

Report No.:

Test Time: 2020/11/20 11:22

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Contour Plus 5.0

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

Lamp Catalog: 12N-R+G+B+W

Number of Lamps: 96

Luminous Width (mm): 10

Voltage: 24.0 V

Power: 9.69 W

Lamp Description: 5050 4IN1 RGB+WHITE

Luminous Length (mm): 500

Luminous Height (mm): 23

Current: 0.404 A

Power Factor: 1.000

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 91.2 lm

Downward Ratio: 72%

Horizontal Diffuse Angle(10%,50%): H163.7,H111.3

Vertical Diffuse Angle(10%,50%): V302.3,V210.1

Luminaire Efficacy Rating (LER): 9

Max. Intensity: 21.13 cd

Total Rated Lamp Lumens: 91.2 lm

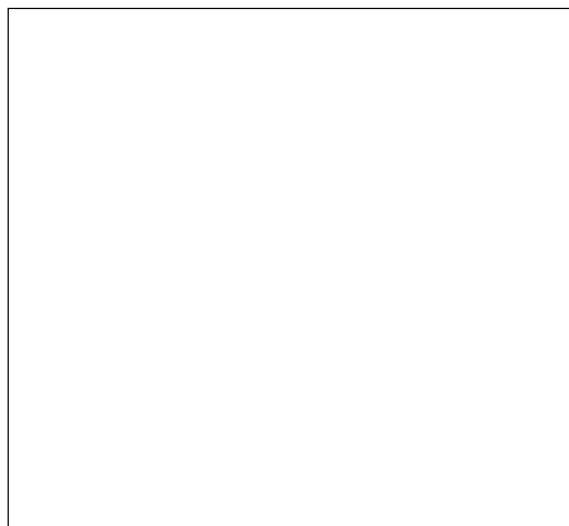
Efficiency: 100%

Upward Ratio: 28%

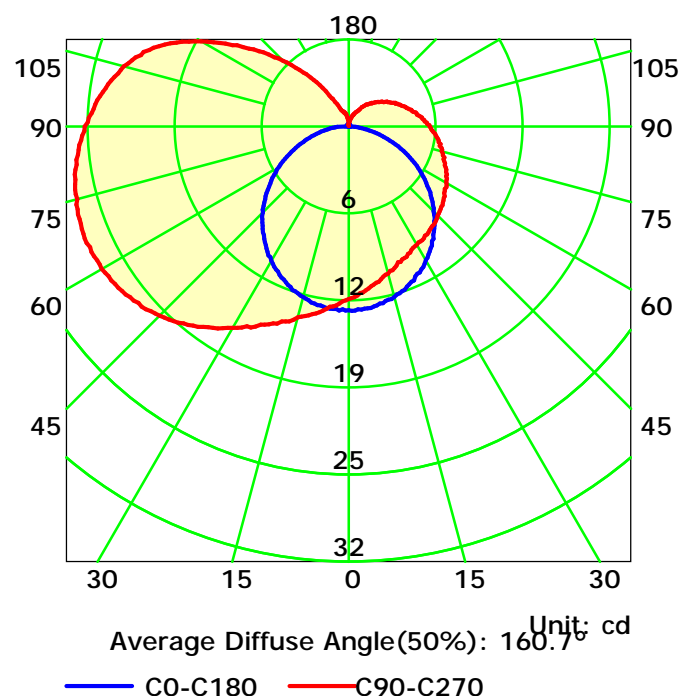
Central Intensity: 13.54 cd

Pos of Max. Intensity: H270 V66

Picture Of Luminaire



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

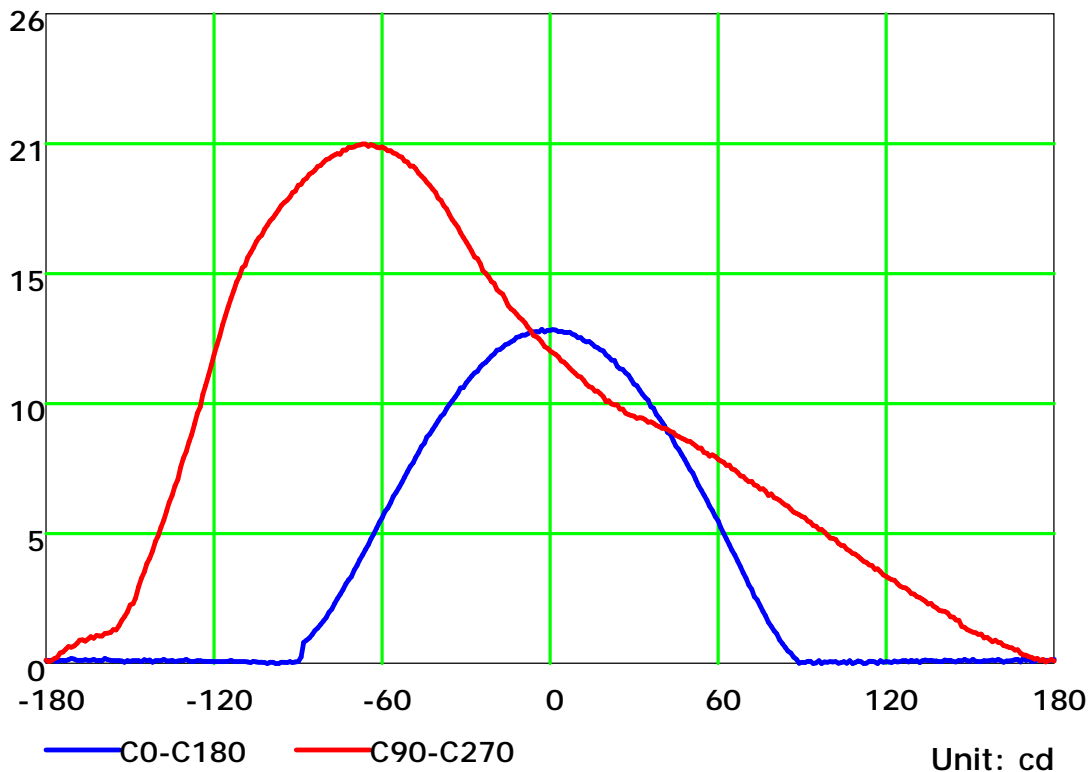
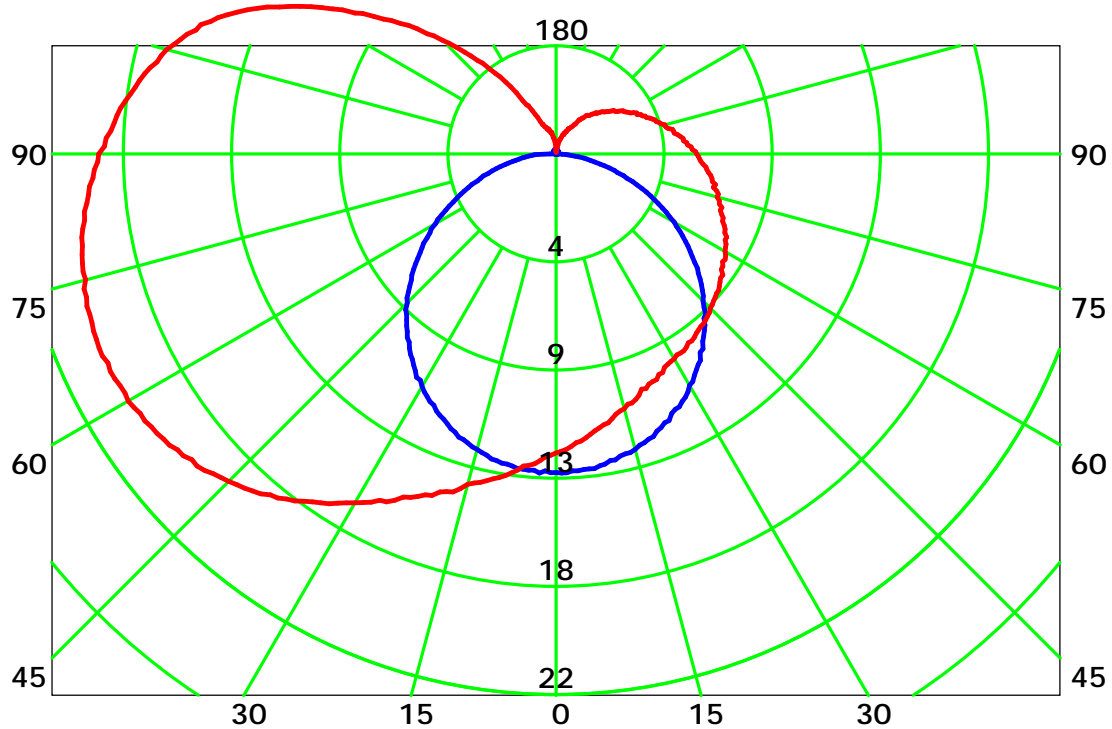
Distance: 9.028 m

Humidity: 60%

Inspector:



Luminous Intensity Distribution Curve

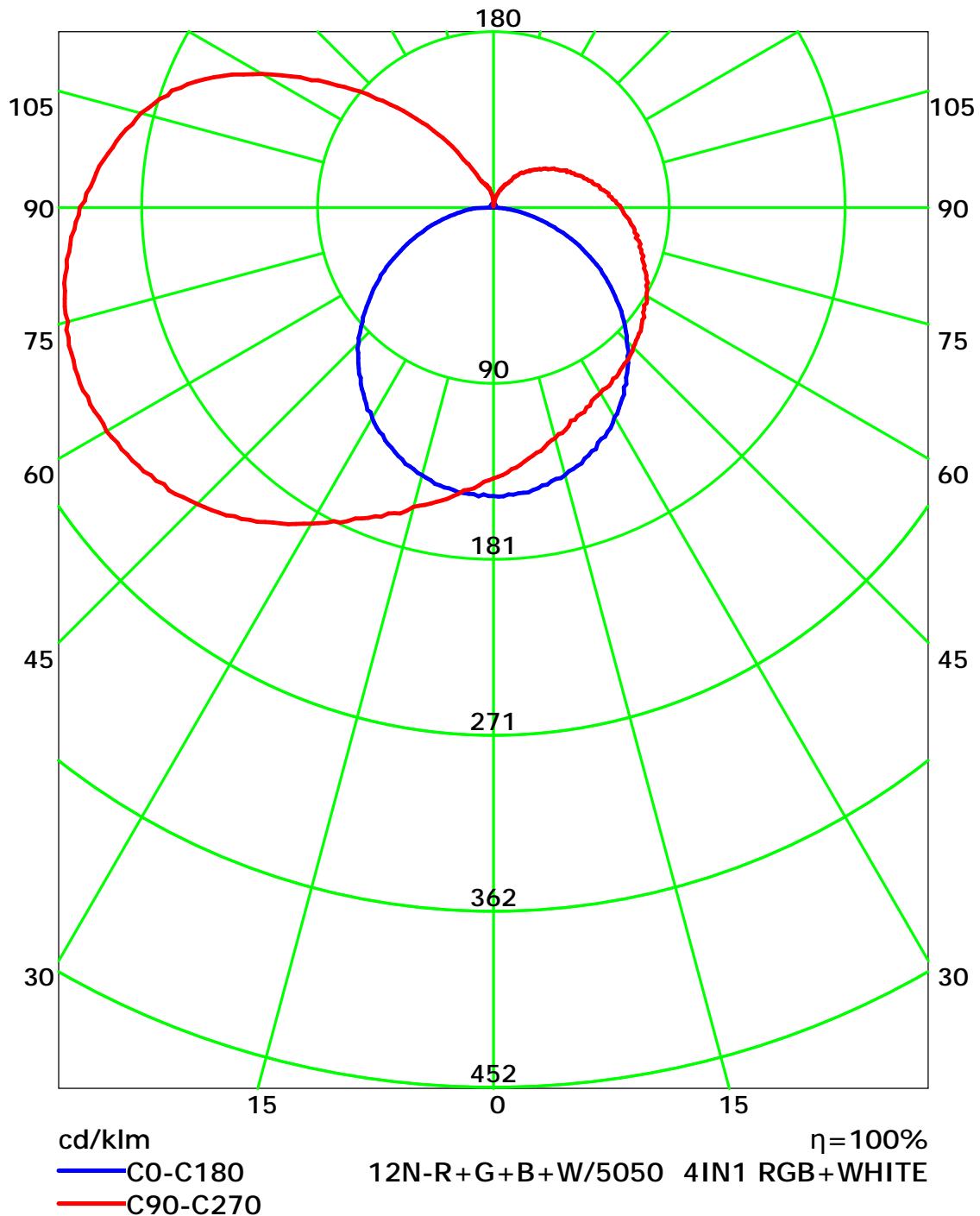


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

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:

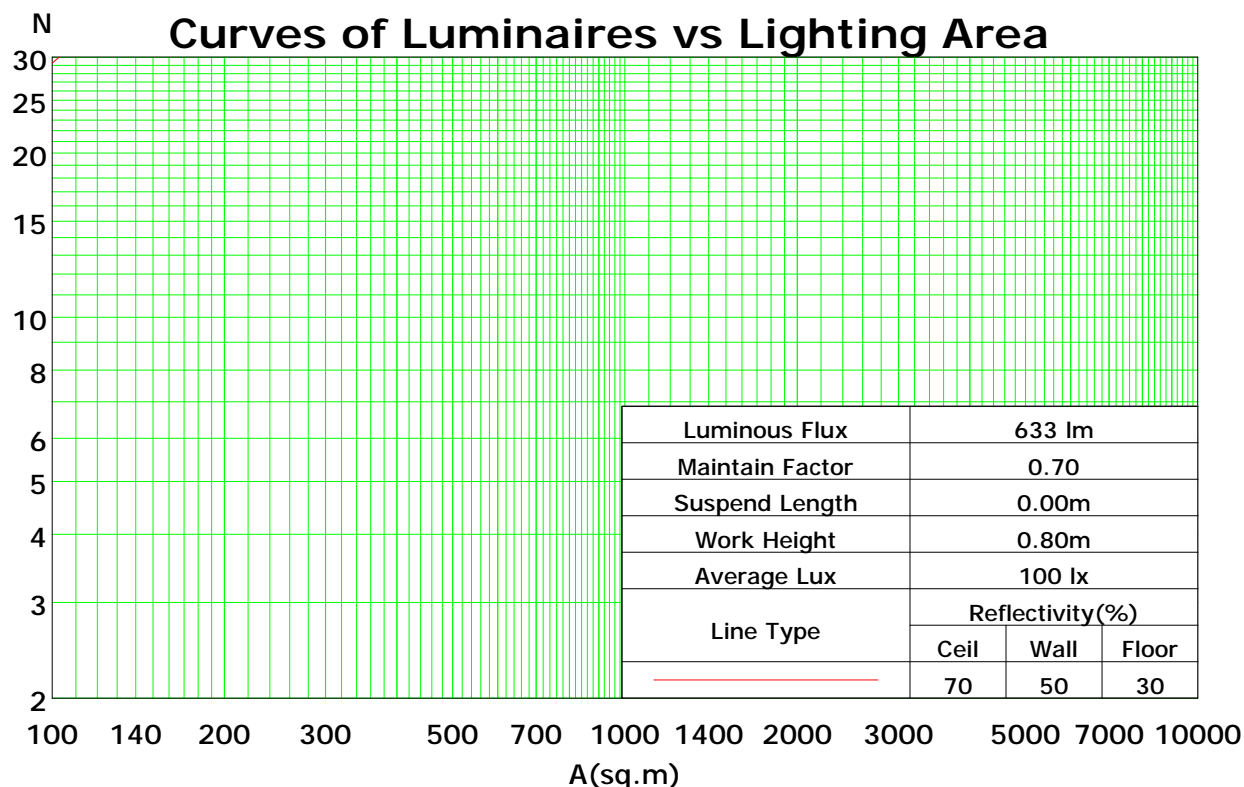
Coefficients Of Utilization - Zonal Cavity Method

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	72
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	66	59	65	59	53	57	52	48	50	46	43	39
3	79	67	57	50	74	63	54	48	56	49	43	49	43	39	43	38	35	31
4	71	58	48	41	67	55	46	39	49	41	36	43	37	32	38	33	29	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	39	31	26	34	28	23	30	25	21	18
7	55	41	32	25	52	39	30	24	35	28	22	31	25	20	27	22	18	16
8	51	37	28	22	48	35	27	21	32	25	20	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	30	22	17	27	20	16	24	18	14	21	16	13	11

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.69

Spacing Criteria (Diagonal): 1.58



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

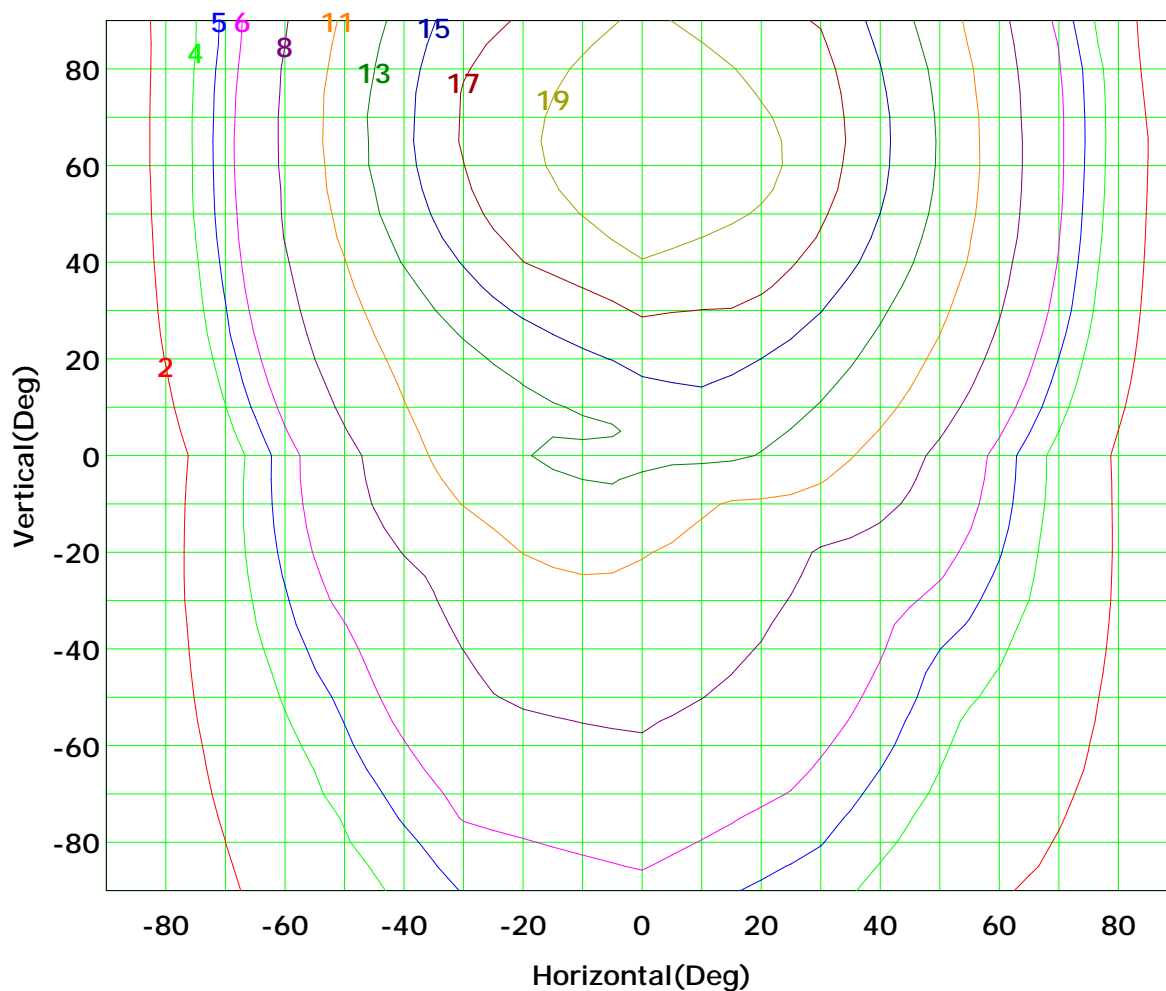
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



Imax (100%): 21 cd

(10%):	2 cd	(20%):	4 cd
(25%):	5 cd	(30%):	6 cd
(40%):	8 cd	(50%):	11 cd
(60%):	13 cd	(70%):	15 cd
(80%):	17 cd	(90%):	19 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

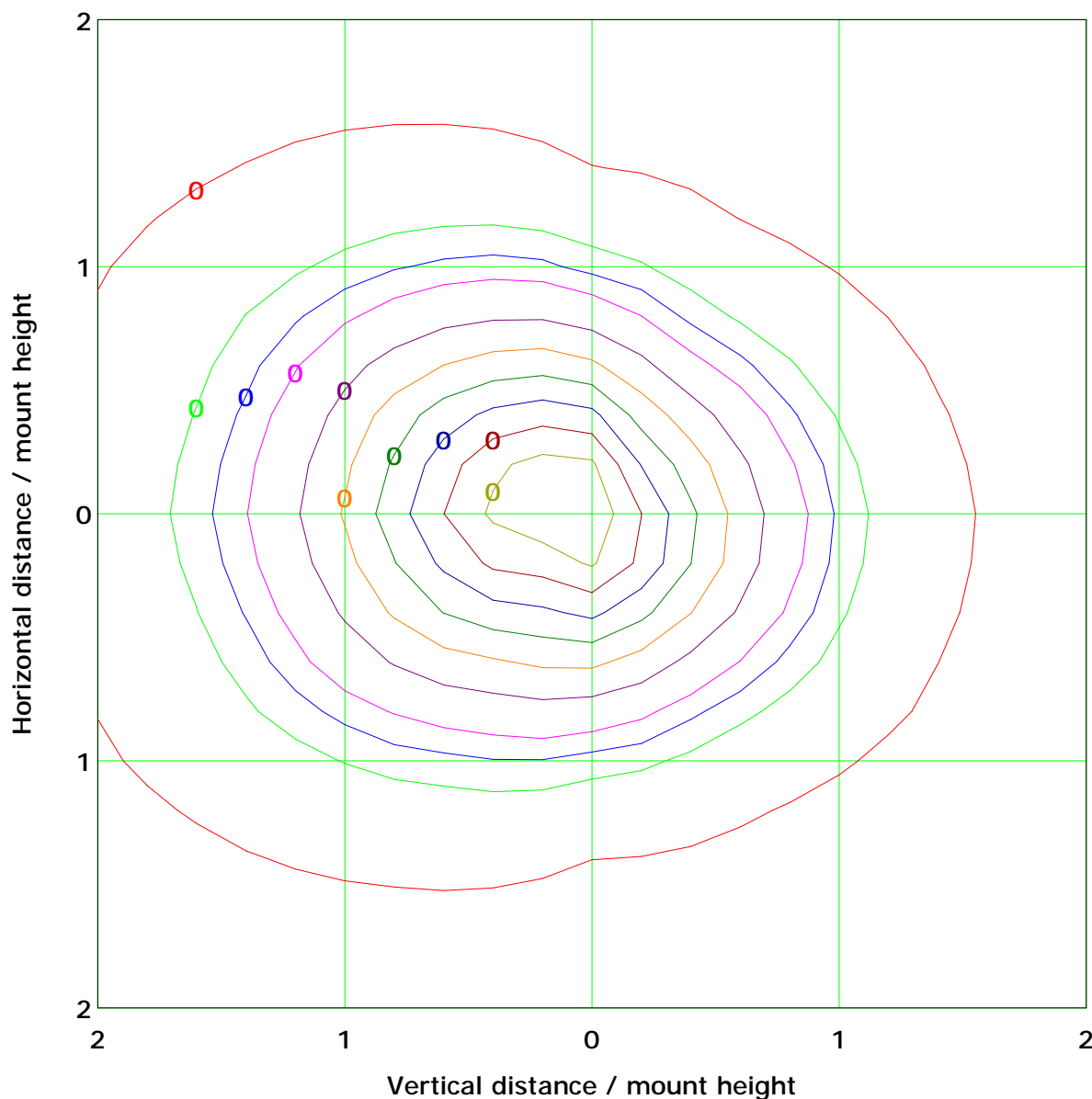
Test Device: GPM-1800B

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

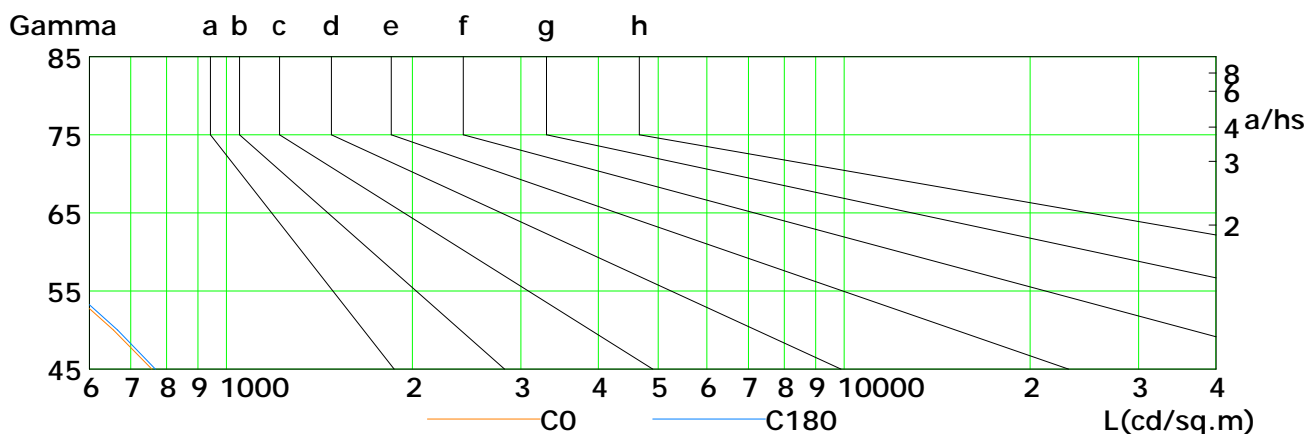
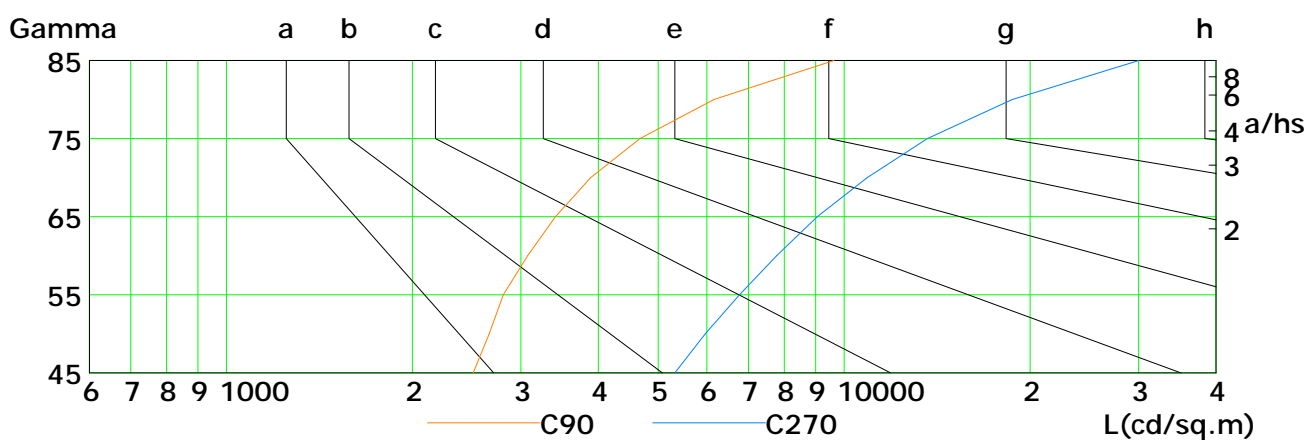
Humidity: 60%

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	758	656	557	466	368	278	190	109	44
C90	2509	2664	2807	3075	3412	3888	4676	6157	9625
C180	768	667	567	475	385	304	227	153	100
C270	5324	5961	6776	7780	9054	10902	13652	18708	30019

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

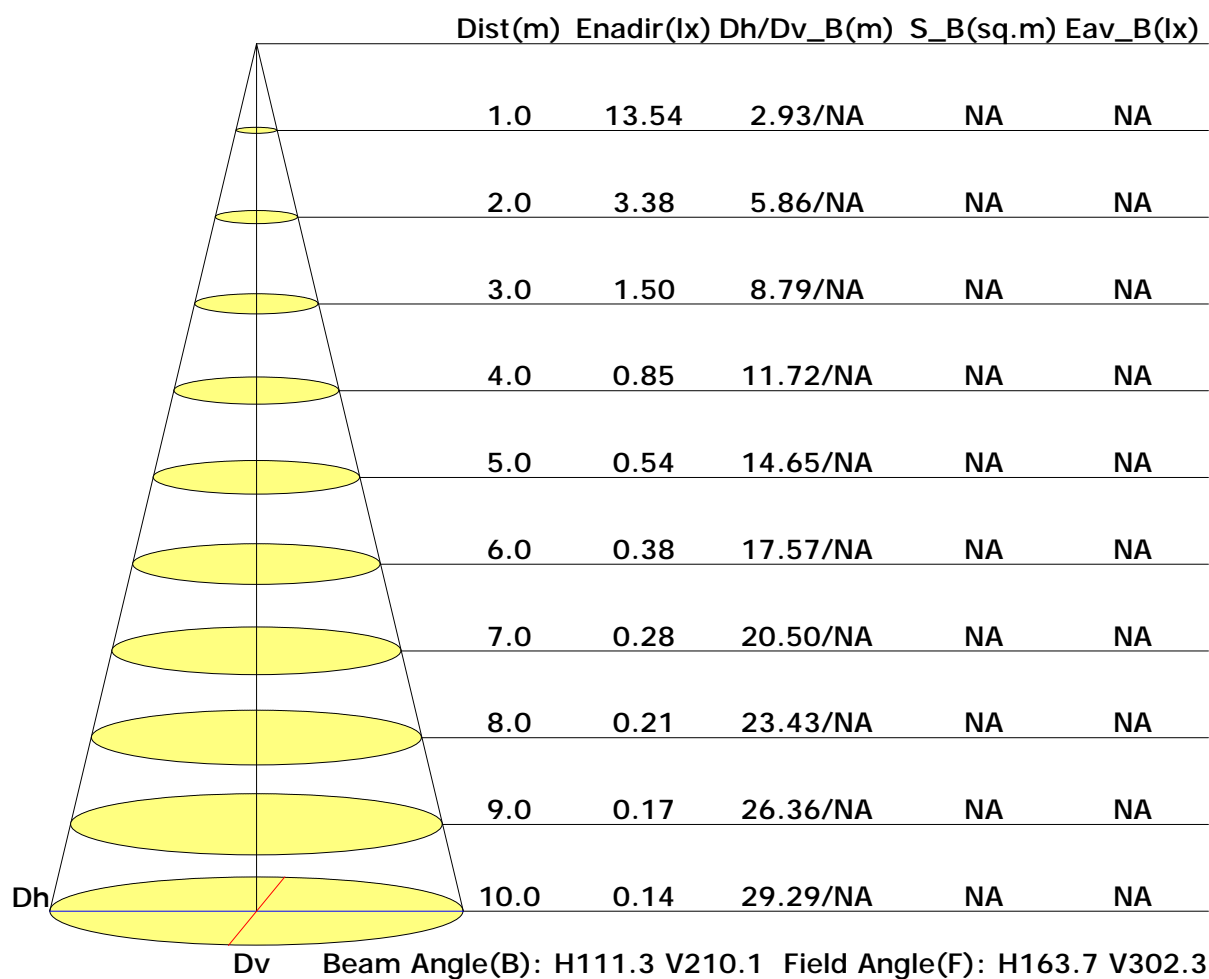
Test Device: GPM-1800B

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

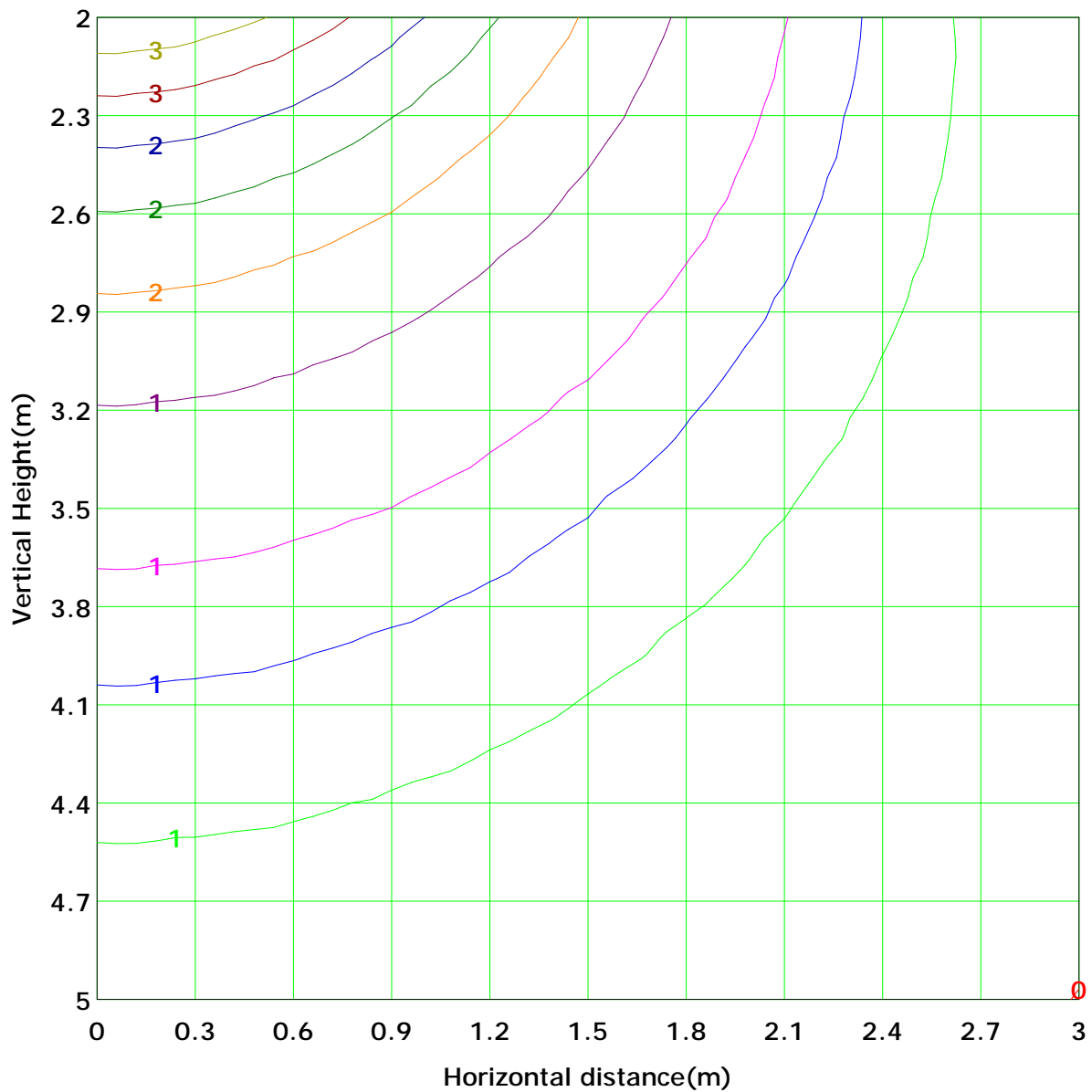
Distance: 9.028 m

Humidity: 60%

Inspector:



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 3.4 lx
(10%): 0.3 lx	(20%): 0.7 lx	(30%): 1.0 lx
(25%): 0.8 lx	(40%): 1.4 lx	(50%): 1.7 lx
(60%): 2.0 lx	(70%): 2.4 lx	(80%): 2.7 lx
(90%): 3.0 lx		

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	Flux(E)	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	65	65
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	1.6	1.6
Horizontal plane	Flux(T)	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	1.9	1.8
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	2.1	2.0
Horizontal plane	Flux(E)	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	2.3	2.3
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	2.5	2.4
Horizontal plane	Flux(T)	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	2.6	2.6
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	2.8	2.8
Horizontal plane	Flux(E)	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	3.1	3.0
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	3.4	3.4
Horizontal plane	Flux(T)	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	3.7	3.7
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	4.0	4.0
Horizontal plane	Flux(E)	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	4.3	4.3
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	4.7	4.7
Horizontal plane	Flux(T)	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.1	5.1
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.4	5.4
Horizontal plane	Flux(E)	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.5	5.4
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.5	5.4
Horizontal plane	Flux(T)	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.4	5.4
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.4	5.4
Horizontal plane	Flux(E)	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.2	5.2
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.2	5.2

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

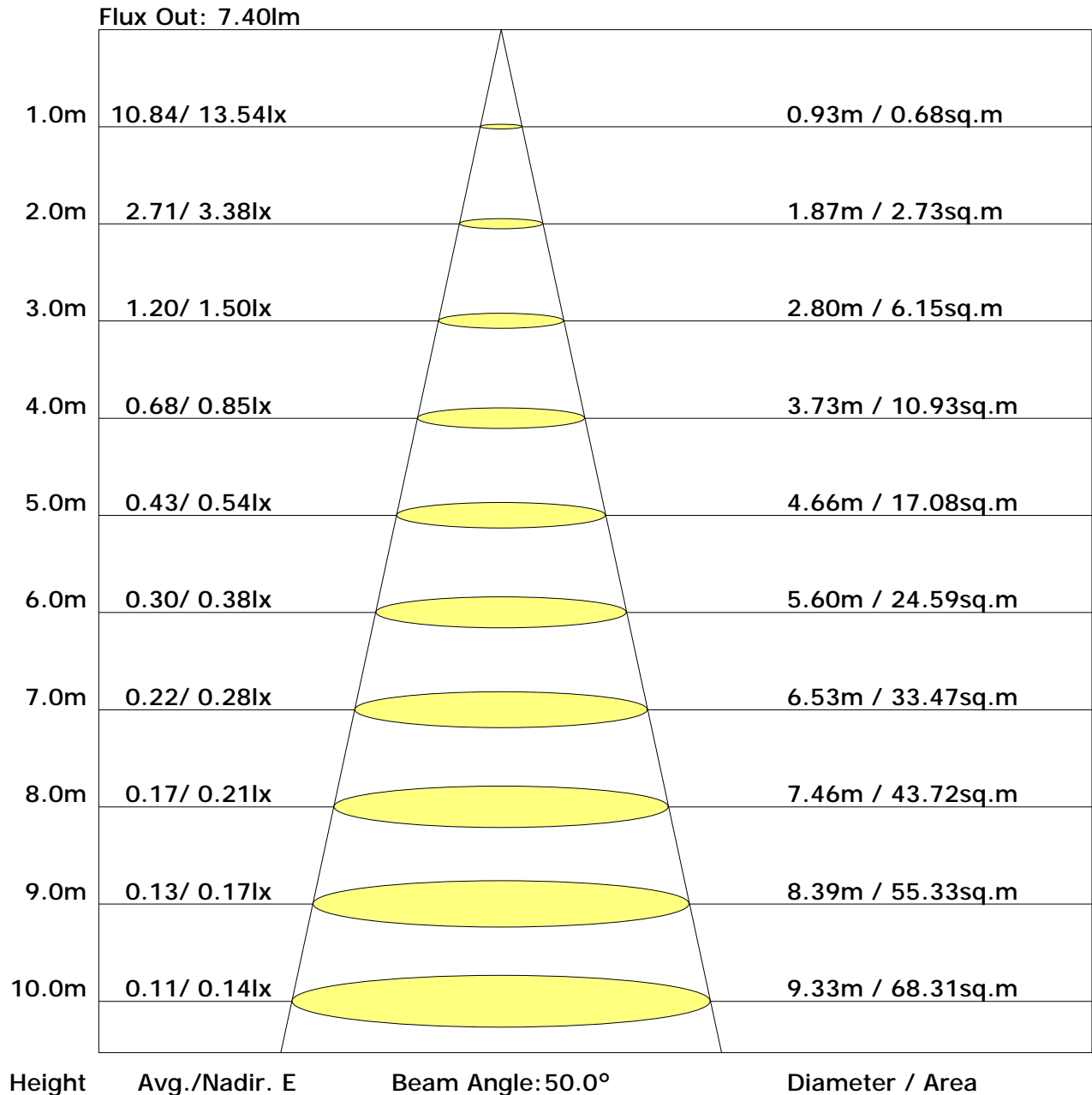
Distance: 9.028 m

Humidity: 60%

Inspector:



The Average Illuminance Effective Figure



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	18.8
3H	20.2	21.4	20.9	22.1	23.1	18.2	19.4	19.0	20.2	21.1
4H	20.9	22.1	21.7	22.8	23.8	19.3	20.4	20.1	21.2	22.2
6H	21.5	22.5	22.2	23.3	24.3	20.4	21.4	21.2	22.2	23.2
8H	21.7	22.7	22.4	23.5	24.4	20.9	21.9	21.7	22.7	23.7
12H	21.8	22.7	22.6	23.5	24.5	21.4	22.4	22.2	23.2	24.2
X=4H Y=2H	19.2	20.4	20.0	21.1	22.1	16.5	17.6	17.2	18.4	19.3
3H	21.5	22.4	22.2	23.3	24.2	19.1	20.1	19.9	20.9	21.8
4H	22.4	23.3	23.2	24.1	25.1	20.4	21.3	21.1	22.1	23.1
6H	23.2	24.0	24.0	24.8	25.8	21.6	22.4	22.4	23.2	24.2
8H	23.5	24.2	24.3	25.0	26.1	22.2	23.0	23.0	23.8	24.8
12H	23.7	24.3	24.5	25.2	26.2	22.8	23.5	23.6	24.4	25.4
X=8H Y=4H	23.3	24.1	24.1	24.9	25.9	20.7	21.5	21.5	22.3	23.3
6H	24.3	25.0	25.2	25.9	26.9	22.2	22.8	23.0	23.7	24.7
8H	24.8	25.4	25.7	26.3	27.3	23.0	23.5	23.8	24.4	25.4
12H	25.2	25.7	26.0	26.6	27.7	23.7	24.3	24.6	25.1	26.2
X=12H Y=4H	23.5	24.2	24.4	25.1	26.1	20.7	21.4	21.6	22.3	23.3
6H	24.7	25.3	25.6	26.2	27.2	22.3	22.9	23.1	23.7	24.8
8H	25.3	25.9	26.2	26.7	27.8	23.1	23.7	24.0	24.5	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	0.88
	0.30		NA	0.44	0.50	0.55	0.63	0.68	0.73	0.79	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	0.67	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	0.37	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	0.39	0.42	0.45	0.49	0.52
Rating: 10W 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	0.42	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	0.73	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	0.72	0.46	0.42	0.38	0.33	0.29	0.26	0.22	0.19
Rating: 10W 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	0.48	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	0.42
0.50	0.50	0.20	NA	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.47
	0.30		NA	0.38	0.39	0.40	0.41	0.42	0.42	0.43	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	0.34	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: 10W 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 [%]
0.0-1.0	12.8	0.0	0.0	0.01	0.01
1.0-2.0	12.8	0.0	0.0	0.04	0.05
2.0-3.0	12.8	0.1	0.1	0.07	0.12
3.0-4.0	12.8	0.1	0.2	0.09	0.21
4.0-5.0	12.8	0.1	0.3	0.12	0.34
5.0-6.0	12.8	0.1	0.4	0.15	0.48
6.0-7.0	12.8	0.2	0.6	0.17	0.66
7.0-8.0	12.8	0.2	0.8	0.20	0.86
8.0-9.0	12.8	0.2	1.0	0.23	1.08
9.0-10.0	12.7	0.2	1.2	0.25	1.34
10.0-11.0	12.7	0.3	1.5	0.28	1.61
11.0-12.0	12.7	0.3	1.8	0.30	1.92
12.0-13.0	12.7	0.3	2.1	0.33	2.25
13.0-14.0	12.7	0.3	2.4	0.36	2.60
14.0-15.0	12.6	0.3	2.7	0.38	2.98
15.0-16.0	12.6	0.4	3.1	0.41	3.39
16.0-17.0	12.6	0.4	3.5	0.43	3.82
17.0-18.0	12.6	0.4	3.9	0.45	4.28
18.0-19.0	12.6	0.4	4.3	0.48	4.75
19.0-20.0	12.5	0.5	4.8	0.50	5.26
20.0-21.0	12.5	0.5	5.3	0.53	5.78
21.0-22.0	12.5	0.5	5.8	0.55	6.33
22.0-23.0	12.4	0.5	6.3	0.57	6.90
23.0-24.0	12.4	0.5	6.8	0.59	7.50
24.0-25.0	12.4	0.6	7.4	0.62	8.12
25.0-26.0	12.4	0.6	8.0	0.64	8.76
26.0-27.0	12.3	0.6	8.6	0.66	9.42
27.0-28.0	12.3	0.6	9.2	0.68	10.10
28.0-29.0	12.2	0.6	9.9	0.70	10.80
29.0-30.0	12.2	0.7	10.5	0.72	11.52
30.0-31.0	12.2	0.7	11.2	0.74	12.27
31.0-32.0	12.2	0.7	11.9	0.76	13.03
32.0-33.0	12.1	0.7	12.6	0.78	13.82
33.0-34.0	12.1	0.7	13.3	0.80	14.62
34.0-35.0	12.1	0.7	14.1	0.82	15.44
35.0-36.0	12.0	0.8	14.9	0.84	16.28

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	12.0	0.8	15.6	0.86	17.14
37.0-38.0	12.0	0.8	16.4	0.87	18.01
38.0-39.0	11.9	0.8	17.2	0.89	18.90
39.0-40.0	11.9	0.8	18.1	0.91	19.81
40.0-41.0	11.8	0.8	18.9	0.92	20.73
41.0-42.0	11.8	0.9	19.8	0.94	21.67
42.0-43.0	11.7	0.9	20.6	0.95	22.62
43.0-44.0	11.7	0.9	21.5	0.97	23.59
44.0-45.0	11.6	0.9	22.4	0.98	24.57
45.0-46.0	11.6	0.9	23.3	0.99	25.56
46.0-47.0	11.5	0.9	24.2	1.00	26.57
47.0-48.0	11.5	0.9	25.2	1.02	27.58
48.0-49.0	11.4	0.9	26.1	1.03	28.61
49.0-50.0	11.4	0.9	27.0	1.04	29.65
50.0-51.0	11.3	1.0	28.0	1.05	30.69
51.0-52.0	11.2	1.0	29.0	1.06	31.75
52.0-53.0	11.2	1.0	29.9	1.06	32.81
53.0-54.0	11.1	1.0	30.9	1.07	33.88
54.0-55.0	11.0	1.0	31.9	1.08	34.96
55.0-56.0	10.9	1.0	32.9	1.08	36.04
56.0-57.0	10.8	1.0	33.9	1.09	37.13
57.0-58.0	10.8	1.0	34.9	1.09	38.22
58.0-59.0	10.7	1.0	35.9	1.10	39.32
59.0-60.0	10.6	1.0	36.9	1.10	40.42
60.0-61.0	10.5	1.0	37.9	1.10	41.52
61.0-62.0	10.4	1.0	38.9	1.10	42.62
62.0-63.0	10.3	1.0	39.9	1.10	43.73
63.0-64.0	10.3	1.0	40.9	1.10	44.83
64.0-65.0	10.2	1.0	41.9	1.10	45.93
65.0-66.0	10.1	1.0	42.9	1.10	47.03
66.0-67.0	10.0	1.0	43.9	1.10	48.13
67.0-68.0	9.9	1.0	44.9	1.10	49.23
68.0-69.0	9.8	1.0	45.9	1.09	50.32
69.0-70.0	9.7	1.0	46.9	1.09	51.41
70.0-71.0	9.6	1.0	47.9	1.08	52.49
71.0-72.0	9.5	1.0	48.9	1.08	53.57

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	9.4	1.0	49.9	1.07	54.64
73.0-74.0	9.2	1.0	50.8	1.07	55.71
74.0-75.0	9.1	1.0	51.8	1.06	56.77
75.0-76.0	9.0	1.0	52.8	1.05	57.82
76.0-77.0	8.9	1.0	53.7	1.05	58.86
77.0-78.0	8.8	0.9	54.7	1.04	59.90
78.0-79.0	8.7	0.9	55.6	1.03	60.93
79.0-80.0	8.6	0.9	56.5	1.02	61.95
80.0-81.0	8.5	0.9	57.4	1.01	62.95
81.0-82.0	8.4	0.9	58.3	1.00	63.95
82.0-83.0	8.3	0.9	59.3	0.99	64.94
83.0-84.0	8.2	0.9	60.1	0.98	65.92
84.0-85.0	8.1	0.9	61.0	0.97	66.89
85.0-86.0	8.0	0.9	61.9	0.96	67.85
86.0-87.0	7.9	0.9	62.8	0.95	68.80
87.0-88.0	7.8	0.9	63.6	0.94	69.74
88.0-89.0	7.7	0.8	64.5	0.93	70.67
89.0-90.0	7.6	0.8	65.3	0.91	71.58
90.0-91.0	7.5	0.8	66.1	0.90	72.48
91.0-92.0	7.4	0.8	66.9	0.89	73.37
92.0-93.0	7.4	0.8	67.8	0.88	74.26
93.0-94.0	7.3	0.8	68.5	0.87	75.13
94.0-95.0	7.2	0.8	69.3	0.86	75.99
95.0-96.0	7.1	0.8	70.1	0.85	76.85
96.0-97.0	7.1	0.8	70.9	0.84	77.69
97.0-98.0	7.0	0.8	71.6	0.83	78.53
98.0-99.0	6.9	0.7	72.4	0.82	79.35
99.0-100.0	6.8	0.7	73.1	0.81	80.16
100.0-101.0	6.8	0.7	73.9	0.80	80.95
101.0-102.0	6.7	0.7	74.6	0.78	81.74
102.0-103.0	6.5	0.7	75.3	0.77	82.51
103.0-104.0	6.5	0.7	76.0	0.75	83.26
104.0-105.0	6.4	0.7	76.6	0.74	84.00
105.0-106.0	6.3	0.7	77.3	0.72	84.73
106.0-107.0	6.1	0.6	77.9	0.71	85.43
107.0-108.0	6.0	0.6	78.6	0.69	86.12

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	5.9	0.6	79.2	0.67	86.79
109.0-110.0	5.8	0.6	79.8	0.65	87.45
110.0-111.0	5.6	0.6	80.4	0.64	88.08
111.0-112.0	5.5	0.6	80.9	0.62	88.70
112.0-113.0	5.4	0.5	81.5	0.60	89.30
113.0-114.0	5.2	0.5	82.0	0.58	89.88
114.0-115.0	5.1	0.5	82.5	0.56	90.43
115.0-116.0	4.9	0.5	83.0	0.54	90.97
116.0-117.0	4.8	0.5	83.5	0.52	91.49
117.0-118.0	4.7	0.5	83.9	0.50	91.98
118.0-119.0	4.5	0.4	84.4	0.48	92.46
119.0-120.0	4.4	0.4	84.8	0.46	92.91
120.0-121.0	4.2	0.4	85.2	0.44	93.35
121.0-122.0	4.1	0.4	85.6	0.42	93.77
122.0-123.0	3.9	0.4	85.9	0.40	94.17
123.0-124.0	3.8	0.3	86.3	0.38	94.55
124.0-125.0	3.7	0.3	86.6	0.36	94.91
125.0-126.0	3.5	0.3	86.9	0.35	95.26
126.0-127.0	3.4	0.3	87.2	0.33	95.58
127.0-128.0	3.3	0.3	87.5	0.31	95.90
128.0-129.0	3.1	0.3	87.8	0.30	96.19
129.0-130.0	3.0	0.3	88.0	0.28	96.47
130.0-131.0	2.9	0.2	88.3	0.26	96.73
131.0-132.0	2.7	0.2	88.5	0.25	96.98
132.0-133.0	2.6	0.2	88.7	0.23	97.21
133.0-134.0	2.5	0.2	88.9	0.22	97.43
134.0-135.0	2.4	0.2	89.1	0.20	97.63
135.0-136.0	2.3	0.2	89.3	0.19	97.83
136.0-137.0	2.2	0.2	89.4	0.18	98.01
137.0-138.0	2.1	0.2	89.6	0.17	98.18
138.0-139.0	2.0	0.1	89.7	0.16	98.33
139.0-140.0	1.9	0.1	89.9	0.15	98.48
140.0-141.0	1.8	0.1	90.0	0.14	98.62
141.0-142.0	1.7	0.1	90.1	0.13	98.74
142.0-143.0	1.6	0.1	90.2	0.12	98.86
143.0-144.0	1.5	0.1	90.3	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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.4	0.1	90.4	0.10	99.06
145.0-146.0	1.3	0.1	90.5	0.09	99.15
146.0-147.0	1.2	0.1	90.5	0.08	99.23
147.0-148.0	1.1	0.1	90.6	0.07	99.30
148.0-149.0	1.1	0.1	90.7	0.07	99.37
149.0-150.0	1.0	0.1	90.7	0.06	99.43
150.0-151.0	0.9	0.1	90.8	0.06	99.49
151.0-152.0	0.9	0.0	90.8	0.05	99.54
152.0-153.0	0.8	0.0	90.9	0.05	99.58
153.0-154.0	0.8	0.0	90.9	0.04	99.63
154.0-155.0	0.7	0.0	90.9	0.04	99.66
155.0-156.0	0.7	0.0	91.0	0.04	99.70
156.0-157.0	0.7	0.0	91.0	0.03	99.73
157.0-158.0	0.7	0.0	91.0	0.03	99.76
158.0-159.0	0.6	0.0	91.0	0.03	99.79
159.0-160.0	0.6	0.0	91.1	0.03	99.82
160.0-161.0	0.6	0.0	91.1	0.02	99.84
161.0-162.0	0.6	0.0	91.1	0.02	99.86
162.0-163.0	0.5	0.0	91.1	0.02	99.88
163.0-164.0	0.5	0.0	91.1	0.02	99.90
164.0-165.0	0.5	0.0	91.2	0.02	99.92
165.0-166.0	0.5	0.0	91.2	0.01	99.93
166.0-167.0	0.4	0.0	91.2	0.01	99.95
167.0-168.0	0.4	0.0	91.2	0.01	99.96
168.0-169.0	0.4	0.0	91.2	0.01	99.97
169.0-170.0	0.4	0.0	91.2	0.01	99.97
170.0-171.0	0.3	0.0	91.2	0.01	99.98
171.0-172.0	0.3	0.0	91.2	0.01	99.99
172.0-173.0	0.3	0.0	91.2	0.00	99.99
173.0-174.0	0.3	0.0	91.2	0.00	99.99
174.0-175.0	0.2	0.0	91.2	0.00	100.00
175.0-176.0	0.2	0.0	91.2	0.00	100.00
176.0-177.0	0.2	0.0	91.2	0.00	100.00
177.0-178.0	0.1	0.0	91.2	0.00	100.00
178.0-179.0	0.1	0.0	91.2	0.00	100.00
179.0-180.0	0.1	0.0	91.2	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: