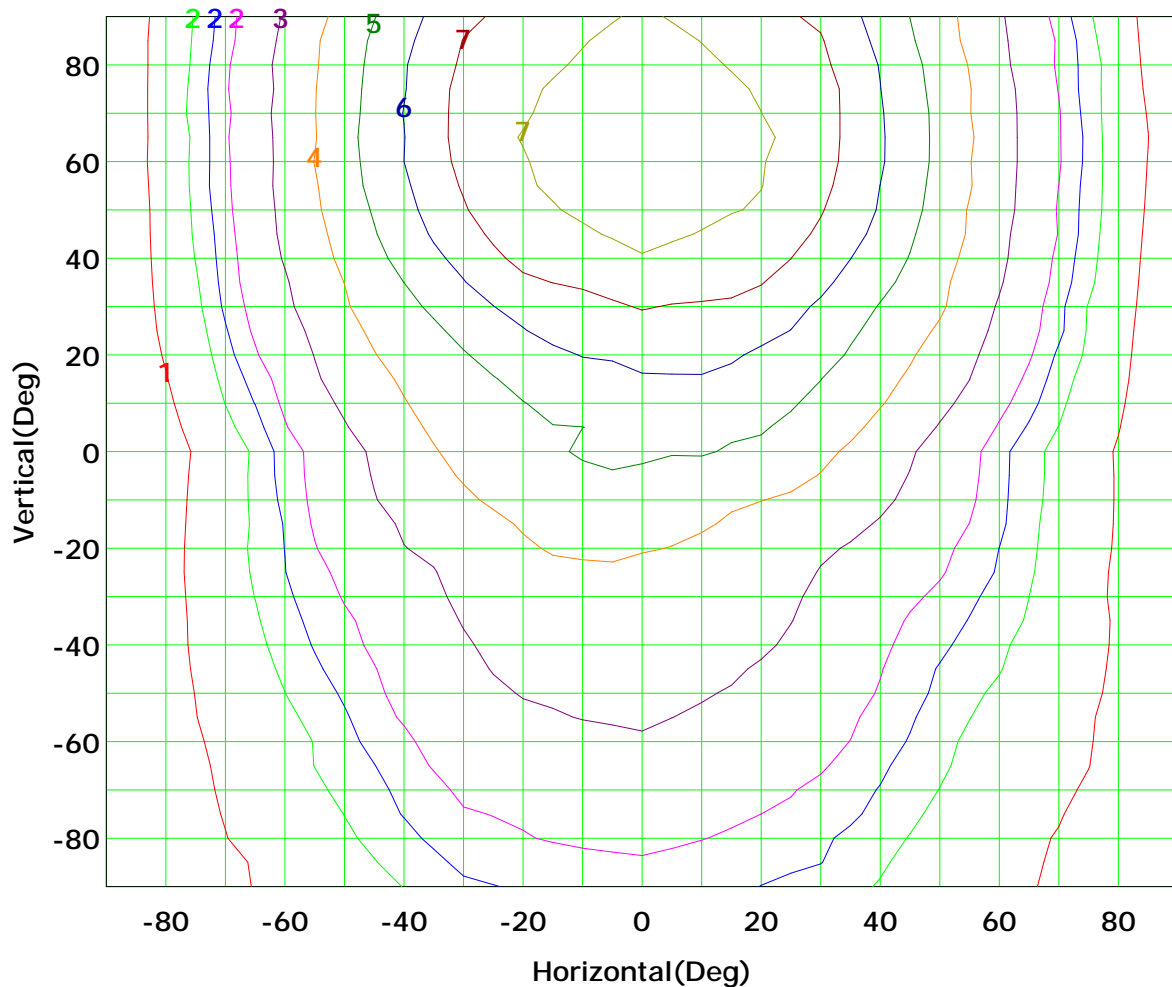
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



I<sub>max</sub> (100%): 8 cd

( 10%):	1 cd	( 20%):	2 cd
( 25%):	2 cd	( 30%):	2 cd
( 40%):	3 cd	( 50%):	4 cd
( 60%):	5 cd	( 70%):	6 cd
( 80%):	7 cd	( 90%):	7 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0

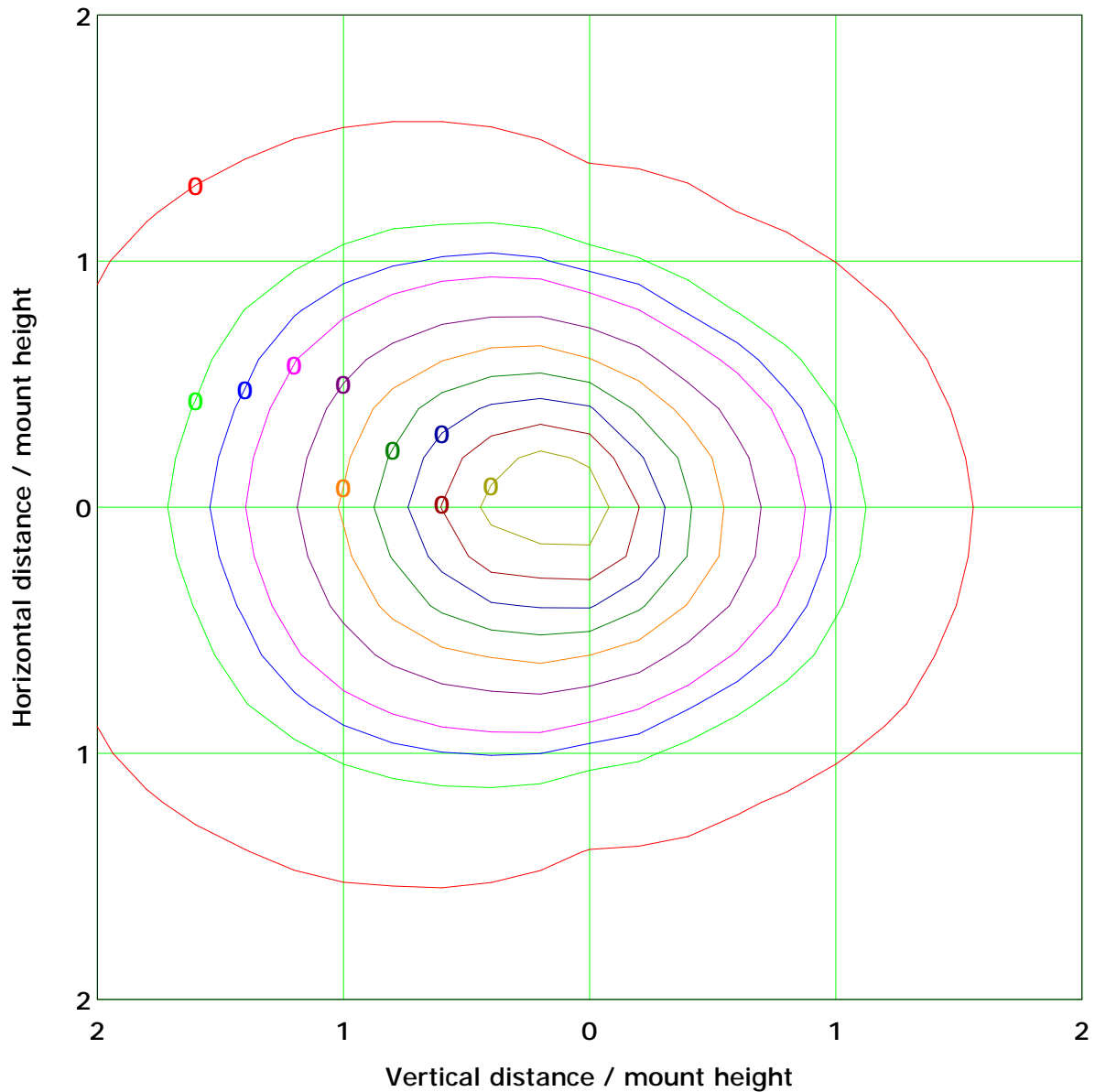
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

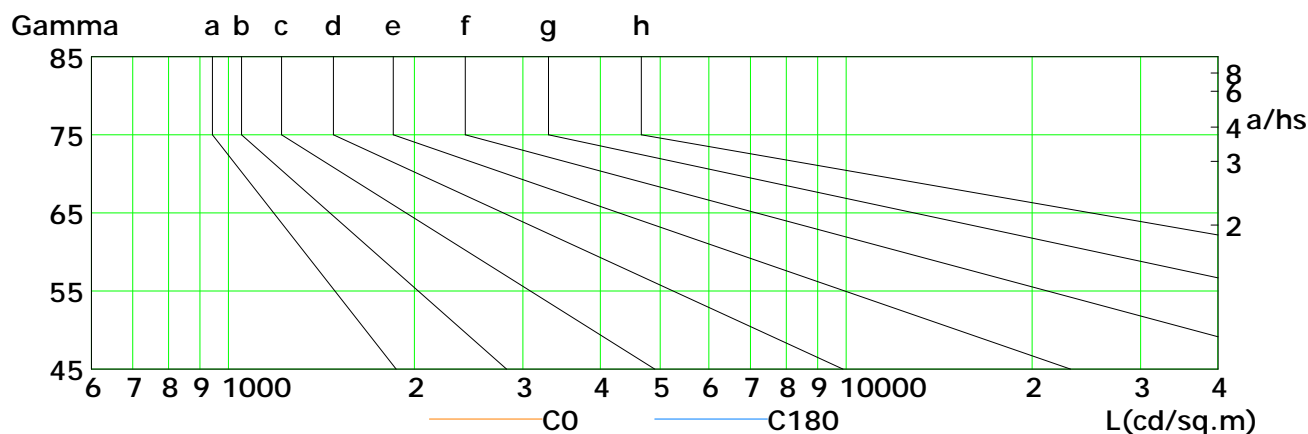
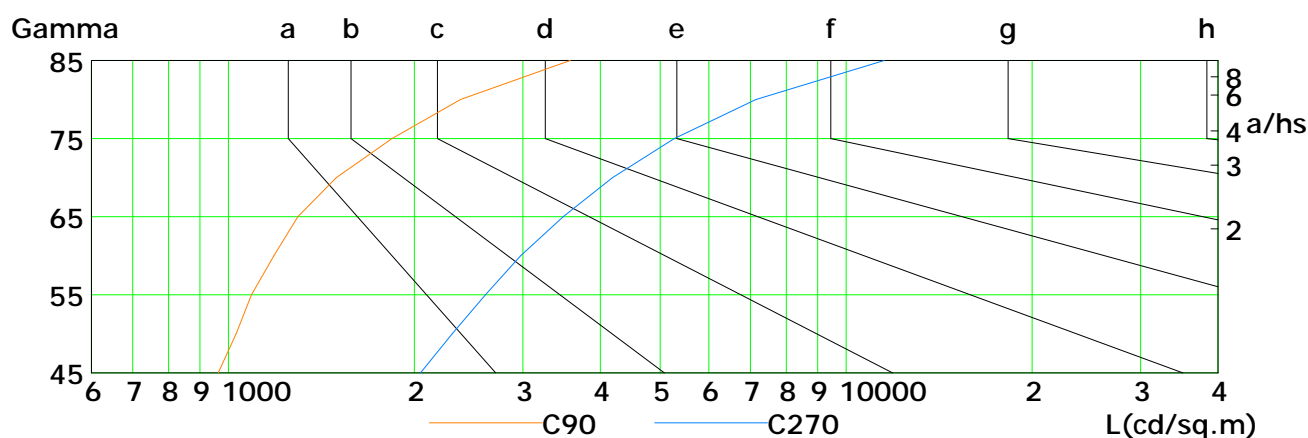
Humidity: 60%

Inspector:

## 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	287	250	209	178	136	107	70	42	22
C90	963	1029	1090	1186	1297	1495	1840	2375	3579
C180	285	247	213	174	144	117	85	62	34
C270	2047	2304	2608	2975	3485	4190	5270	7143	11536

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0

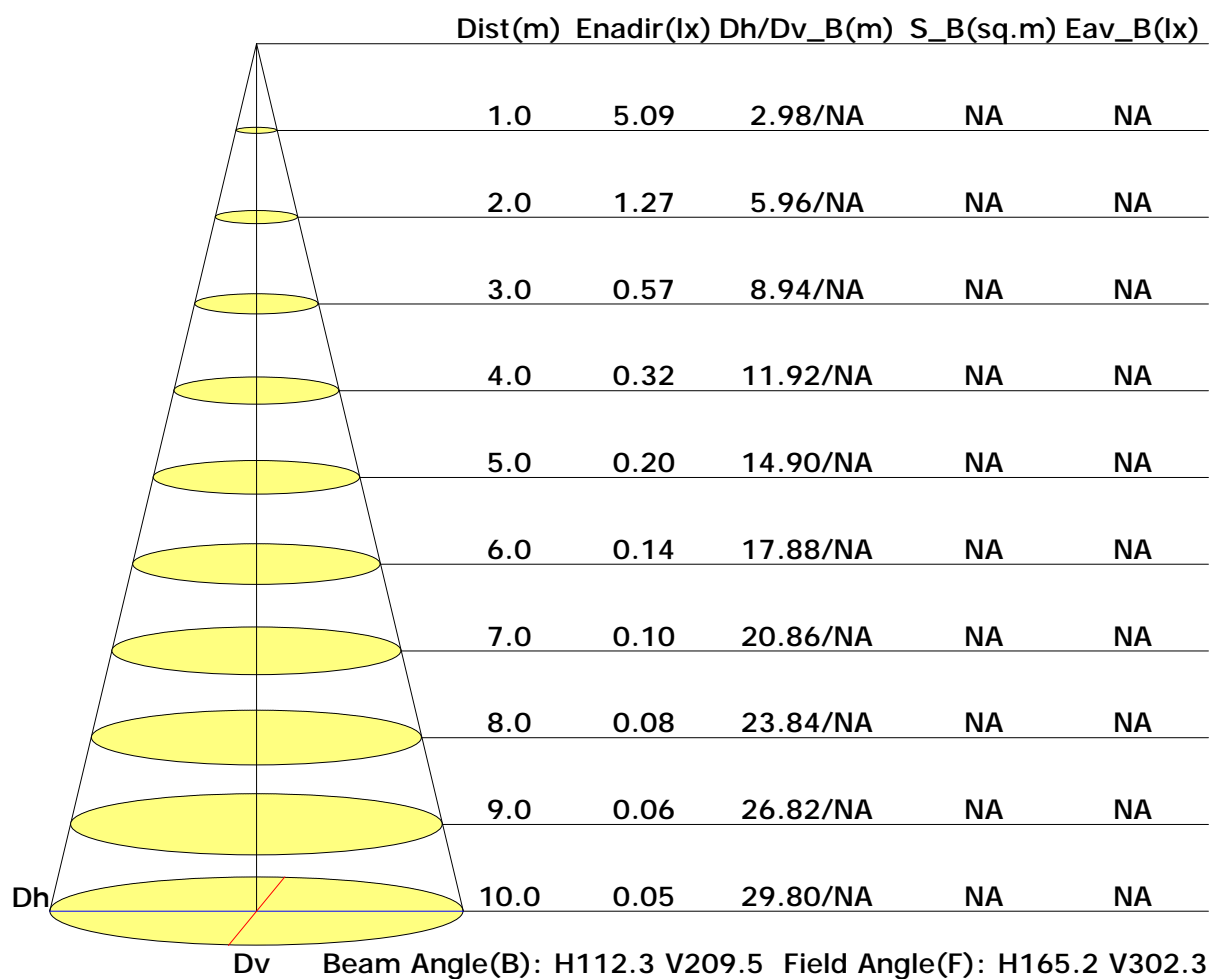
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

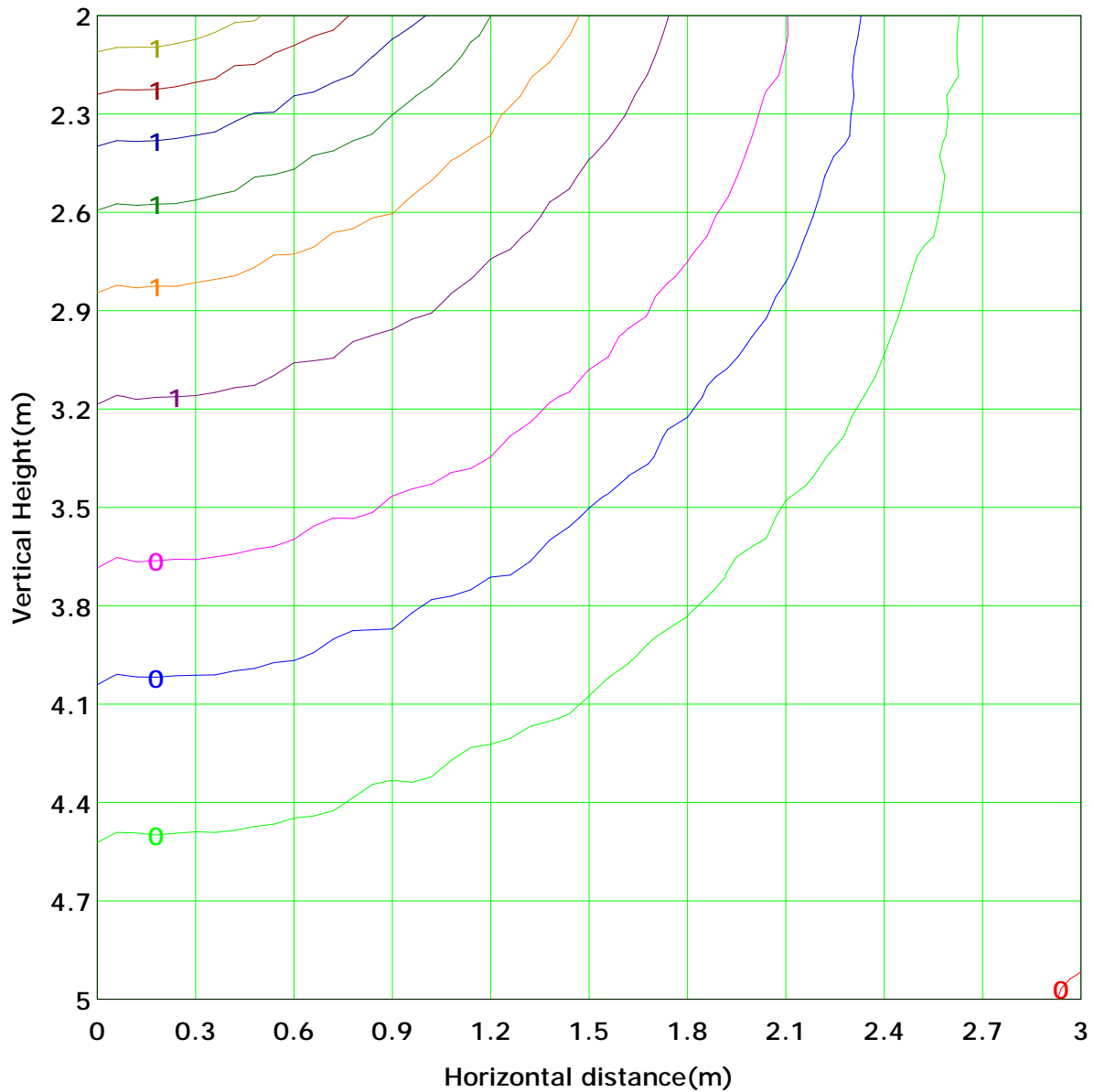
Distance: 9.028 m

Humidity: 60%

Inspector:



## Vertical IsoLux Plot



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Area Flux Table

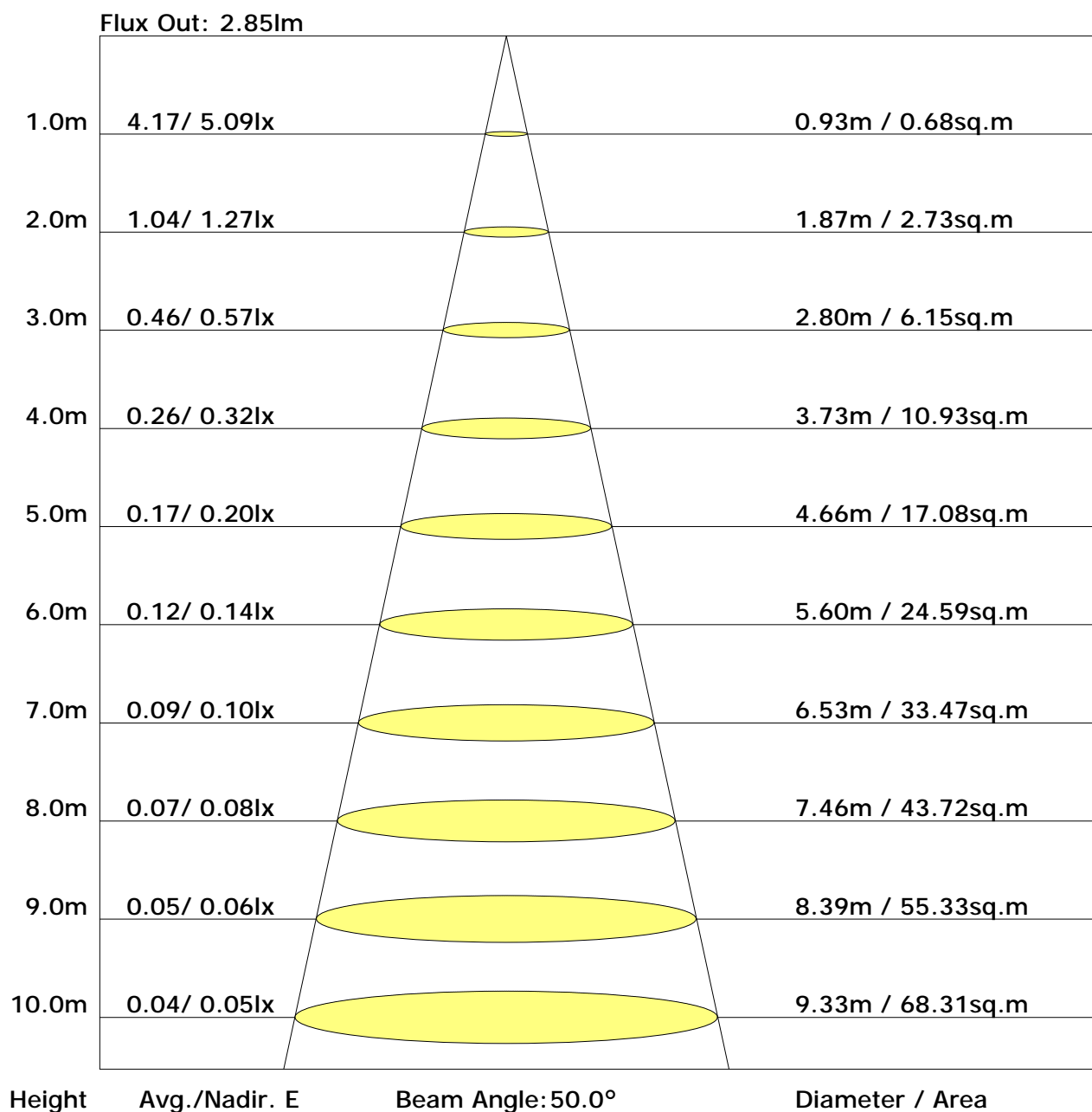
Unit: lm

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	-80	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	-70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	-60	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	-50	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	-40	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	-30	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	-20	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	-10	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.2	0.5	0.9	1.4	1.9	2.3	2.6	2.8	2.8	2.6	2.3	1.9	1.4	0.9	0.5	0.2	0.0	0.0	25	25

C Plane (°): 0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Kerr

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Kerr

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
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	18.2	19.5	18.9	20.2	21.2	15.9	17.2	16.6	17.9	18.9
3H	20.2	21.4	21.0	22.2	23.1	18.2	19.4	19.0	20.2	21.1
4H	21.0	22.1	21.7	22.9	23.8	19.3	20.5	20.1	21.2	22.2
6H	21.5	22.6	22.3	23.4	24.3	20.4	21.5	21.2	22.2	23.2
8H	21.7	22.7	22.5	23.5	24.5	20.9	21.9	21.7	22.7	23.7
12H	21.8	22.8	22.6	23.6	24.6	21.4	22.4	22.2	23.2	24.2
X=4H Y=2H	19.3	20.4	20.0	21.2	22.1	16.5	17.6	17.3	18.4	19.3
3H	21.6	22.5	22.3	23.3	24.3	19.1	20.1	19.9	20.9	21.9
4H	22.5	23.4	23.3	24.2	25.2	20.4	21.3	21.2	22.1	23.1
6H	23.3	24.1	24.1	24.9	25.9	21.6	22.4	22.4	23.3	24.3
8H	23.6	24.3	24.4	25.1	26.2	22.2	23.0	23.0	23.8	24.8
12H	23.8	24.4	24.6	25.3	26.3	22.8	23.5	23.6	24.4	25.4
X=8H Y=4H	23.4	24.2	24.2	25.0	26.0	20.7	21.5	21.5	22.3	23.3
6H	24.5	25.1	25.3	26.0	27.0	22.2	22.9	23.1	23.7	24.8
8H	24.9	25.5	25.8	26.4	27.4	23.0	23.6	23.8	24.4	25.5
12H	25.3	25.9	26.2	26.7	27.8	23.7	24.3	24.6	25.1	26.2
X=12H Y=4H	23.6	24.3	24.5	25.2	26.2	20.8	21.5	21.6	22.3	23.3
6H	24.9	25.5	25.7	26.3	27.4	22.3	22.9	23.2	23.8	24.8
8H	25.5	26.0	26.3	26.8	27.9	23.2	23.7	24.0	24.6	25.6

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
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	0.52	0.58	0.63	0.70	0.75	0.79	0.84	0.87
	0.30		NA	0.44	0.50	0.55	0.63	0.68	0.73	0.78	0.83
	0.20		NA	0.37	0.44	0.49	0.57	0.63	0.67	0.74	0.78
0.50	0.50	0.20	NA	0.47	0.52	0.57	0.63	0.67	0.70	0.75	0.78
	0.30		NA	0.40	0.45	0.50	0.57	0.62	0.65	0.70	0.74
	0.20		NA	0.35	0.40	0.45	0.52	0.57	0.61	0.66	0.70
0.30	0.50	0.20	NA	0.42	0.47	0.50	0.56	0.60	0.62	0.66	0.69
	0.30		NA	0.36	0.41	0.45	0.51	0.55	0.58	0.63	0.66
	0.20		NA	0.31	0.36	0.41	0.47	0.51	0.55	0.60	0.63
0.00	0.00	0.00	NA	0.26	0.30	0.33	0.38	0.42	0.45	0.49	0.52
Rating: 2W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

## 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	0.89	0.78	0.70	0.58	0.50	0.44	0.36	0.30
	0.30		NA	0.76	0.68	0.62	0.53	0.46	0.41	0.34	0.29
	0.20		NA	0.67	0.61	0.56	0.48	0.43	0.38	0.32	0.27
0.50	0.50	0.20	NA	0.81	0.71	0.64	0.53	0.48	0.40	0.33	0.28
	0.30		NA	0.70	0.63	0.57	0.49	0.42	0.38	0.31	0.27
	0.20		NA	0.62	0.56	0.52	0.45	0.40	0.36	0.30	0.26
0.30	0.50	0.20	NA	0.74	0.65	0.58	0.48	0.42	0.37	0.30	0.26
	0.30		NA	0.65	0.58	0.53	0.45	0.39	0.35	0.29	0.25
	0.20		NA	0.58	0.52	0.48	0.42	0.37	0.33	0.28	0.24
0.00	0.00	0.00	0.71	0.46	0.42	0.38	0.33	0.29	0.26	0.22	0.19
Rating: 2W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

## 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	0.46	0.47	0.47	0.48	0.49	0.49	0.49	0.49
	0.30		NA	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46
	0.20		NA	0.33	0.35	0.36	0.37	0.39	0.40	0.41	0.43
0.50	0.50	0.20	NA	0.44	0.45	0.45	0.46	0.47	0.47	0.47	0.47
	0.30		NA	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.44
	0.20		NA	0.33	0.34	0.35	0.37	0.38	0.39	0.40	0.41
0.30	0.50	0.20	NA	0.43	0.43	0.44	0.44	0.45	0.45	0.45	0.45
	0.30		NA	0.37	0.38	0.39	0.40	0.41	0.41	0.42	0.43
	0.20		NA	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40
0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Rating: 2W 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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	4.9	0.0	0.0	0.01	0.01
1.0-2.0	4.9	0.0	0.0	0.04	0.05
2.0-3.0	4.9	0.0	0.0	0.07	0.12
3.0-4.0	4.9	0.0	0.1	0.09	0.21
4.0-5.0	4.9	0.0	0.1	0.12	0.33
5.0-6.0	4.9	0.1	0.2	0.15	0.48
6.0-7.0	4.9	0.1	0.2	0.17	0.65
7.0-8.0	4.9	0.1	0.3	0.20	0.85
8.0-9.0	4.9	0.1	0.4	0.23	1.08
9.0-10.0	4.9	0.1	0.5	0.25	1.33
10.0-11.0	4.9	0.1	0.6	0.28	1.60
11.0-12.0	4.9	0.1	0.7	0.30	1.91
12.0-13.0	4.9	0.1	0.8	0.33	2.24
13.0-14.0	4.9	0.1	0.9	0.35	2.59
14.0-15.0	4.9	0.1	1.0	0.38	2.97
15.0-16.0	4.8	0.1	1.2	0.40	3.37
16.0-17.0	4.8	0.2	1.3	0.43	3.80
17.0-18.0	4.8	0.2	1.5	0.45	4.25
18.0-19.0	4.8	0.2	1.7	0.48	4.73
19.0-20.0	4.8	0.2	1.8	0.50	5.23
20.0-21.0	4.8	0.2	2.0	0.52	5.75
21.0-22.0	4.8	0.2	2.2	0.55	6.30
22.0-23.0	4.8	0.2	2.4	0.57	6.87
23.0-24.0	4.8	0.2	2.6	0.59	7.46
24.0-25.0	4.8	0.2	2.8	0.61	8.07
25.0-26.0	4.7	0.2	3.1	0.63	8.71
26.0-27.0	4.7	0.2	3.3	0.66	9.36
27.0-28.0	4.7	0.2	3.5	0.68	10.04
28.0-29.0	4.7	0.2	3.8	0.70	10.74
29.0-30.0	4.7	0.3	4.0	0.72	11.46
30.0-31.0	4.7	0.3	4.3	0.74	12.20
31.0-32.0	4.7	0.3	4.6	0.76	12.95
32.0-33.0	4.7	0.3	4.8	0.78	13.73
33.0-34.0	4.6	0.3	5.1	0.80	14.53
34.0-35.0	4.6	0.3	5.4	0.82	15.35
35.0-36.0	4.6	0.3	5.7	0.84	16.18

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:



## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	4.6	0.3	6.0	0.85	17.04
37.0-38.0	4.6	0.3	6.3	0.87	17.91
38.0-39.0	4.6	0.3	6.6	0.88	18.79
39.0-40.0	4.6	0.3	6.9	0.90	19.69
40.0-41.0	4.5	0.3	7.3	0.92	20.61
41.0-42.0	4.5	0.3	7.6	0.93	21.54
42.0-43.0	4.5	0.3	7.9	0.95	22.49
43.0-44.0	4.5	0.3	8.3	0.97	23.46
44.0-45.0	4.5	0.3	8.6	0.98	24.43
45.0-46.0	4.5	0.3	9.0	0.99	25.42
46.0-47.0	4.4	0.4	9.3	1.00	26.42
47.0-48.0	4.4	0.4	9.7	1.01	27.44
48.0-49.0	4.4	0.4	10.0	1.02	28.46
49.0-50.0	4.4	0.4	10.4	1.03	29.49
50.0-51.0	4.4	0.4	10.8	1.04	30.54
51.0-52.0	4.3	0.4	11.1	1.05	31.59
52.0-53.0	4.3	0.4	11.5	1.06	32.65
53.0-54.0	4.3	0.4	11.9	1.07	33.72
54.0-55.0	4.3	0.4	12.3	1.08	34.79
55.0-56.0	4.2	0.4	12.7	1.08	35.88
56.0-57.0	4.2	0.4	13.0	1.09	36.97
57.0-58.0	4.2	0.4	13.4	1.09	38.06
58.0-59.0	4.1	0.4	13.8	1.09	39.15
59.0-60.0	4.1	0.4	14.2	1.10	40.25
60.0-61.0	4.1	0.4	14.6	1.10	41.35
61.0-62.0	4.0	0.4	15.0	1.10	42.45
62.0-63.0	4.0	0.4	15.4	1.10	43.55
63.0-64.0	4.0	0.4	15.8	1.10	44.66
64.0-65.0	3.9	0.4	16.1	1.10	45.76
65.0-66.0	3.9	0.4	16.5	1.10	46.86
66.0-67.0	3.9	0.4	16.9	1.10	47.96
67.0-68.0	3.8	0.4	17.3	1.10	49.06
68.0-69.0	3.8	0.4	17.7	1.09	50.15
69.0-70.0	3.7	0.4	18.1	1.09	51.24
70.0-71.0	3.7	0.4	18.5	1.08	52.33
71.0-72.0	3.7	0.4	18.8	1.08	53.40

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	3.6	0.4	19.2	1.07	54.48
73.0-74.0	3.6	0.4	19.6	1.07	55.54
74.0-75.0	3.5	0.4	20.0	1.06	56.60
75.0-76.0	3.5	0.4	20.3	1.05	57.65
76.0-77.0	3.5	0.4	20.7	1.04	58.70
77.0-78.0	3.4	0.4	21.1	1.04	59.74
78.0-79.0	3.4	0.4	21.4	1.03	60.77
79.0-80.0	3.3	0.4	21.8	1.02	61.79
80.0-81.0	3.3	0.4	22.2	1.01	62.79
81.0-82.0	3.3	0.4	22.5	1.00	63.79
82.0-83.0	3.2	0.4	22.9	0.99	64.79
83.0-84.0	3.2	0.3	23.2	0.98	65.77
84.0-85.0	3.1	0.3	23.5	0.97	66.74
85.0-86.0	3.1	0.3	23.9	0.96	67.70
86.0-87.0	3.1	0.3	24.2	0.95	68.65
87.0-88.0	3.0	0.3	24.6	0.94	69.59
88.0-89.0	3.0	0.3	24.9	0.93	70.52
89.0-90.0	2.9	0.3	25.2	0.92	71.43
90.0-91.0	2.9	0.3	25.5	0.91	72.34
91.0-92.0	2.9	0.3	25.8	0.89	73.23
92.0-93.0	2.9	0.3	26.2	0.89	74.12
93.0-94.0	2.8	0.3	26.5	0.88	75.00
94.0-95.0	2.8	0.3	26.8	0.87	75.86
95.0-96.0	2.8	0.3	27.1	0.85	76.72
96.0-97.0	2.7	0.3	27.4	0.85	77.56
97.0-98.0	2.7	0.3	27.7	0.83	78.40
98.0-99.0	2.7	0.3	28.0	0.82	79.22
99.0-100.0	2.7	0.3	28.2	0.82	80.04
100.0-101.0	2.6	0.3	28.5	0.80	80.84
101.0-102.0	2.6	0.3	28.8	0.79	81.63
102.0-103.0	2.5	0.3	29.1	0.77	82.41
103.0-104.0	2.5	0.3	29.3	0.76	83.16
104.0-105.0	2.5	0.3	29.6	0.74	83.90
105.0-106.0	2.4	0.3	29.9	0.73	84.63
106.0-107.0	2.4	0.3	30.1	0.71	85.35
107.0-108.0	2.3	0.2	30.4	0.69	86.04

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	2.3	0.2	30.6	0.68	86.72
109.0-110.0	2.2	0.2	30.8	0.66	87.37
110.0-111.0	2.2	0.2	31.1	0.64	88.02
111.0-112.0	2.2	0.2	31.3	0.62	88.64
112.0-113.0	2.1	0.2	31.5	0.60	89.24
113.0-114.0	2.0	0.2	31.7	0.58	89.82
114.0-115.0	2.0	0.2	31.9	0.56	90.39
115.0-116.0	1.9	0.2	32.1	0.54	90.93
116.0-117.0	1.9	0.2	32.3	0.52	91.45
117.0-118.0	1.8	0.2	32.4	0.50	91.95
118.0-119.0	1.8	0.2	32.6	0.48	92.43
119.0-120.0	1.7	0.2	32.8	0.46	92.89
120.0-121.0	1.6	0.2	32.9	0.44	93.33
121.0-122.0	1.6	0.1	33.1	0.42	93.74
122.0-123.0	1.5	0.1	33.2	0.40	94.14
123.0-124.0	1.5	0.1	33.4	0.38	94.53
124.0-125.0	1.4	0.1	33.5	0.36	94.89
125.0-126.0	1.4	0.1	33.6	0.35	95.23
126.0-127.0	1.3	0.1	33.7	0.33	95.56
127.0-128.0	1.3	0.1	33.8	0.31	95.87
128.0-129.0	1.2	0.1	33.9	0.30	96.17
129.0-130.0	1.2	0.1	34.0	0.28	96.45
130.0-131.0	1.1	0.1	34.1	0.26	96.71
131.0-132.0	1.1	0.1	34.2	0.25	96.96
132.0-133.0	1.0	0.1	34.3	0.23	97.19
133.0-134.0	1.0	0.1	34.4	0.22	97.41
134.0-135.0	0.9	0.1	34.4	0.21	97.62
135.0-136.0	0.9	0.1	34.5	0.19	97.81
136.0-137.0	0.8	0.1	34.6	0.18	98.00
137.0-138.0	0.8	0.1	34.6	0.17	98.16
138.0-139.0	0.8	0.1	34.7	0.16	98.32
139.0-140.0	0.7	0.1	34.7	0.15	98.47
140.0-141.0	0.7	0.0	34.8	0.14	98.60
141.0-142.0	0.7	0.0	34.8	0.13	98.73
142.0-143.0	0.6	0.0	34.9	0.12	98.85
143.0-144.0	0.6	0.0	34.9	0.11	98.96

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Zonal Lumen (Continue 4)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.5	0.0	34.9	0.10	99.05
145.0-146.0	0.5	0.0	35.0	0.09	99.15
146.0-147.0	0.5	0.0	35.0	0.08	99.23
147.0-148.0	0.4	0.0	35.0	0.07	99.30
148.0-149.0	0.4	0.0	35.1	0.07	99.37
149.0-150.0	0.4	0.0	35.1	0.06	99.43
150.0-151.0	0.4	0.0	35.1	0.05	99.48
151.0-152.0	0.3	0.0	35.1	0.05	99.53
152.0-153.0	0.3	0.0	35.1	0.04	99.58
153.0-154.0	0.3	0.0	35.1	0.04	99.62
154.0-155.0	0.3	0.0	35.2	0.04	99.66
155.0-156.0	0.3	0.0	35.2	0.04	99.70
156.0-157.0	0.3	0.0	35.2	0.03	99.73
157.0-158.0	0.2	0.0	35.2	0.03	99.76
158.0-159.0	0.3	0.0	35.2	0.03	99.79
159.0-160.0	0.3	0.0	35.2	0.03	99.81
160.0-161.0	0.2	0.0	35.2	0.02	99.84
161.0-162.0	0.2	0.0	35.2	0.02	99.86
162.0-163.0	0.2	0.0	35.2	0.02	99.88
163.0-164.0	0.2	0.0	35.2	0.02	99.90
164.0-165.0	0.2	0.0	35.3	0.02	99.92
165.0-166.0	0.2	0.0	35.3	0.02	99.93
166.0-167.0	0.2	0.0	35.3	0.01	99.94
167.0-168.0	0.2	0.0	35.3	0.01	99.96
168.0-169.0	0.2	0.0	35.3	0.01	99.97
169.0-170.0	0.2	0.0	35.3	0.01	99.97
170.0-171.0	0.1	0.0	35.3	0.01	99.98
171.0-172.0	0.1	0.0	35.3	0.00	99.99
172.0-173.0	0.1	0.0	35.3	0.00	99.99
173.0-174.0	0.1	0.0	35.3	0.00	99.99
174.0-175.0	0.1	0.0	35.3	0.00	100.00
175.0-176.0	0.1	0.0	35.3	0.00	100.00
176.0-177.0	0.1	0.0	35.3	0.00	100.00
177.0-178.0	0.1	0.0	35.3	0.00	100.00
178.0-179.0	0.1	0.0	35.3	0.00	100.00
179.0-180.0	0.1	0.0	35.3	0.00	100.00

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector: