GENLED Brands
www.genledbrands.com
Tel:+1 212 629 6830
Fax:

Report No.: **Test Time: 2022/6/17 16:05**

Luminaire Property

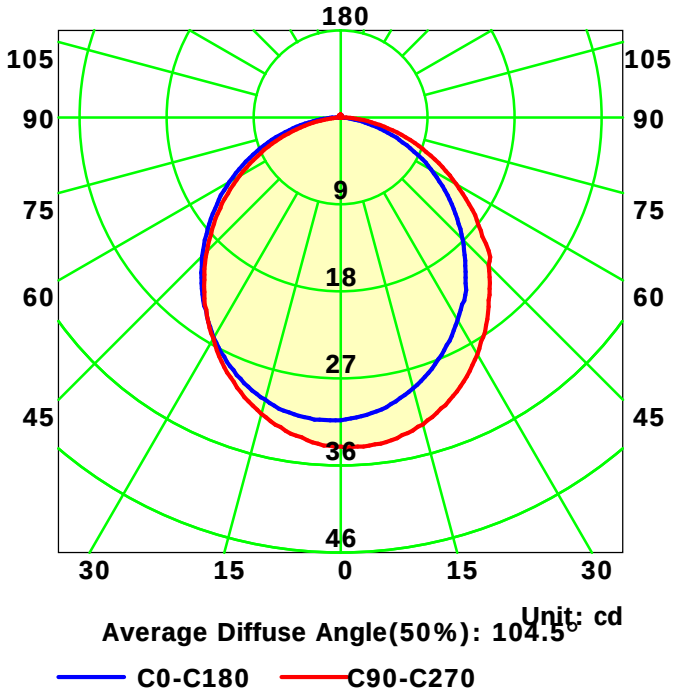
Luminaire Manufacturer:
Luminaire Category: Curved pendants CS80 RGBW D-rows flex 2 ROW
Luminaire Description: Curved pendants CS80 RGBW D-rows flex 2 ROW
Lamp Catalog: RGBW RED **Number of Lamps: 1**
Luminous Length (mm): 300 **Luminous Width (mm): 80**
Luminous Height (mm): 30 **Voltage: 24.0 V**
Current: 0.282 A **Power: 6.77 W**
Power Factor: 1.000

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 90.2 lm**
Measurement Flux: 90.2 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H158.1,H104.5
Vertical Diffuse Angle(10%,50%): V158.4,V104.5
Luminaire Efficacy Rating (LER): 13 **Central Intensity: 32.02 cd**
Max. Intensity: 36.07 cd **Pos of Max. Intensity: H150 V5**

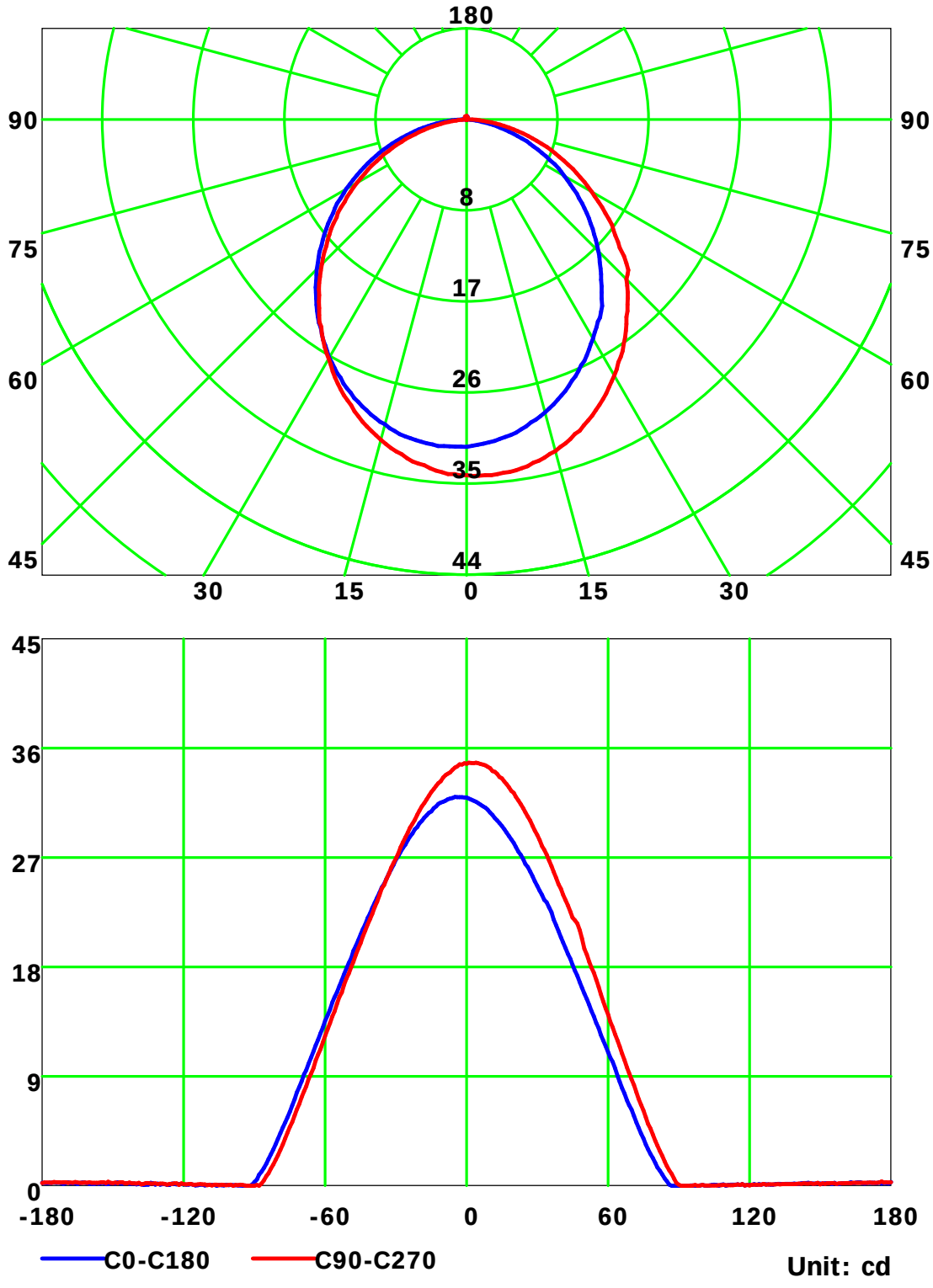
Picture Of Luminaire

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0 **Gamma Plane (°):0.0-180.0:1.0**
Test Lab: **Test Device: GPM-1800B**
Test Type: TYPE C **Distance: 9.028 m**
Temperature: 25 **Humidity: 60%**
Operator: Jacky **Inspector:**

Luminous Intensity Distribution Curve



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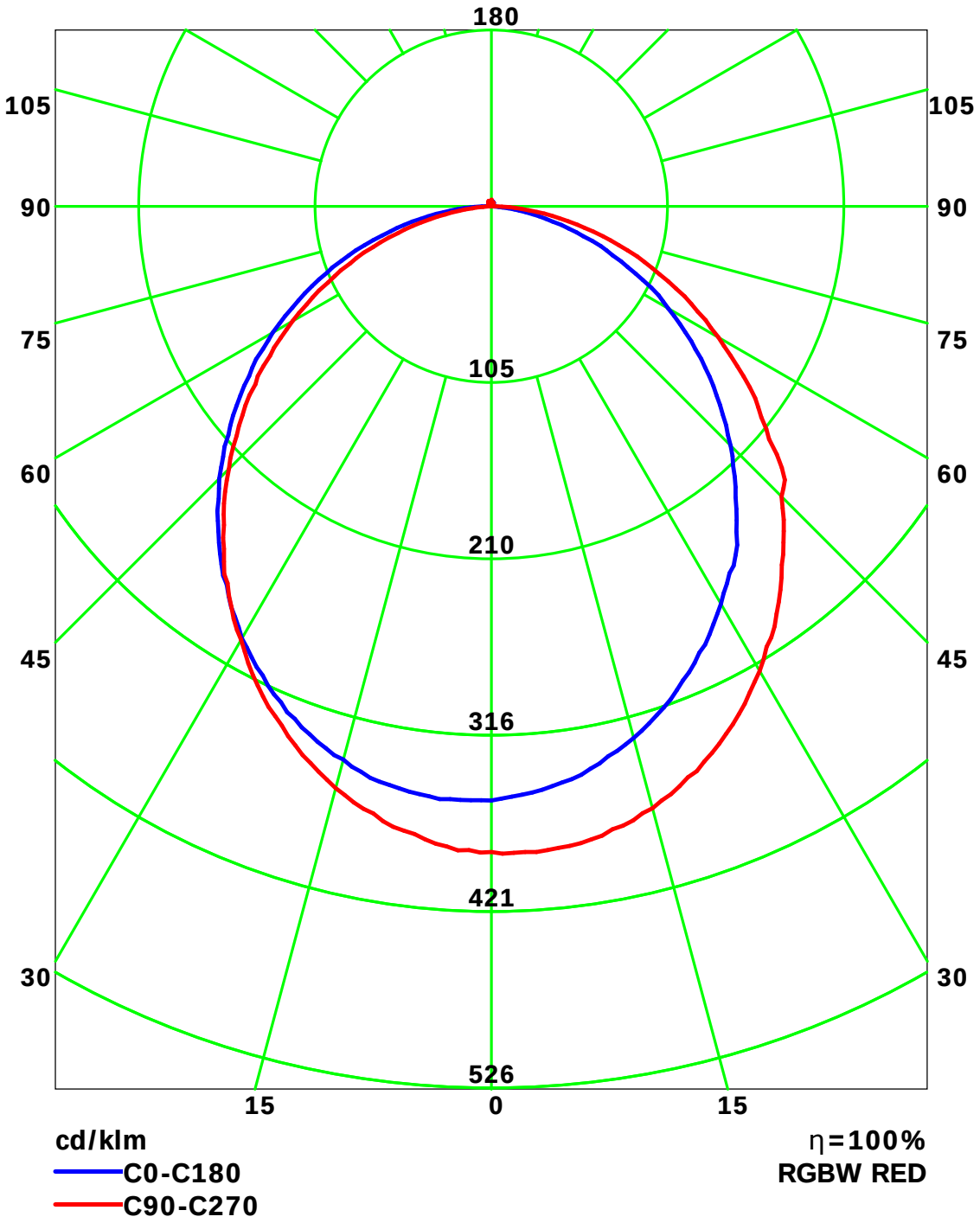
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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
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Gamma Plane (°):0.0-180.0:1.0
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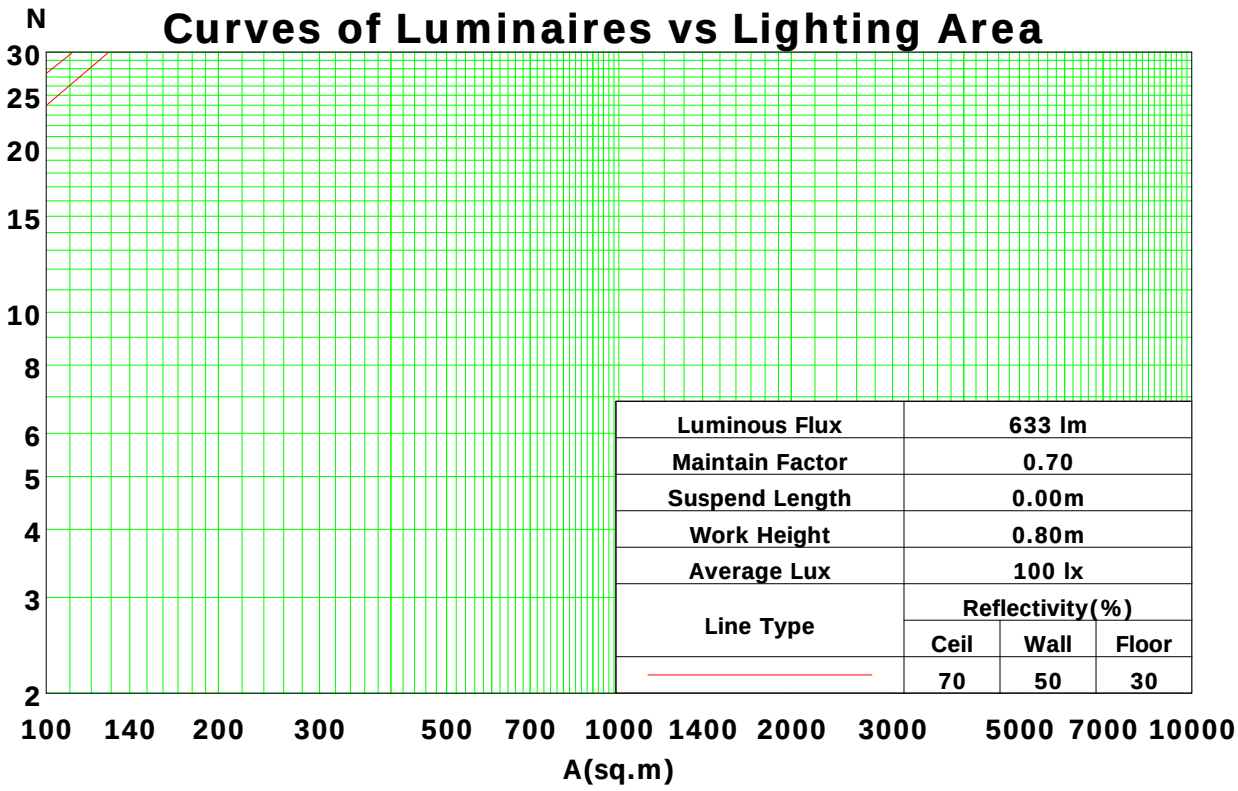
Inspector:

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	89	90	88	86	84
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70
3	91	80	72	66	88	79	71	65	75	69	64	73	67	63	70	65	61	59
4	83	71	63	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

Spacing Criteria (0-180): 1.20
Spacing Criteria (90-270): 1.20
Spacing Criteria (Diagonal): 1.36

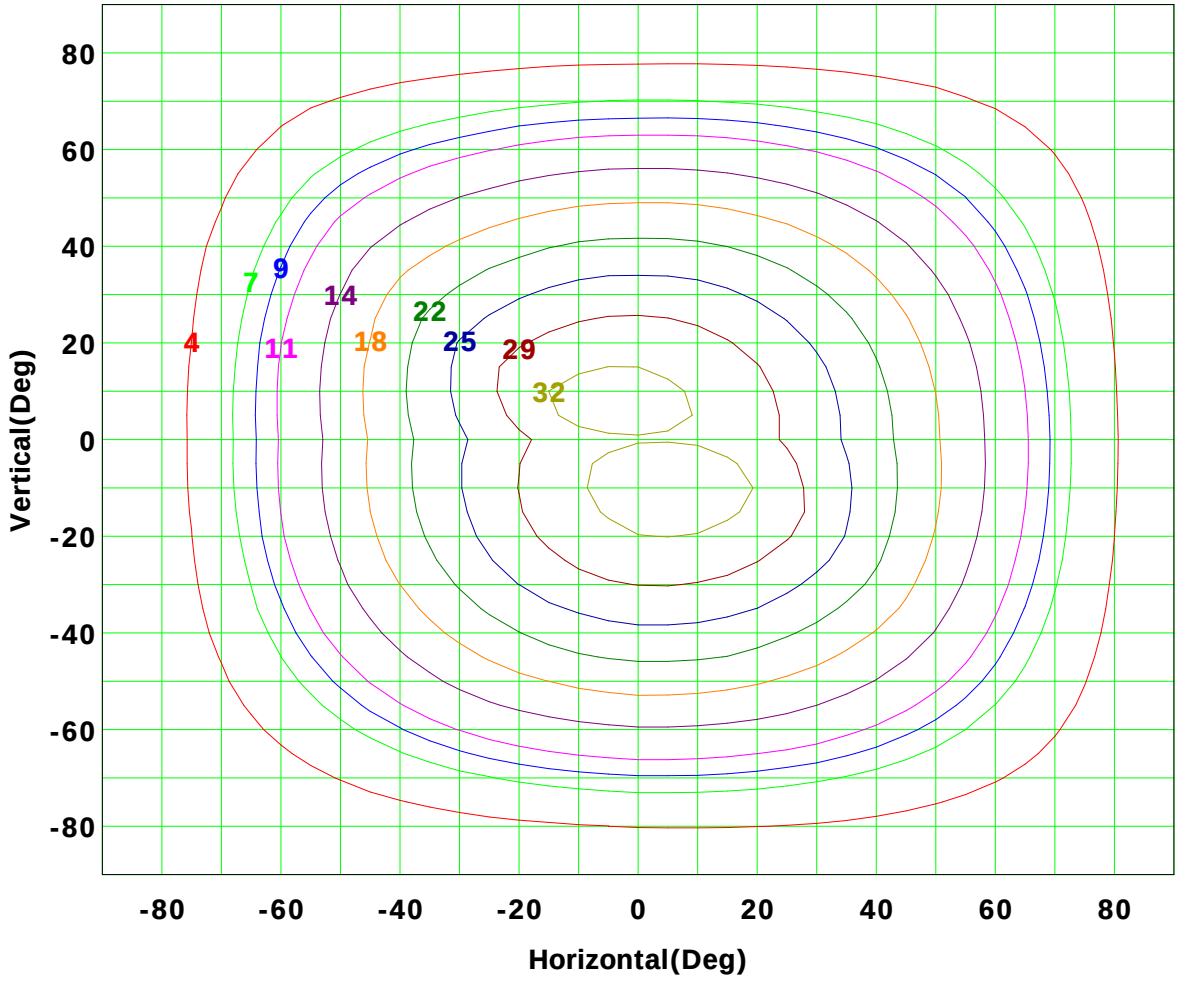
Curves of Luminaires vs Lighting Area



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

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

Isocandela (rectangle)



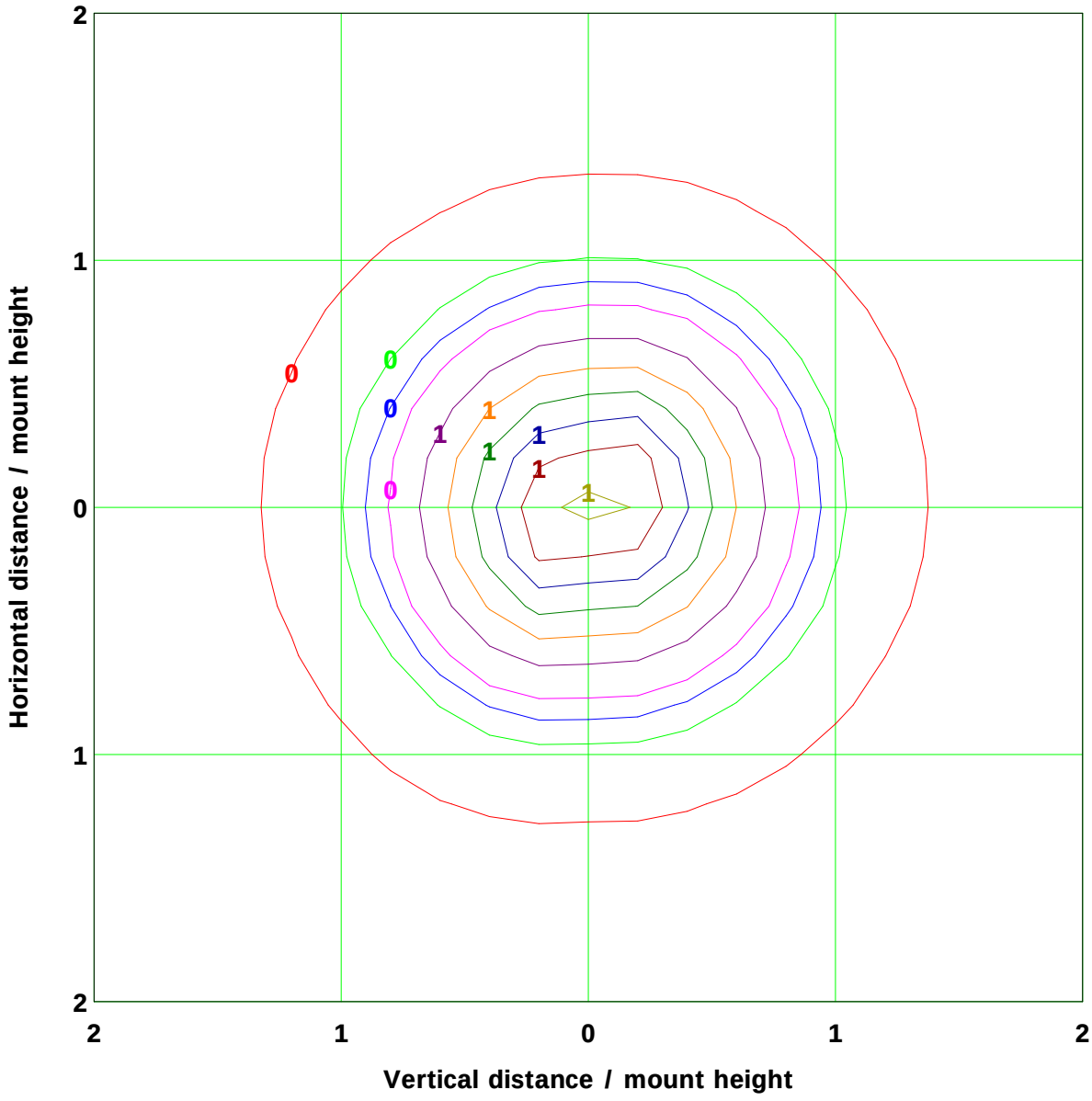
Imax (100%): 36 cd

(10%):	4 cd	(20%):	7 cd
(25%):	9 cd	(30%):	11 cd
(40%):	14 cd	(50%):	18 cd
(60%):	22 cd	(70%):	25 cd
(80%):	29 cd	(90%):	32 cd

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

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%): 1.4 lx

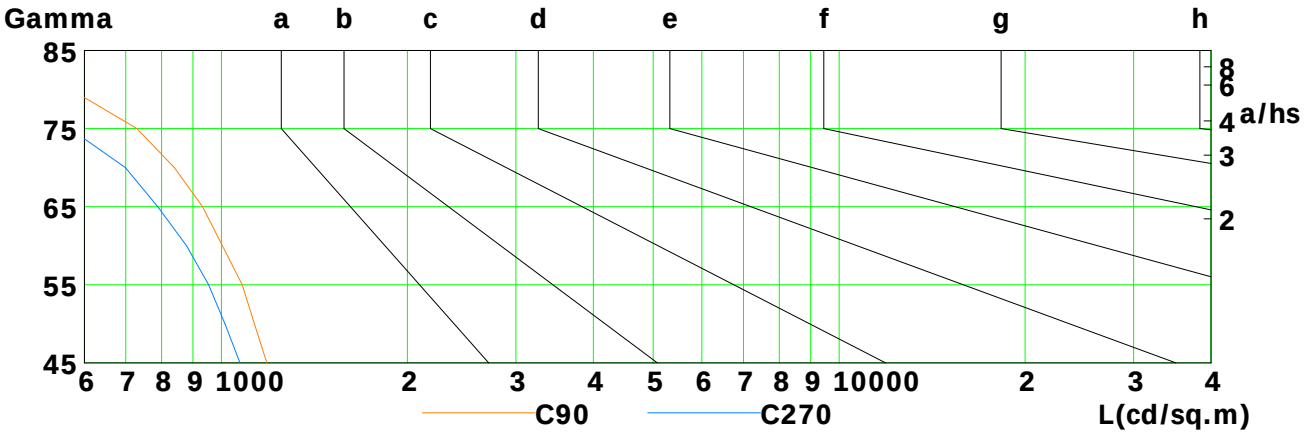
(10%): 0.1 lx	(20%): 0.3 lx
(25%): 0.4 lx	(30%): 0.4 lx
(40%): 0.6 lx	(50%): 0.7 lx
(60%): 0.9 lx	(70%): 1.0 lx
(80%): 1.2 lx	(90%): 1.3 lx

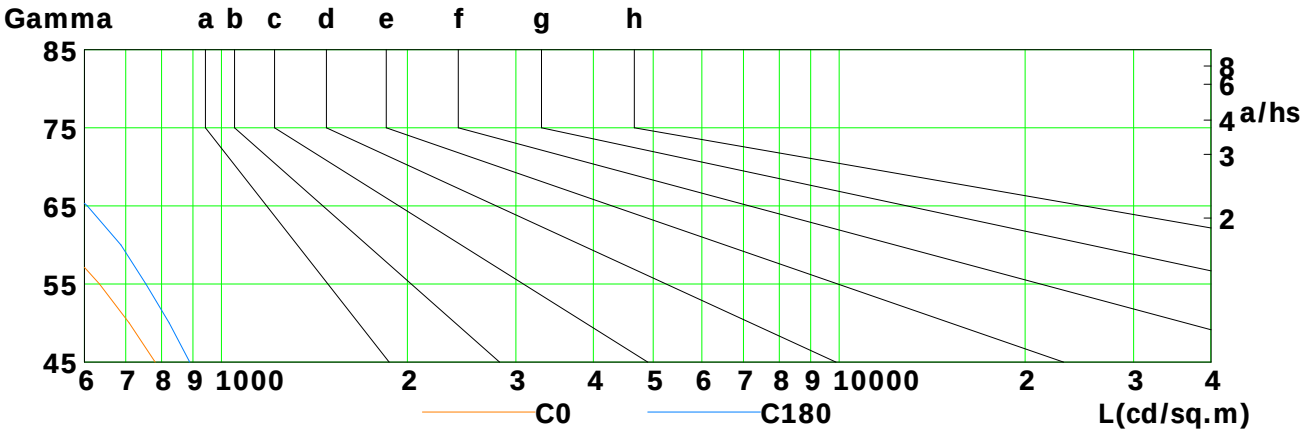
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



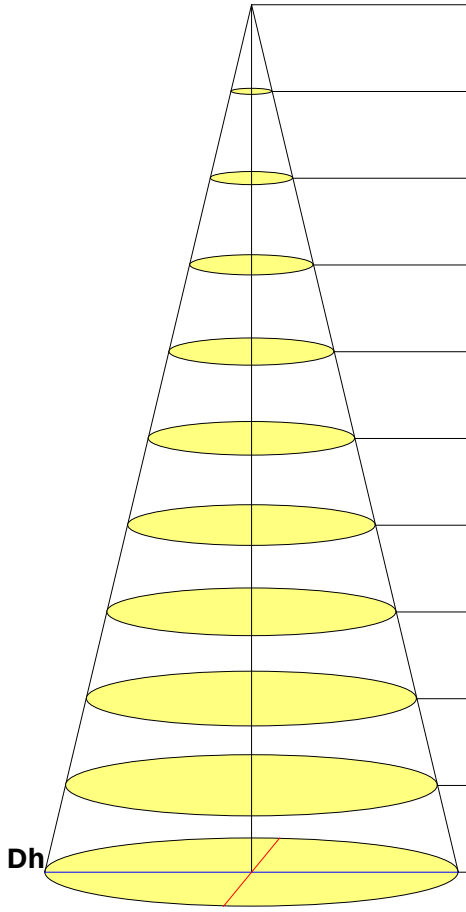


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	781	710	635	557	469	378	262	145	35
C90	1185	1132	1081	1004	933	839	730	571	364
C180	889	823	755	688	607	517	409	297	166
C270	1072	1014	953	879	789	700	569	386	181

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

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

Illuminance at a Distance



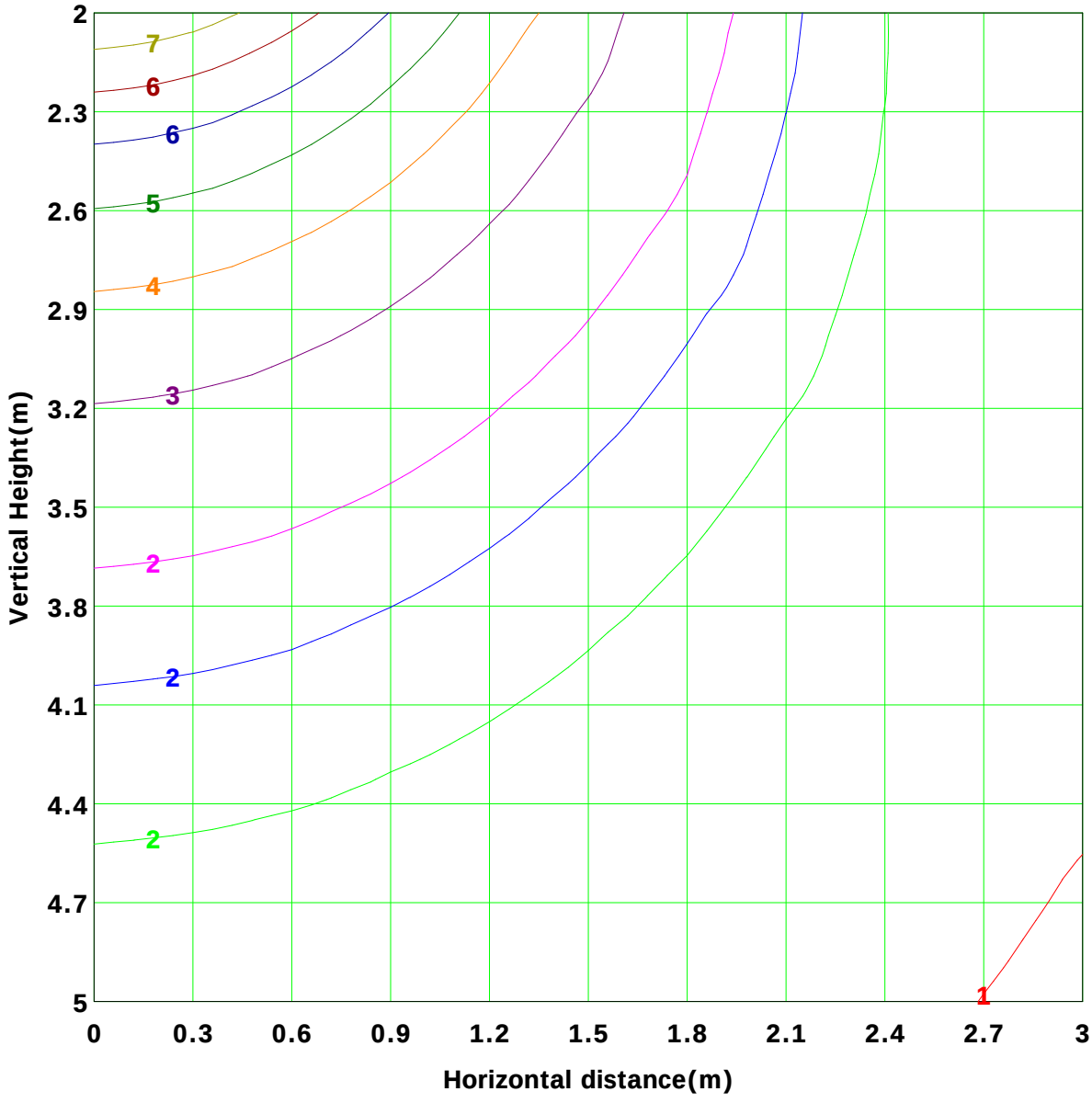
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	32.02	2.58/2.58	5.3	6.62
2.0	8.01	5.17/5.16	21.1	1.65
3.0	3.56	7.75/7.74	47.4	0.74
4.0	2.00	10.33/10.33	84.2	0.41
5.0	1.28	12.91/12.91	131.6	0.26
6.0	0.89	15.50/15.49	189.5	0.18
7.0	0.65	18.08/18.07	257.9	0.14
8.0	0.50	20.66/20.65	336.9	0.10
9.0	0.40	23.25/23.23	426.4	0.08
10.0	0.32	25.83/25.81	526.4	0.07

Beam Angle(B): H104.5 V104.5 Field Angle(F): H158.1 V158.4

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

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: 8.0 lx

(10%):	0.8 lx	(20%):	1.6 lx
(25%):	2.0 lx	(30%):	2.4 lx
(40%):	3.2 lx	(50%):	4.0 lx
(60%):	4.8 lx	(70%):	5.6 lx
(80%):	6.4 lx	(90%):	7.2 lx

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

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

Area Flux Table

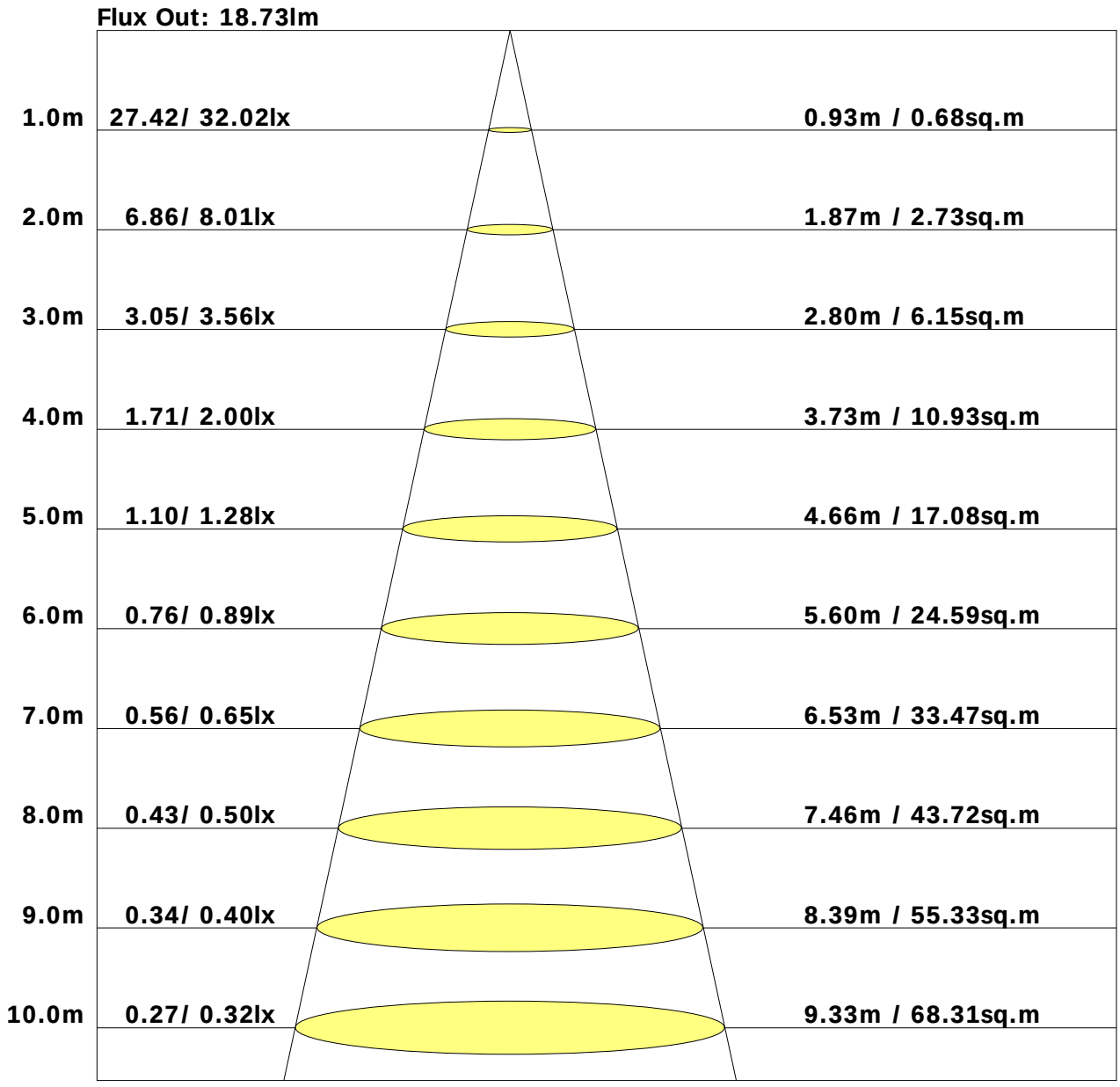
Unit: lm

Vertical plane / Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
-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	0.1	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4
-70	0.0	0.0	0.0	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	0.0	0.0	0.0	1.6	1.5
-60	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	3.0	2.9
-50	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.0	4.9	4.8
-40	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	6.8	6.7
-30	0.0	0.1	0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.0	8.6	8.5
-20	0.0	0.1	0.1	0.3	0.5	0.6	0.8	0.9	1.0	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.1	10.0	9.9
-10	0.0	0.1	0.1	0.3	0.5	0.7	0.8	0.9	1.0	1.1	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.3	0.1	10.7	10.6
0	0.0	0.1	0.1	0.3	0.5	0.7	0.8	0.9	1.0	1.0	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.3	0.1	10.6	10.5
10	0.0	0.1	0.1	0.3	0.5	0.6	0.8	0.8	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.0	9.7	9.6
20	0.0	0.0	0.1	0.3	0.4	0.5	0.6	0.7	0.8	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	8.1	8.0
30	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	0.1	0.0	6.3	6.2
40	0.0	0.0	0.0	0.2	0.3	0.3	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	4.3	4.2
50	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.6	2.5
60	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.2	1.1
70	0.0	0.0	0.0	0.0	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	0.3	0.2
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	0.4	0.0
Flux(T)	0.1	0.5	1.6	3.0	4.9	6.8	8.6	10.0	10.7	10.6	9.7	8.1	6.3	4.3	2.6	1.2	0.3	0.0	89		
Flux(E)	0.0	0.4	1.5	2.9	4.8	6.7	8.5	9.9	10.6	10.5	9.6	8.0	6.2	4.2	2.5	1.1	0.2	0.0	0.0	88	

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

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

The Average Illuminance Effective Figure



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Temperature: 25
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
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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	19.2	20.8	19.6	21.1	21.4	19.6	21.2	20.0	21.5	21.8
3H	20.6	22.0	21.0	22.3	22.7	21.1	22.5	21.5	22.9	23.2
4H	21.0	22.3	21.4	22.7	23.1	21.6	22.9	22.0	23.3	23.7
6H	21.2	22.4	21.6	22.8	23.2	21.9	23.1	22.3	23.5	23.9
8H	21.2	22.4	21.6	22.8	23.2	22.0	23.2	22.4	23.6	24.0
12H	21.2	22.3	21.6	22.7	23.2	22.0	23.1	22.4	23.5	24.0
X=4H Y=2H	19.7	21.0	20.1	21.4	21.8	20.1	21.5	20.5	21.8	22.2
3H	21.3	22.4	21.7	22.8	23.2	21.8	23.0	22.2	23.4	23.8
4H	21.8	22.8	22.2	23.2	23.7	22.4	23.4	22.9	23.9	24.3
6H	22.1	23.0	22.5	23.4	23.9	22.8	23.7	23.3	24.2	24.7
8H	22.1	22.9	22.6	23.4	23.9	22.9	23.8	23.4	24.2	24.7
12H	22.1	22.8	22.6	23.3	23.8	23.0	23.7	23.5	24.2	24.7
X=8H Y=4H	22.0	22.8	22.4	23.2	23.7	22.6	23.5	23.1	23.9	24.4
6H	22.3	23.0	22.8	23.5	24.0	23.1	23.8	23.6	24.3	24.8
8H	22.4	23.0	22.9	23.5	24.0	23.3	23.9	23.8	24.4	24.9
12H	22.4	22.9	22.9	23.4	24.0	23.4	23.9	23.9	24.4	25.0
X=12H Y=4H	22.0	22.7	22.4	23.2	23.7	22.6	23.4	23.1	23.9	24.4
6H	22.3	22.9	22.8	23.4	24.0	23.1	23.8	23.7	24.2	24.8
8H	22.4	22.9	22.9	23.4	24.0	23.3	23.9	23.8	24.4	25.0

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
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Operator: Jacky

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 = 1.25					
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	0.58	0.68	0.75	0.81	0.88	0.93	0.96	1.01	1.04
	0.30		0.50	0.61	0.68	0.74	0.82	0.87	0.91	0.97	1.00
	0.20		0.45	0.55	0.63	0.68	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.85	0.89	0.92	0.97	0.99
	0.30		0.49	0.59	0.67	0.72	0.79	0.85	0.88	0.93	0.96
	0.20		0.44	0.54	0.62	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.55	0.64	0.71	0.75	0.82	0.86	0.89	0.93	0.95
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.44	0.54	0.61	0.66	0.74	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.42	0.51	0.58	0.63	0.70	0.75	0.78	0.83	0.86

Rating:7W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

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

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25								
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	0.98	0.80	0.68	0.59	0.47	0.39	0.33	0.26	0.21
	0.30		0.81	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19
0.50	0.50	0.20	0.94	0.77	0.65	0.57	0.45	0.41	0.32	0.25	0.20
	0.30		0.80	0.67	0.58	0.51	0.41	0.35	0.30	0.23	0.19
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18
0.30	0.50	0.20	0.91	0.74	0.63	0.54	0.43	0.36	0.30	0.23	0.19
	0.30		0.78	0.65	0.56	0.49	0.40	0.33	0.29	0.22	0.18
	0.20		0.68	0.58	0.51	0.45	0.37	0.31	0.27	0.21	0.18
0.00	0.00	0.00	0.58	0.48	0.41	0.36	0.29	0.24	0.21	0.16	0.13

Rating:7W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

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

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25								
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	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.15	0.17	0.17	0.19	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.21
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Rating:7W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

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

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	34.3	0.0	0.0	0.04	0.04
1.0-2.0	34.2	0.1	0.1	0.11	0.15
2.0-3.0	34.2	0.2	0.3	0.18	0.33
3.0-4.0	34.2	0.2	0.5	0.25	0.58
4.0-5.0	34.1	0.3	0.8	0.33	0.91
5.0-6.0	34.0	0.4	1.2	0.40	1.30
6.0-7.0	33.9	0.4	1.6	0.47	1.77
7.0-8.0	33.8	0.5	2.1	0.54	2.31
8.0-9.0	33.7	0.5	2.6	0.61	2.91
9.0-10.0	33.5	0.6	3.2	0.67	3.58
10.0-11.0	33.4	0.7	3.9	0.74	4.32
11.0-12.0	33.2	0.7	4.6	0.80	5.13
12.0-13.0	33.0	0.8	5.4	0.87	6.00
13.0-14.0	32.8	0.8	6.2	0.93	6.93
14.0-15.0	32.6	0.9	7.1	0.99	7.92
15.0-16.0	32.3	0.9	8.1	1.05	8.97
16.0-17.0	32.1	1.0	9.1	1.11	10.08
17.0-18.0	31.8	1.0	10.1	1.16	11.24
18.0-19.0	31.5	1.1	11.2	1.22	12.46
19.0-20.0	31.3	1.1	12.4	1.27	13.73
20.0-21.0	31.0	1.2	13.6	1.32	15.05
21.0-22.0	30.6	1.2	14.8	1.37	16.41
22.0-23.0	30.3	1.3	16.1	1.41	17.82
23.0-24.0	30.0	1.3	17.4	1.45	19.28
24.0-25.0	29.7	1.3	18.7	1.50	20.77
25.0-26.0	29.3	1.4	20.1	1.53	22.31
26.0-27.0	28.9	1.4	21.5	1.57	23.88
27.0-28.0	28.6	1.4	23.0	1.60	25.48
28.0-29.0	28.2	1.5	24.5	1.63	27.11
29.0-30.0	27.8	1.5	26.0	1.66	28.78
30.0-31.0	27.4	1.5	27.5	1.69	30.47
31.0-32.0	27.0	1.5	29.0	1.71	32.18
32.0-33.0	26.5	1.6	30.6	1.73	33.92
33.0-34.0	26.1	1.6	32.2	1.75	35.67
34.0-35.0	25.7	1.6	33.8	1.77	37.44
35.0-36.0	25.2	1.6	35.4	1.78	39.22

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

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

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	24.8	1.6	37.0	1.79	41.01
37.0-38.0	24.3	1.6	38.6	1.80	42.81
38.0-39.0	23.8	1.6	40.2	1.80	44.62
39.0-40.0	23.4	1.6	41.9	1.81	46.43
40.0-41.0	22.9	1.6	43.5	1.81	48.24
41.0-42.0	22.4	1.6	45.1	1.81	50.04
42.0-43.0	22.0	1.6	46.8	1.80	51.85
43.0-44.0	21.5	1.6	48.4	1.80	53.65
44.0-45.0	21.0	1.6	50.0	1.79	55.43
45.0-46.0	20.5	1.6	51.6	1.78	57.21
46.0-47.0	20.0	1.6	53.2	1.77	58.98
47.0-48.0	19.5	1.6	54.8	1.75	60.73
48.0-49.0	19.0	1.6	56.3	1.73	62.47
49.0-50.0	18.5	1.5	57.9	1.71	64.18
50.0-51.0	18.0	1.5	59.4	1.69	65.87
51.0-52.0	17.5	1.5	60.9	1.67	67.53
52.0-53.0	17.0	1.5	62.4	1.64	69.17
53.0-54.0	16.5	1.5	63.8	1.61	70.79
54.0-55.0	16.0	1.4	65.3	1.58	72.37
55.0-56.0	15.4	1.4	66.7	1.55	73.92
56.0-57.0	14.9	1.4	68.0	1.51	75.43
57.0-58.0	14.4	1.3	69.4	1.48	76.91
58.0-59.0	13.9	1.3	70.7	1.44	78.34
59.0-60.0	13.3	1.3	71.9	1.40	79.74
60.0-61.0	12.8	1.2	73.1	1.36	81.10
61.0-62.0	12.3	1.2	74.3	1.31	82.41
62.0-63.0	11.8	1.1	75.5	1.27	83.68
63.0-64.0	11.2	1.1	76.6	1.22	84.91
64.0-65.0	10.7	1.1	77.6	1.18	86.08
65.0-66.0	10.2	1.0	78.7	1.13	87.21
66.0-67.0	9.7	1.0	79.6	1.08	88.29
67.0-68.0	9.2	0.9	80.6	1.03	89.32
68.0-69.0	8.7	0.9	81.4	0.98	90.30
69.0-70.0	8.1	0.8	82.3	0.93	91.23
70.0-71.0	7.6	0.8	83.1	0.87	92.11
71.0-72.0	7.1	0.7	83.8	0.82	92.93

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

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

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	6.6	0.7	84.5	0.77	93.69
73.0-74.0	6.1	0.6	85.1	0.71	94.41
74.0-75.0	5.6	0.6	85.7	0.66	95.07
75.0-76.0	5.1	0.5	86.3	0.60	95.67
76.0-77.0	4.6	0.5	86.8	0.55	96.22
77.0-78.0	4.2	0.4	87.2	0.50	96.72
78.0-79.0	3.7	0.4	87.6	0.45	97.16
79.0-80.0	3.3	0.4	88.0	0.39	97.56
80.0-81.0	2.9	0.3	88.3	0.34	97.90
81.0-82.0	2.5	0.3	88.6	0.29	98.20
82.0-83.0	2.1	0.2	88.8	0.25	98.44
83.0-84.0	1.7	0.2	89.0	0.20	98.65
84.0-85.0	1.3	0.1	89.1	0.16	98.81
85.0-86.0	1.0	0.1	89.2	0.12	98.93
86.0-87.0	0.7	0.1	89.3	0.08	99.01
87.0-88.0	0.4	0.0	89.3	0.05	99.06
88.0-89.0	0.2	0.0	89.4	0.03	99.09
89.0-90.0	0.1	0.0	89.4	0.01	99.11
90.0-91.0	0.0	0.0	89.4	0.01	99.11
91.0-92.0	0.0	0.0	89.4	0.00	99.12
92.0-93.0	0.0	0.0	89.4	0.00	99.12
93.0-94.0	0.0	0.0	89.4	0.00	99.13
94.0-95.0	0.0	0.0	89.4	0.00	99.13
95.0-96.0	0.0	0.0	89.4	0.00	99.13
96.0-97.0	0.0	0.0	89.4	0.01	99.14
97.0-98.0	0.0	0.0	89.4	0.01	99.15
98.0-99.0	0.0	0.0	89.4	0.00	99.15
99.0-100.0	0.0	0.0	89.4	0.01	99.16
100.0-101.0	0.1	0.0	89.4	0.01	99.16
101.0-102.0	0.1	0.0	89.4	0.01	99.17
102.0-103.0	0.1	0.0	89.4	0.01	99.18
103.0-104.0	0.1	0.0	89.4	0.01	99.18
104.0-105.0	0.1	0.0	89.5	0.01	99.19
105.0-106.0	0.1	0.0	89.5	0.01	99.20
106.0-107.0	0.1	0.0	89.5	0.01	99.21
107.0-108.0	0.1	0.0	89.5	0.01	99.22

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

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

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.1	0.0	89.5	0.01	99.23
109.0-110.0	0.1	0.0	89.5	0.01	99.23
110.0-111.0	0.1	0.0	89.5	0.01	99.24
111.0-112.0	0.1	0.0	89.5	0.01	99.26
112.0-113.0	0.1	0.0	89.5	0.01	99.27
113.0-114.0	0.1	0.0	89.5	0.01	99.28
114.0-115.0	0.1	0.0	89.5	0.01	99.29
115.0-116.0	0.1	0.0	89.6	0.01	99.30
116.0-117.0	0.1	0.0	89.6	0.01	99.31
117.0-118.0	0.1	0.0	89.6	0.01	99.32
118.0-119.0	0.1	0.0	89.6	0.01	99.34
119.0-120.0	0.1	0.0	89.6	0.01	99.35
120.0-121.0	0.1	0.0	89.6	0.01	99.36
121.0-122.0	0.1	0.0	89.6	0.01	99.37
122.0-123.0	0.1	0.0	89.6	0.01	99.39
123.0-124.0	0.1	0.0	89.6	0.01	99.40
124.0-125.0	0.1	0.0	89.7	0.01	99.41
125.0-126.0	0.1	0.0	89.7	0.01	99.43
126.0-127.0	0.1	0.0	89.7	0.01	99.44
127.0-128.0	0.1	0.0	89.7	0.01	99.45
128.0-129.0	0.1	0.0	89.7	0.01	99.47
129.0-130.0	0.1	0.0	89.7	0.01	99.48
130.0-131.0	0.1	0.0	89.7	0.01	99.50
131.0-132.0	0.2	0.0	89.7	0.01	99.51
132.0-133.0	0.2	0.0	89.8	0.02	99.53
133.0-134.0	0.2	0.0	89.8	0.02	99.54
134.0-135.0	0.2	0.0	89.8	0.02	99.56
135.0-136.0	0.2	0.0	89.8	0.02	99.57
136.0-137.0	0.2	0.0	89.8	0.01	99.59
137.0-138.0	0.2	0.0	89.8	0.01	99.60
138.0-139.0	0.2	0.0	89.8	0.01	99.61
139.0-140.0	0.2	0.0	89.8	0.01	99.63
140.0-141.0	0.2	0.0	89.9	0.02	99.64
141.0-142.0	0.2	0.0	89.9	0.02	99.66
142.0-143.0	0.2	0.0	89.9	0.02	99.68
143.0-144.0	0.2	0.0	89.9	0.01	99.69

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

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

Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.2	0.0	89.9	0.01	99.70
145.0-146.0	0.2	0.0	89.9	0.01	99.72
146.0-147.0	0.2	0.0	89.9	0.01	99.73
147.0-148.0	0.2	0.0	90.0	0.01	99.75
148.0-149.0	0.2	0.0	90.0	0.01	99.76
149.0-150.0	0.2	0.0	90.0	0.01	99.78
150.0-151.0	0.2	0.0	90.0	0.01	99.79
151.0-152.0	0.2	0.0	90.0	0.01	99.80
152.0-153.0	0.2	0.0	90.0	0.01	99.81
153.0-154.0	0.2	0.0	90.0	0.01	99.83
154.0-155.0	0.2	0.0	90.0	0.01	99.84
155.0-156.0	0.2	0.0	90.0	0.01	99.85
156.0-157.0	0.2	0.0	90.1	0.01	99.86
157.0-158.0	0.2	0.0	90.1	0.01	99.87
158.0-159.0	0.2	0.0	90.1	0.01	99.88
159.0-160.0	0.2	0.0	90.1	0.01	99.89
160.0-161.0	0.2	0.0	90.1	0.01	99.90
161.0-162.0	0.2	0.0	90.1	0.01	99.91
162.0-163.0	0.3	0.0	90.1	0.01	99.92
163.0-164.0	0.3	0.0	90.1	0.01	99.93
164.0-165.0	0.2	0.0	90.1	0.01	99.94
165.0-166.0	0.3	0.0	90.1	0.01	99.94
166.0-167.0	0.3	0.0	90.1	0.01	99.95
167.0-168.0	0.3	0.0	90.1	0.01	99.96
168.0-169.0	0.3	0.0	90.2	0.01	99.97
169.0-170.0	0.3	0.0	90.2	0.01	99.97
170.0-171.0	0.3	0.0	90.2	0.01	99.98
171.0-172.0	0.3	0.0	90.2	0.00	99.98
172.0-173.0	0.3	0.0	90.2	0.00	99.99
173.0-174.0	0.3	0.0	90.2	0.00	99.99
174.0-175.0	0.3	0.0	90.2	0.00	99.99
175.0-176.0	0.3	0.0	90.2	0.00	100.00
176.0-177.0	0.3	0.0	90.2	0.00	100.00
177.0-178.0	0.3	0.0	90.2	0.00	100.00
178.0-179.0	0.3	0.0	90.2	0.00	100.00
179.0-180.0	0.3	0.0	90.2	0.00	100.00

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

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