

Report No.:

Test Time: 2021/11/16 16:48

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: LINEA RIBBONLYTE

Luminaire Description: RBOLINEA206.1VW-2700+6500

Lamp Catalog:

Lamp Description: 2700+6500K

Luminous Length (mm): 500

Luminous Height (mm): 1.5

Current: 0.401 A

Power Factor: 1.000

Number of Lamps: 576/M

Luminous Width (mm): 10

Voltage: 24.0 V

Power: 9.61 W

Photometric Results

CIE Class: Direct

Measurement Flux: 890.7 lm

Downward Ratio: 96%

Horizontal Diffuse Angle(10%,50%): H161.1,H116.2

Vertical Diffuse Angle(10%,50%): V196.4,V142.5

Luminaire Efficacy Rating (LER): 93

Max. Intensity: 247.12 cd

Total Rated Lamp Lumens: 890.7 lm

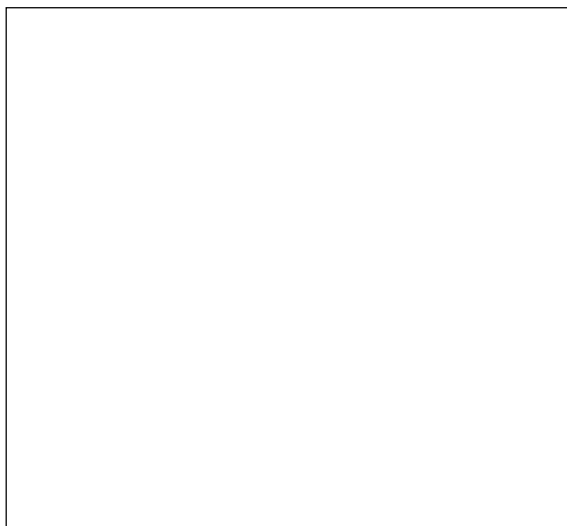
Efficiency: 100%

Upward Ratio: 4%

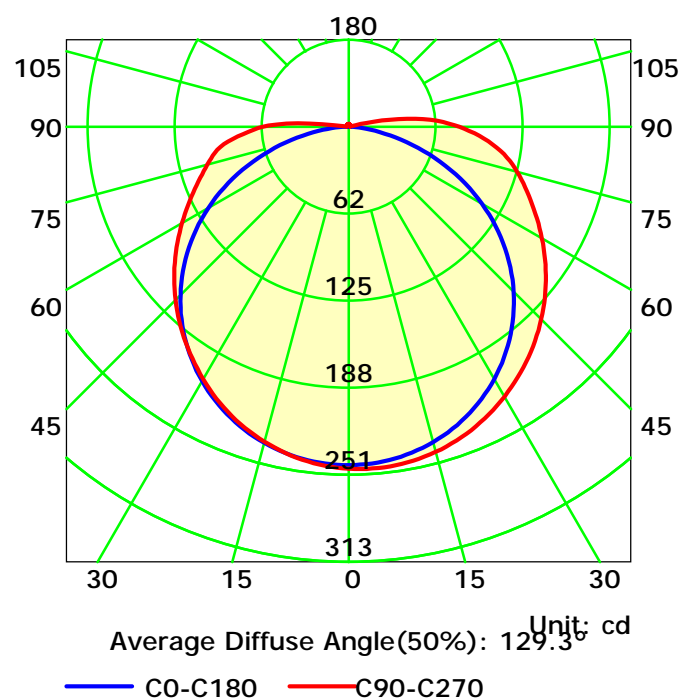
Central Intensity: 244.08 cd

Pos of Max. Intensity: H90 V4

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

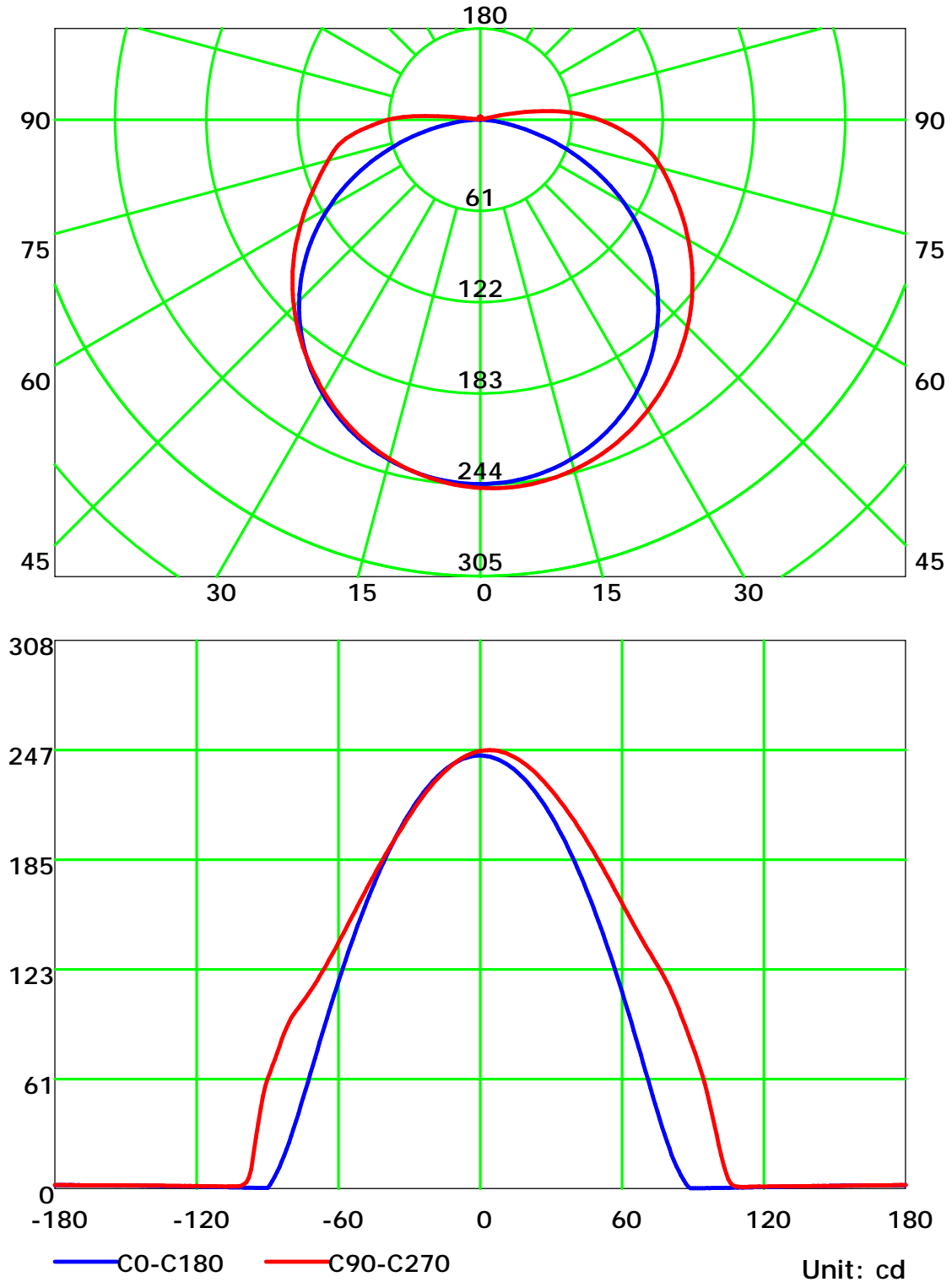
Distance: 9.028 m

Humidity: 60%

Inspector:



Luminous Intensity Distribution Curve

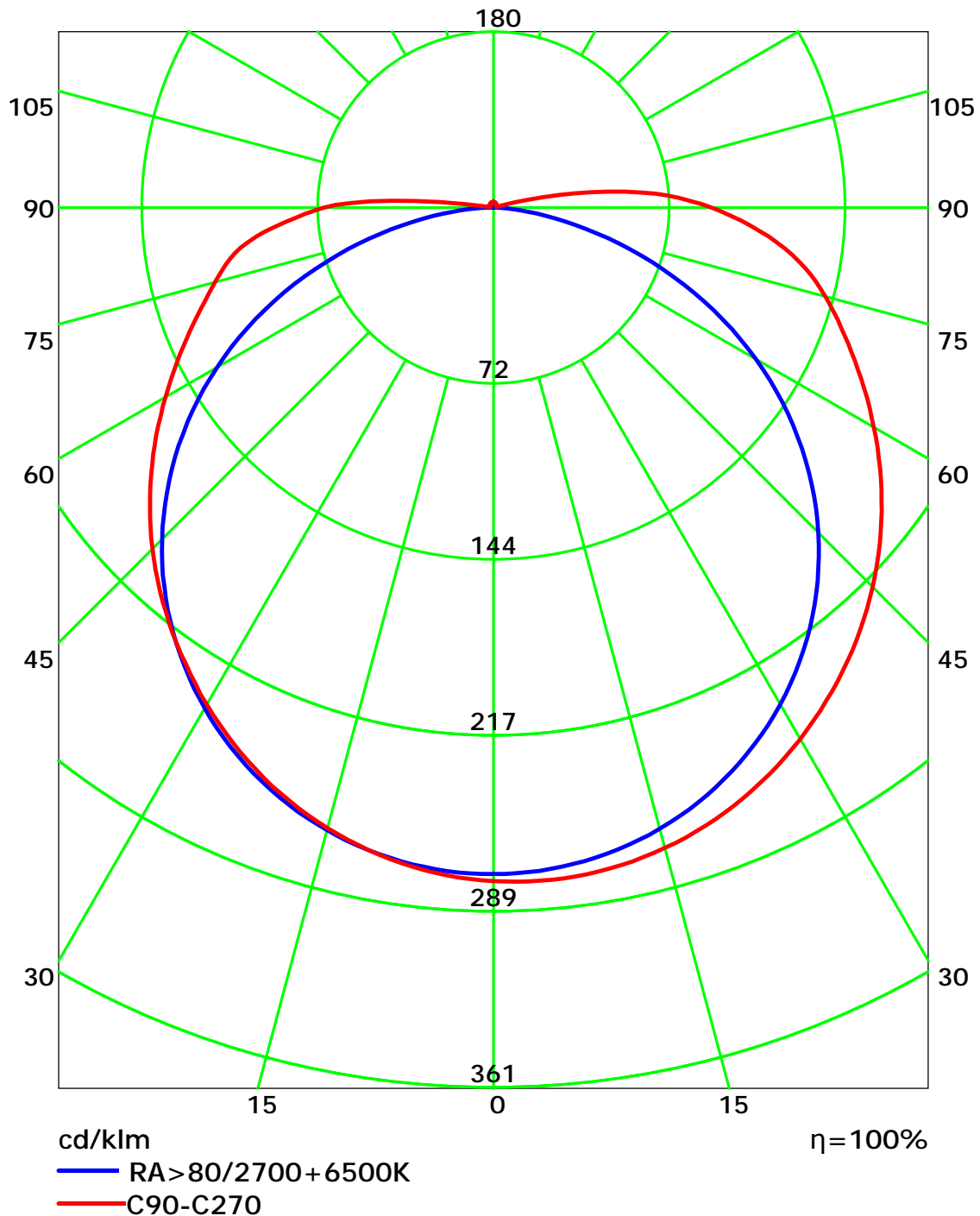


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

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:

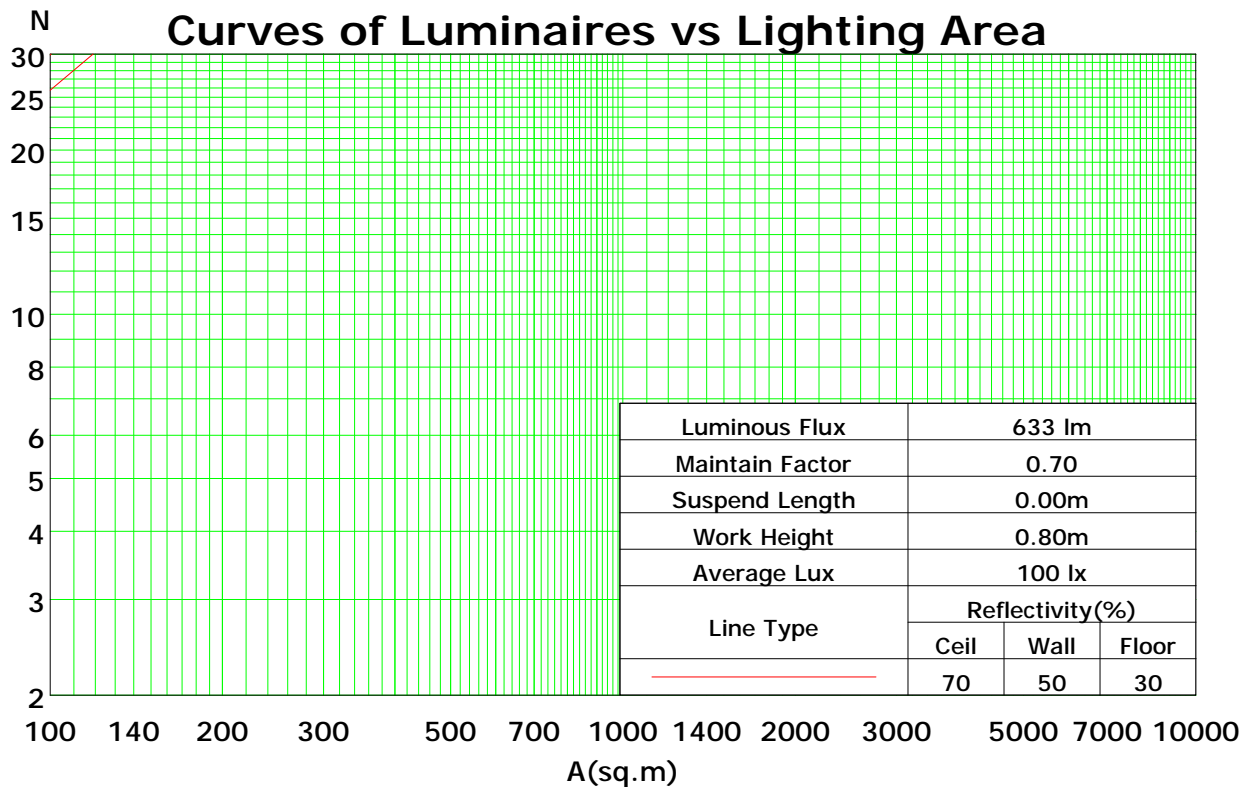
Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	105	99	94	89	102	97	92	87	92	88	84	87	84	81	83	80	78	75
2	95	85	77	71	91	83	76	69	79	72	67	75	70	65	71	67	63	61
3	86	74	65	58	83	72	64	57	68	61	55	65	59	54	62	57	52	50
4	78	65	55	48	75	63	54	48	60	53	46	58	51	45	55	49	44	42
5	72	58	48	41	69	56	47	41	54	46	40	51	44	39	49	43	38	36
6	66	52	42	36	64	51	42	35	48	41	35	46	39	34	44	38	33	31
7	61	47	38	31	59	46	37	31	44	36	30	42	35	30	40	34	29	27
8	57	43	34	28	55	42	33	27	40	32	27	39	32	27	37	31	26	24
9	53	39	31	25	51	38	30	25	37	29	24	36	29	24	34	28	24	22
10	50	36	28	22	48	35	28	22	34	27	22	33	26	22	32	26	21	20

Spacing Criteria (0-180): 1.28

Spacing Criteria (90-270): 1.31

Spacing Criteria (Diagonal): 1.44



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

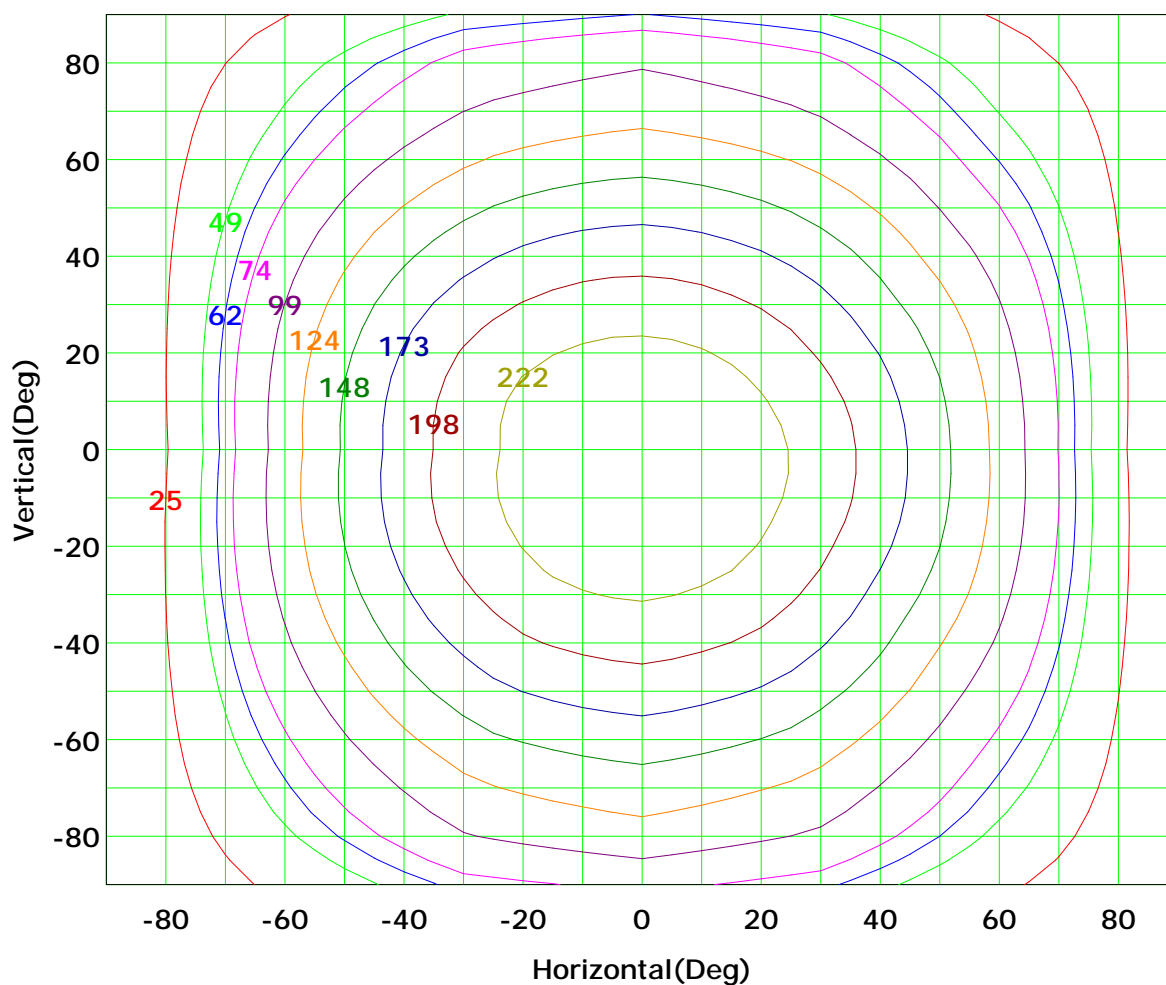
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



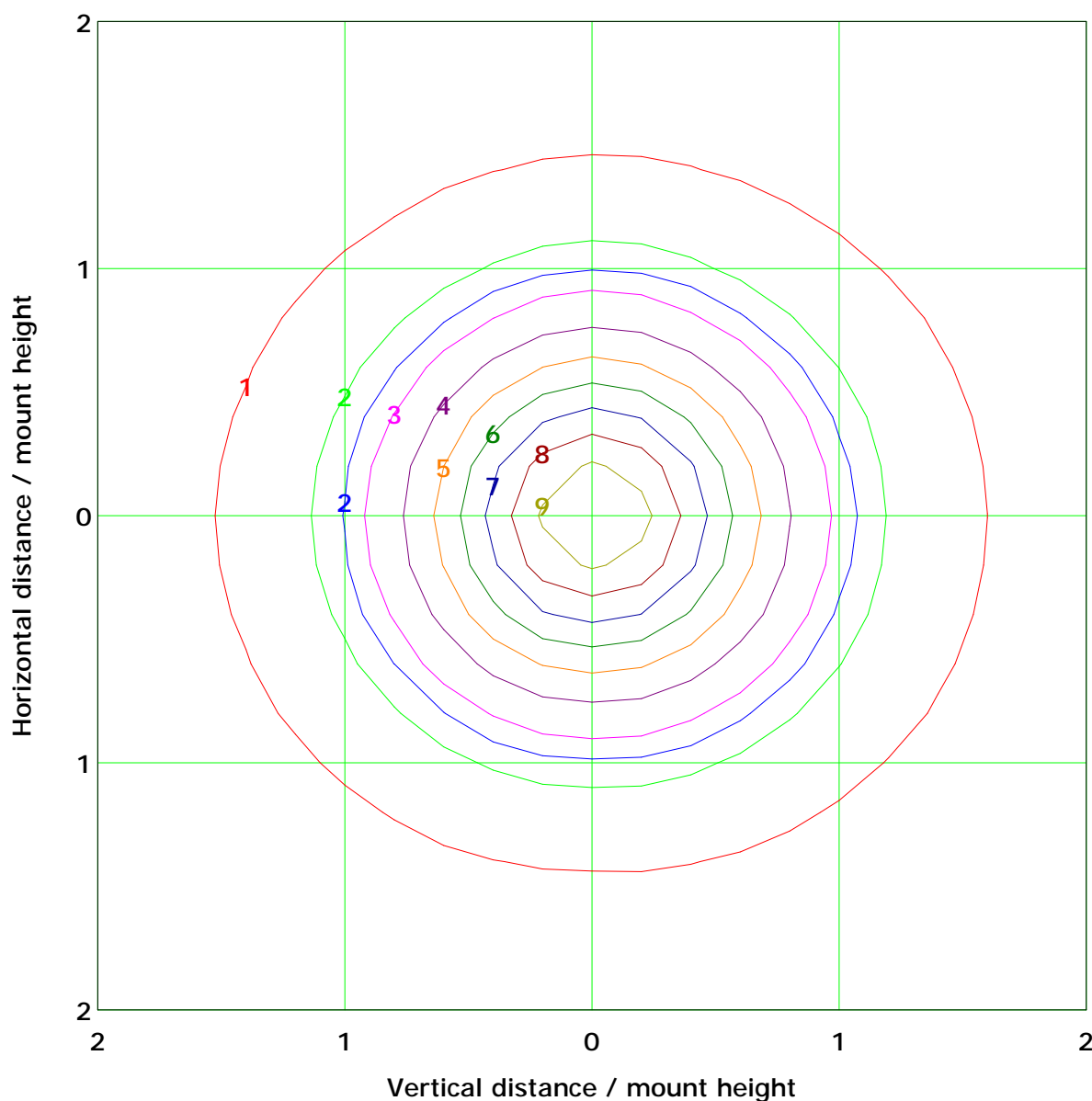
I_{max} (100%): 247 cd

(10%):	25 cd	(20%):	49 cd
(25%):	62 cd	(30%):	74 cd
(40%):	99 cd	(50%):	124 cd
(60%):	148 cd	(70%):	173 cd
(80%):	198 cd	(90%):	222 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



Mounting Height: 5.0m Max Lux(100%): 9.9 lx

(10%): 1.0 lx	(20%): 2.0 lx
(25%): 2.5 lx	(30%): 3.0 lx
(40%): 3.9 lx	(50%): 4.9 lx
(60%): 5.9 lx	(70%): 6.9 lx
(80%): 7.9 lx	(90%): 8.9 lx

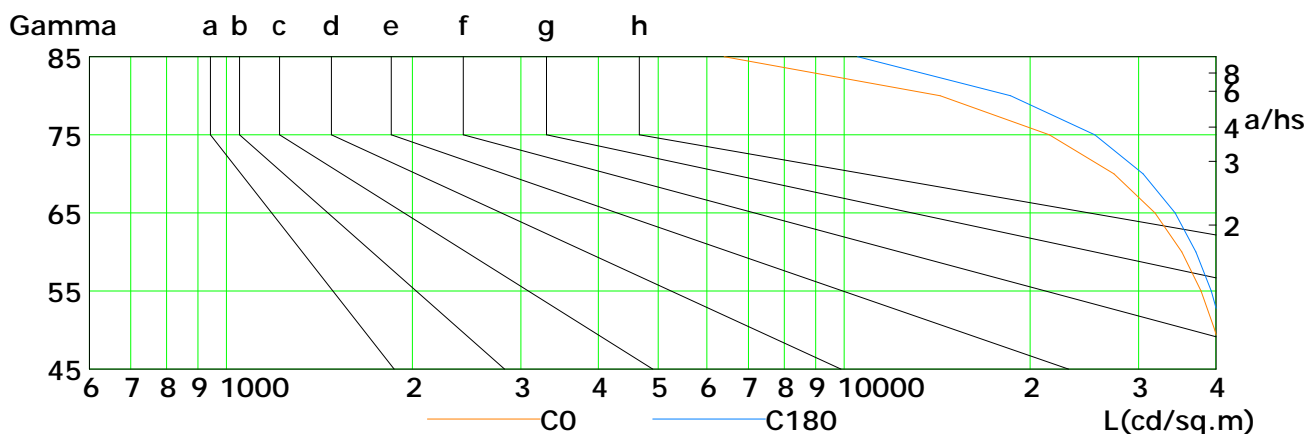
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

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

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

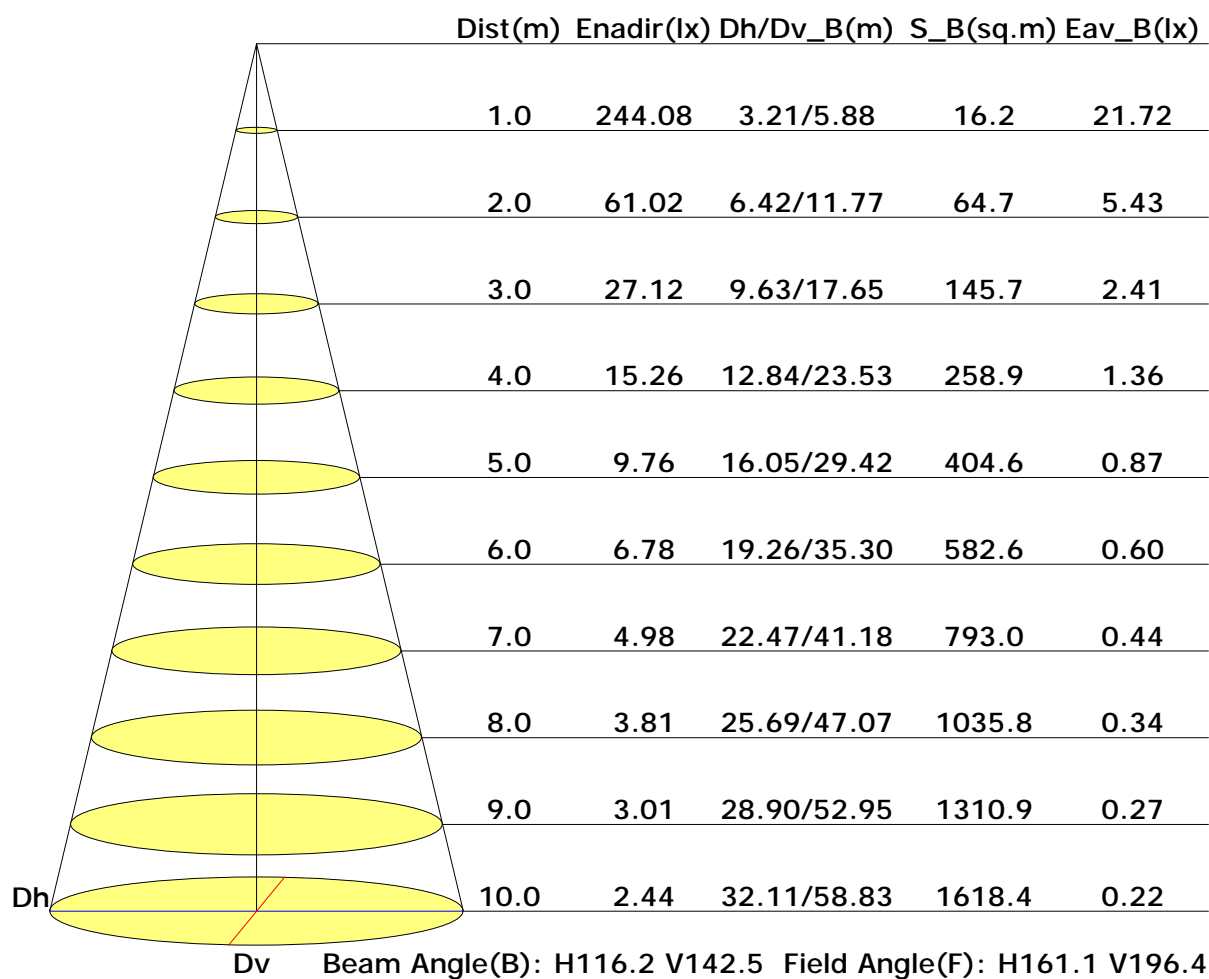


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	41413	39837	37863	35247	31871	27347	21486	14308	6399
C90	55410	57428	60177	64051	69926	79417	96226	128764	216830
C180	42232	40935	39296	37142	34374	30478	25464	18614	10525
C270	49846	50973	52643	55269	59595	66965	80759	109104	178403

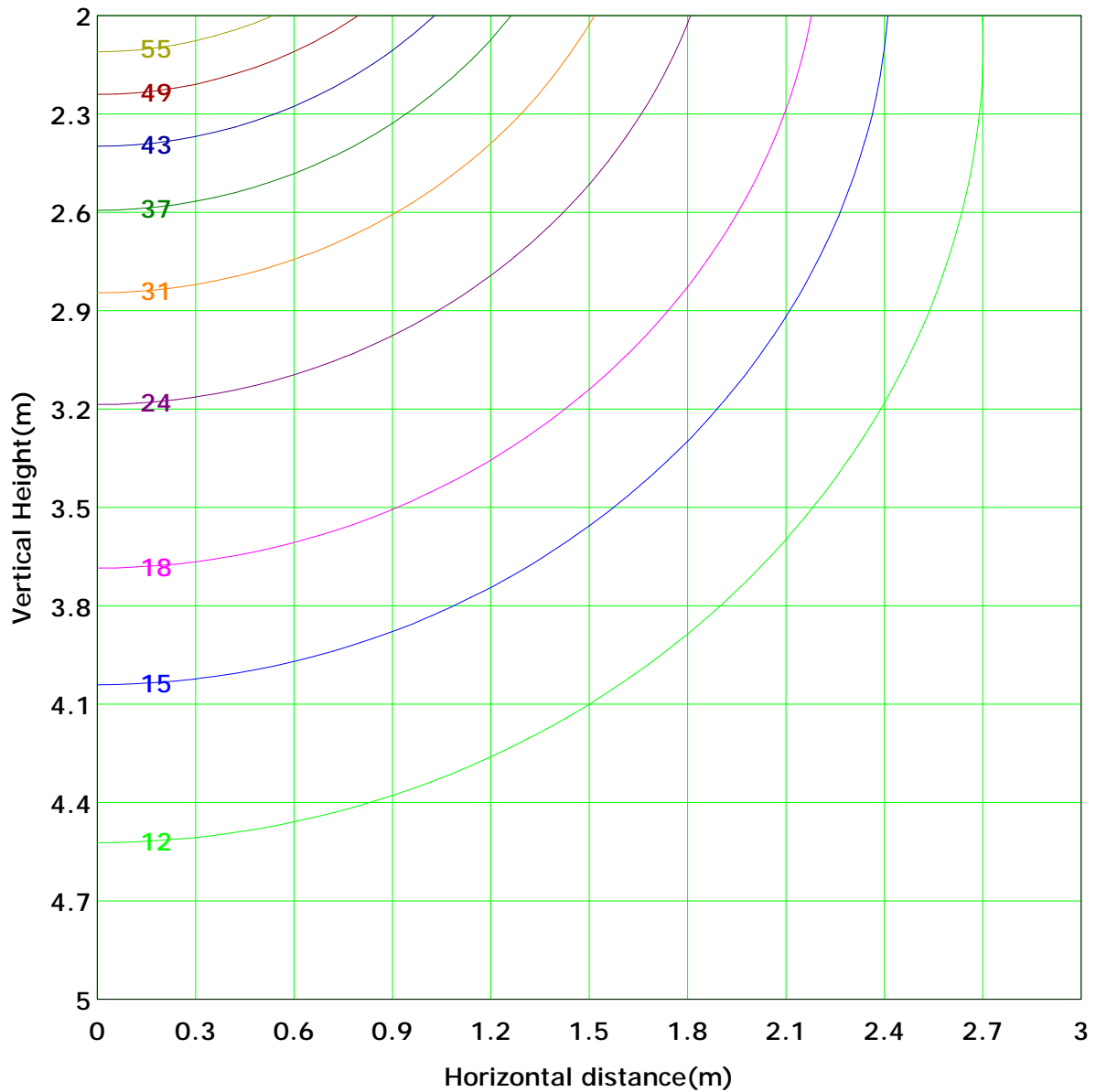
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

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

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 61.0 lx
(10%): 6.1 lx	(20%): 12.2 lx	
(25%): 15.3 lx	(30%): 18.3 lx	
(40%): 24.4 lx	(50%): 30.5 lx	
(60%): 36.6 lx	(70%): 42.7 lx	
(80%): 48.8 lx	(90%): 54.9 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

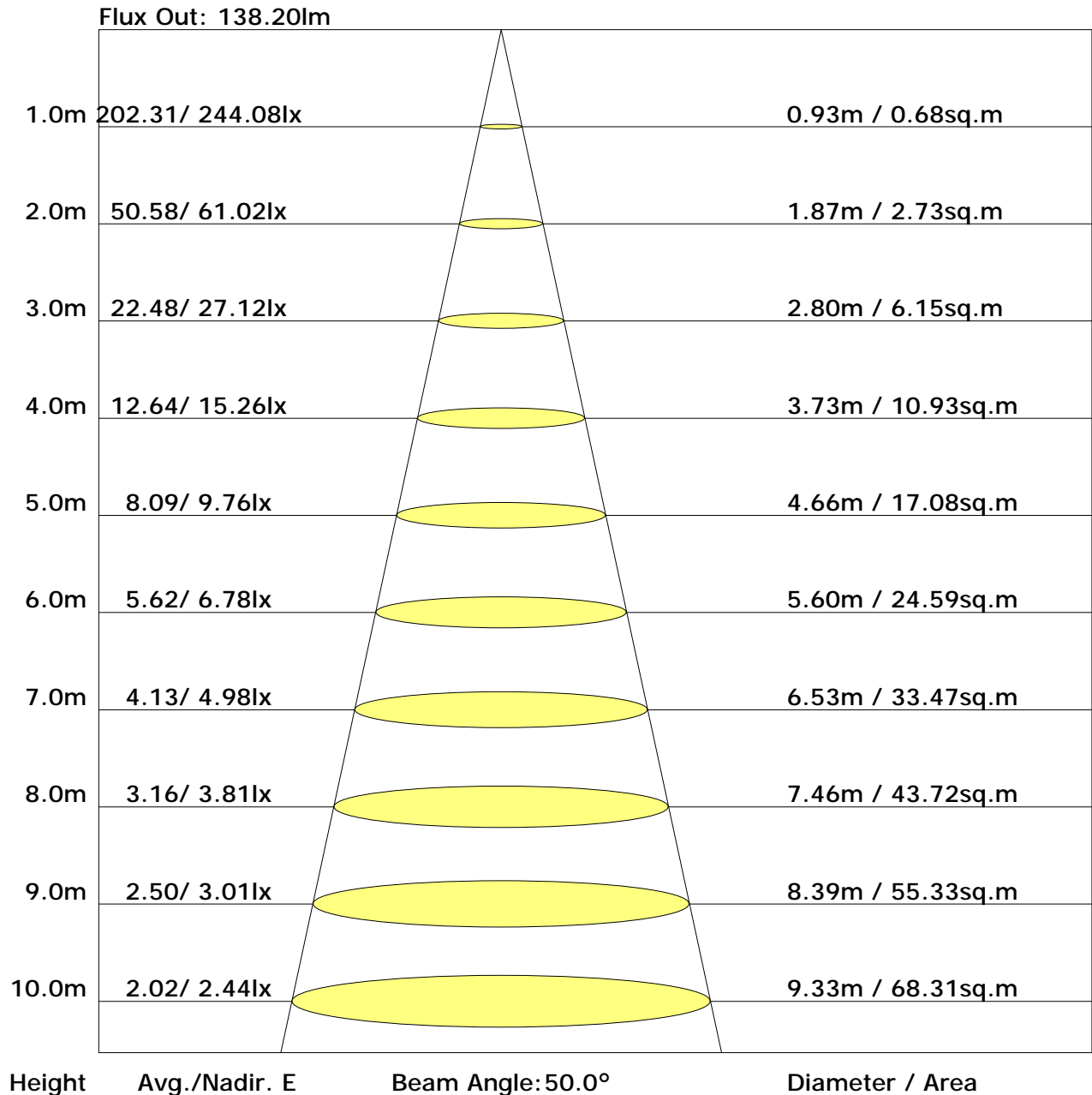
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
		0.0	0.1	0.3	0.6	1.0	1.5	1.9	2.2	2.4	2.4	2.2	1.9	1.5	1.1	0.7	0.3	0.1	0.0	0.0	20.3	19.7
		0.0	0.2	0.5	0.9	1.4	2.0	2.5	2.9	3.1	3.1	2.9	2.6	2.1	1.5	0.9	0.5	0.2	0.0	0.0	27.4	27.2
		0.0	0.2	0.6	1.1	1.8	2.5	3.1	3.5	3.8	3.8	3.5	3.1	2.5	1.8	1.2	0.6	0.2	0.0	0.0	33.5	33.3
		0.0	0.3	0.7	1.4	2.2	3.0	3.7	4.2	4.5	4.6	4.3	3.8	3.1	2.2	1.4	0.7	0.3	0.0	0.0	40.4	40.3
		0.0	0.3	0.9	1.7	2.6	3.5	4.3	5.0	5.3	5.3	5.0	4.4	3.6	2.7	1.7	0.9	0.3	0.0	0.0	47.5	47.4
		0.0	0.4	1.0	1.9	2.9	4.0	4.9	5.6	6.0	6.0	5.7	5.0	4.1	3.0	1.9	1.0	0.3	0.0	0.0	54.0	53.9
		0.0	0.4	1.1	2.1	3.3	4.4	5.4	6.2	6.6	6.6	6.3	5.5	4.5	3.3	2.1	1.1	0.4	0.0	0.0	59.5	59.4
		0.0	0.4	1.2	2.3	3.5	4.7	5.8	6.6	7.1	7.1	6.7	5.9	4.8	3.5	2.3	1.1	0.4	0.0	0.0	63.6	63.5
		0.0	0.4	1.2	2.4	3.7	4.9	6.0	6.9	7.3	7.4	6.9	6.1	4.9	3.6	2.3	1.2	0.4	0.0	0.0	65.7	65.6
		0.0	0.4	1.3	2.4	3.7	5.0	6.1	6.9	7.4	7.4	6.9	6.1	5.0	3.6	2.3	1.2	0.4	0.0	0.0	66.2	66.1
		0.1	0.4	1.2	2.4	3.6	4.9	6.0	6.8	7.3	7.3	6.9	6.0	4.9	3.6	2.3	1.2	0.4	0.0	0.0	65.2	65.1
		0.1	0.4	1.2	2.2	3.4	4.6	5.7	6.5	7.0	7.0	6.6	5.8	4.7	3.5	2.2	1.1	0.4	0.0	0.0	62.3	62.3
		0.0	0.4	1.1	2.0	3.1	4.3	5.3	6.1	6.5	6.5	6.1	5.4	4.4	3.2	2.1	1.1	0.4	0.0	0.0	58.0	57.9
		0.0	0.3	1.0	1.8	2.8	3.9	4.8	5.5	5.9	5.9	5.5	4.9	3.9	2.9	1.8	1.0	0.3	0.0	0.0	52.4	52.3
		0.0	0.3	0.8	1.6	2.5	3.4	4.2	4.8	5.2	5.2	4.9	4.3	3.5	2.5	1.6	0.8	0.3	0.0	0.0	46.0	45.9
		0.0	0.3	0.7	1.3	2.1	2.9	3.6	4.1	4.4	4.4	4.2	3.7	3.0	2.1	1.4	0.7	0.2	0.0	0.0	39.2	39.0
		0.0	0.2	0.6	1.1	1.7	2.4	3.0	3.4	3.7	3.7	3.5	3.1	2.5	1.8	1.1	0.6	0.2	0.0	0.0	32.6	32.4
		0.0	0.1	0.4	0.8	1.3	1.8	2.3	2.6	2.9	2.9	2.7	2.4	1.9	1.3	0.8	0.4	0.1	0.0	0.0	24.7	24.4
		0.7	5.6	15.8	30.0	46.7	63.8	78.9	89.9	96.4	96.7	90.7	80.0	64.8	47.4	30.2	15.4	5.1	0.5	0.5	859	
		0.2	5.1	15.7	30.0	46.7	63.8	78.9	89.9	96.4	96.7	90.7	80.0	64.8	47.4	30.2	15.3	4.5	0.0	0.0		856

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	25.1	26.8	25.5	27.1	27.5	26.2	27.9	26.6	28.3	28.7
3H	26.9	28.4	27.3	28.8	29.3	28.8	30.4	29.3	30.7	31.2
4H	27.5	29.0	28.0	29.4	29.9	30.1	31.6	30.6	32.0	32.4
6H	28.0	29.3	28.4	29.8	30.2	31.5	32.8	31.9	33.2	33.7
8H	28.1	29.4	28.6	29.9	30.3	32.1	33.4	32.6	33.9	34.3
12H	28.2	29.4	28.6	29.9	30.4	32.7	34.0	33.2	34.4	34.9
X=4H Y=2H	25.9	27.4	26.4	27.8	28.3	26.9	28.3	27.3	28.7	29.2
3H	28.0	29.3	28.5	29.7	30.2	29.8	31.0	30.2	31.5	32.0
4H	28.9	30.0	29.4	30.5	31.0	31.3	32.4	31.7	32.9	33.4
6H	29.5	30.5	30.0	31.0	31.5	32.8	33.8	33.3	34.3	34.8
8H	29.7	30.7	30.2	31.2	31.7	33.5	34.5	34.0	35.0	35.5
12H	29.8	30.7	30.4	31.2	31.8	34.3	35.2	34.8	35.7	36.2
X=8H Y=4H	29.6	30.6	30.1	31.1	31.6	31.7	32.6	32.2	33.1	33.7
6H	30.5	31.3	31.1	31.9	32.4	33.4	34.3	34.0	34.8	35.4
8H	30.9	31.6	31.4	32.2	32.7	34.4	35.1	34.9	35.7	36.2
12H	31.2	31.8	31.7	32.4	33.0	35.3	36.0	35.9	36.5	37.1
X=12H Y=4H	29.8	30.7	30.4	31.2	31.8	31.7	32.6	32.3	33.1	33.7
6H	30.9	31.6	31.4	32.1	32.7	33.6	34.3	34.1	34.8	35.5
8H	31.4	32.0	31.9	32.6	33.2	34.6	35.3	35.1	35.8	36.4

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 = 1.50									
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	0.53	0.62	0.69	0.74	0.81	0.86	0.90	0.95	0.98	
	0.30		0.45	0.53	0.61	0.66	0.74	0.80	0.84	0.90	0.94	
	0.20		0.40	0.47	0.55	0.60	0.68	0.74	0.79	0.85	0.90	
0.50	0.50	0.20	0.52	0.59	0.66	0.71	0.78	0.82	0.86	0.90	0.93	
	0.30		0.44	0.52	0.59	0.64	0.72	0.77	0.81	0.86	0.90	
	0.20		0.39	0.46	0.53	0.59	0.66	0.72	0.76	0.82	0.86	
0.30	0.50	0.20	0.50	0.57	0.63	0.68	0.74	0.78	0.82	0.86	0.89	
	0.30		0.43	0.50	0.57	0.62	0.69	0.74	0.77	0.82	0.86	
	0.20		0.39	0.45	0.52	0.57	0.65	0.70	0.74	0.79	0.83	
0.00	0.00	0.00	0.36	0.42	0.49	0.54	0.61	0.65	0.69	0.74	0.78	
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 = 1.50									
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	1.02	0.89	0.76	0.68	0.56	0.47	0.41	0.33	0.27	
	0.30		0.85	0.76	0.67	0.60	0.50	0.43	0.38	0.31	0.26	
	0.20		0.73	0.66	0.59	0.54	0.46	0.40	0.36	0.29	0.25	
0.50	0.50	0.20	0.98	0.85	0.73	0.65	0.53	0.48	0.39	0.31	0.26	
	0.30		0.83	0.74	0.64	0.58	0.48	0.42	0.37	0.30	0.25	
	0.20		0.72	0.65	0.58	0.52	0.45	0.39	0.34	0.28	0.24	
0.30	0.50	0.20	0.95	0.81	0.70	0.62	0.51	0.43	0.37	0.30	0.25	
	0.30		0.81	0.72	0.63	0.56	0.47	0.40	0.35	0.29	0.24	
	0.20		0.71	0.64	0.57	0.51	0.43	0.38	0.33	0.27	0.23	
0.00	0.00	0.00	0.61	0.54	0.48	0.43	0.36	0.31	0.28	0.23	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 = 1.50								
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	0.20	0.21	0.22	0.23	0.24	0.24	0.25	0.25	0.26
	0.30		0.13	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22
	0.20		0.08	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.50	0.50	0.20	0.19	0.21	0.21	0.22	0.23	0.23	0.24	0.24	0.24
	0.30		0.13	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.21
	0.20		0.08	0.09	0.10	0.12	0.13	0.15	0.16	0.18	0.19
0.30	0.50	0.20	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.23
	0.30		0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.08	0.09	0.10	0.11	0.13	0.14	0.16	0.17	0.18
0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
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	245.7	0.2	0.2	0.03	0.03
1.0-2.0	245.7	0.7	0.9	0.08	0.11
2.0-3.0	245.5	1.2	2.1	0.13	0.24
3.0-4.0	245.3	1.6	3.8	0.18	0.42
4.0-5.0	245.0	2.1	5.9	0.24	0.66
5.0-6.0	244.7	2.6	8.4	0.29	0.95
6.0-7.0	244.2	3.0	11.5	0.34	1.29
7.0-8.0	243.7	3.5	15.0	0.39	1.68
8.0-9.0	243.2	3.9	18.9	0.44	2.12
9.0-10.0	242.5	4.4	23.3	0.49	2.61
10.0-11.0	241.8	4.8	28.1	0.54	3.16
11.0-12.0	241.0	5.3	33.4	0.59	3.75
12.0-13.0	240.2	5.7	39.1	0.64	4.39
13.0-14.0	239.2	6.1	45.2	0.69	5.08
14.0-15.0	238.3	6.5	51.8	0.73	5.81
15.0-16.0	237.2	7.0	58.7	0.78	6.59
16.0-17.0	236.1	7.4	66.1	0.83	7.42
17.0-18.0	234.9	7.7	73.8	0.87	8.29
18.0-19.0	233.6	8.1	81.9	0.91	9.20
19.0-20.0	232.3	8.5	90.4	0.95	10.15
20.0-21.0	230.9	8.9	99.3	1.00	11.15
21.0-22.0	229.4	9.2	108.5	1.04	12.18
22.0-23.0	227.9	9.6	118.1	1.07	13.26
23.0-24.0	226.3	9.9	128.0	1.11	14.37
24.0-25.0	224.7	10.2	138.2	1.15	15.52
25.0-26.0	223.0	10.5	148.7	1.18	16.70
26.0-27.0	221.2	10.8	159.5	1.21	17.91
27.0-28.0	219.3	11.1	170.7	1.25	19.16
28.0-29.0	217.4	11.4	182.0	1.28	20.44
29.0-30.0	215.5	11.6	193.7	1.31	21.74
30.0-31.0	213.4	11.9	205.5	1.33	23.08
31.0-32.0	211.3	12.1	217.7	1.36	24.44
32.0-33.0	209.2	12.3	230.0	1.38	25.82
33.0-34.0	207.0	12.5	242.5	1.41	27.23
34.0-35.0	204.7	12.7	255.2	1.43	28.65
35.0-36.0	202.5	12.9	268.1	1.45	30.10

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	200.2	13.1	281.2	1.47	31.57
37.0-38.0	197.7	13.2	294.4	1.48	33.05
38.0-39.0	195.3	13.3	307.7	1.50	34.55
39.0-40.0	192.8	13.4	321.2	1.51	36.06
40.0-41.0	190.3	13.6	334.7	1.52	37.58
41.0-42.0	187.7	13.6	348.3	1.53	39.11
42.0-43.0	185.1	13.7	362.1	1.54	40.65
43.0-44.0	182.4	13.8	375.8	1.55	42.19
44.0-45.0	179.6	13.8	389.6	1.55	43.74
45.0-46.0	176.9	13.8	403.5	1.55	45.30
46.0-47.0	174.1	13.8	417.3	1.55	46.85
47.0-48.0	171.2	13.8	431.1	1.55	48.41
48.0-49.0	168.3	13.8	445.0	1.55	49.96
49.0-50.0	165.4	13.8	458.8	1.55	51.51
50.0-51.0	162.4	13.7	472.5	1.54	53.05
51.0-52.0	159.4	13.7	486.2	1.54	54.58
52.0-53.0	156.3	13.6	499.8	1.53	56.11
53.0-54.0	153.2	13.5	513.3	1.52	57.63
54.0-55.0	150.1	13.4	526.7	1.50	59.13
55.0-56.0	147.0	13.3	540.0	1.49	60.62
56.0-57.0	143.9	13.2	553.1	1.48	62.10
57.0-58.0	140.7	13.0	566.1	1.46	63.56
58.0-59.0	137.5	12.9	579.0	1.44	65.00
59.0-60.0	134.2	12.7	591.7	1.42	66.43
60.0-61.0	131.0	12.5	604.2	1.40	67.83
61.0-62.0	127.8	12.3	616.5	1.38	69.21
62.0-63.0	124.5	12.1	628.6	1.36	70.57
63.0-64.0	121.3	11.9	640.5	1.34	71.91
64.0-65.0	118.0	11.7	652.2	1.31	73.22
65.0-66.0	114.8	11.5	663.7	1.29	74.51
66.0-67.0	111.6	11.2	674.9	1.26	75.77
67.0-68.0	108.4	11.0	685.8	1.23	77.00
68.0-69.0	105.1	10.7	696.6	1.20	78.20
69.0-70.0	101.9	10.5	707.0	1.18	79.38
70.0-71.0	98.8	10.2	717.3	1.15	80.53
71.0-72.0	95.8	10.0	727.2	1.12	81.65

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	92.7	9.7	736.9	1.09	82.73
73.0-74.0	89.7	9.4	746.4	1.06	83.79
74.0-75.0	86.8	9.2	755.5	1.03	84.82
75.0-76.0	84.0	8.9	764.4	1.00	85.82
76.0-77.0	81.1	8.6	773.1	0.97	86.80
77.0-78.0	78.4	8.4	781.5	0.94	87.74
78.0-79.0	75.6	8.1	789.6	0.91	88.65
79.0-80.0	72.8	7.9	797.5	0.88	89.53
80.0-81.0	70.0	7.6	805.0	0.85	90.38
81.0-82.0	67.1	7.3	812.3	0.82	91.20
82.0-83.0	64.2	7.0	819.3	0.78	91.98
83.0-84.0	61.1	6.7	825.9	0.75	92.73
84.0-85.0	57.9	6.3	832.3	0.71	93.44
85.0-86.0	54.6	6.0	838.2	0.67	94.11
86.0-87.0	51.3	5.6	843.8	0.63	94.74
87.0-88.0	48.0	5.3	849.1	0.59	95.33
88.0-89.0	44.7	4.9	854.0	0.55	95.88
89.0-90.0	41.7	4.6	858.6	0.51	96.39
90.0-91.0	38.7	4.2	862.8	0.48	96.87
91.0-92.0	35.2	3.9	866.7	0.43	97.30
92.0-93.0	31.1	3.4	870.1	0.38	97.69
93.0-94.0	26.6	2.9	873.0	0.33	98.01
94.0-95.0	22.0	2.4	875.4	0.27	98.28
95.0-96.0	17.7	1.9	877.3	0.22	98.50
96.0-97.0	13.9	1.5	878.9	0.17	98.67
97.0-98.0	11.0	1.2	880.0	0.13	98.80
98.0-99.0	8.8	1.0	881.0	0.11	98.91
99.0-100.0	7.1	0.8	881.8	0.09	99.00
100.0-101.0	5.5	0.6	882.4	0.07	99.06
101.0-102.0	4.2	0.4	882.8	0.05	99.11
102.0-103.0	3.1	0.3	883.1	0.04	99.15
103.0-104.0	2.2	0.2	883.4	0.03	99.18
104.0-105.0	1.7	0.2	883.6	0.02	99.20
105.0-106.0	1.3	0.1	883.7	0.02	99.21
106.0-107.0	1.2	0.1	883.8	0.01	99.23
107.0-108.0	1.1	0.1	883.9	0.01	99.24

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	1.1	0.1	884.0	0.01	99.25
109.0-110.0	1.1	0.1	884.2	0.01	99.27
110.0-111.0	1.1	0.1	884.3	0.01	99.28
111.0-112.0	1.2	0.1	884.4	0.01	99.29
112.0-113.0	1.2	0.1	884.5	0.01	99.30
113.0-114.0	1.2	0.1	884.6	0.01	99.32
114.0-115.0	1.2	0.1	884.8	0.01	99.33
115.0-116.0	1.2	0.1	884.9	0.01	99.35
116.0-117.0	1.3	0.1	885.0	0.01	99.36
117.0-118.0	1.3	0.1	885.1	0.01	99.37
118.0-119.0	1.3	0.1	885.3	0.01	99.39
119.0-120.0	1.3	0.1	885.4	0.01	99.40
120.0-121.0	1.3	0.1	885.5	0.01	99.42
121.0-122.0	1.4	0.1	885.6	0.01	99.43
122.0-123.0	1.4	0.1	885.8	0.01	99.44
123.0-124.0	1.4	0.1	885.9	0.01	99.46
124.0-125.0	1.4	0.1	886.0	0.01	99.47
125.0-126.0	1.5	0.1	886.2	0.01	99.49
126.0-127.0	1.5	0.1	886.3	0.01	99.50
127.0-128.0	1.5	0.1	886.4	0.01	99.52
128.0-129.0	1.5	0.1	886.5	0.01	99.53
129.0-130.0	1.5	0.1	886.7	0.01	99.55
130.0-131.0	1.5	0.1	886.8	0.01	99.56
131.0-132.0	1.6	0.1	886.9	0.01	99.58
132.0-133.0	1.6	0.1	887.1	0.01	99.59
133.0-134.0	1.6	0.1	887.2	0.01	99.60
134.0-135.0	1.6	0.1	887.3	0.01	99.62
135.0-136.0	1.6	0.1	887.4	0.01	99.63
136.0-137.0	1.7	0.1	887.6	0.01	99.65
137.0-138.0	1.7	0.1	887.7	0.01	99.66
138.0-139.0	1.7	0.1	887.8	0.01	99.67
139.0-140.0	1.7	0.1	887.9	0.01	99.69
140.0-141.0	1.7	0.1	888.0	0.01	99.70
141.0-142.0	1.7	0.1	888.2	0.01	99.71
142.0-143.0	1.8	0.1	888.3	0.01	99.73
143.0-144.0	1.8	0.1	888.4	0.01	99.74

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	1.8	0.1	888.5	0.01	99.75
145.0-146.0	1.8	0.1	888.6	0.01	99.77
146.0-147.0	1.8	0.1	888.7	0.01	99.78
147.0-148.0	1.8	0.1	888.8	0.01	99.79
148.0-149.0	1.8	0.1	888.9	0.01	99.80
149.0-150.0	1.9	0.1	889.0	0.01	99.81
150.0-151.0	1.9	0.1	889.1	0.01	99.82
151.0-152.0	1.9	0.1	889.2	0.01	99.84
152.0-153.0	1.9	0.1	889.3	0.01	99.85
153.0-154.0	1.9	0.1	889.4	0.01	99.86
154.0-155.0	1.9	0.1	889.5	0.01	99.87
155.0-156.0	1.9	0.1	889.6	0.01	99.88
156.0-157.0	1.9	0.1	889.7	0.01	99.89
157.0-158.0	1.9	0.1	889.8	0.01	99.90
158.0-159.0	2.0	0.1	889.9	0.01	99.90
159.0-160.0	2.0	0.1	889.9	0.01	99.91
160.0-161.0	2.0	0.1	890.0	0.01	99.92
161.0-162.0	2.0	0.1	890.1	0.01	99.93
162.0-163.0	2.0	0.1	890.1	0.01	99.94
163.0-164.0	2.0	0.1	890.2	0.01	99.94
164.0-165.0	2.0	0.1	890.3	0.01	99.95
165.0-166.0	2.0	0.1	890.3	0.01	99.96
166.0-167.0	2.0	0.1	890.4	0.01	99.96
167.0-168.0	2.1	0.0	890.4	0.01	99.97
168.0-169.0	2.1	0.0	890.5	0.01	99.97
169.0-170.0	2.1	0.0	890.5	0.00	99.98
170.0-171.0	2.1	0.0	890.5	0.00	99.98
171.0-172.0	2.1	0.0	890.6	0.00	99.99
172.0-173.0	2.1	0.0	890.6	0.00	99.99
173.0-174.0	2.1	0.0	890.6	0.00	99.99
174.0-175.0	2.1	0.0	890.7	0.00	99.99
175.0-176.0	2.1	0.0	890.7	0.00	100.00
176.0-177.0	2.1	0.0	890.7	0.00	100.00
177.0-178.0	2.1	0.0	890.7	0.00	100.00
178.0-179.0	2.2	0.0	890.7	0.00	100.00
179.0-180.0	2.2	0.0	890.7	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: