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

Report No.: 20231011 **Test Time: 2023/10/13 14:46**

Luminaire Property

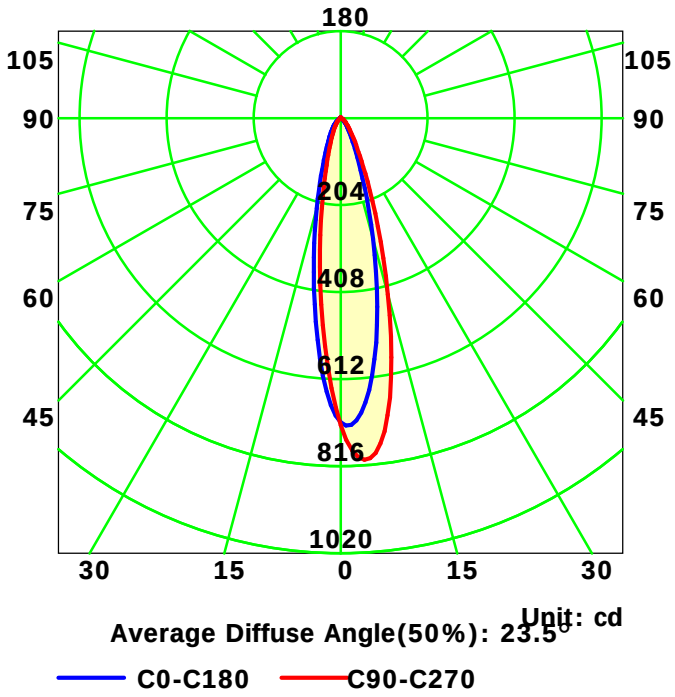
Luminaire Manufacturer: Acolyte
Luminaire Category: Nano Pivot
Luminaire Description: Nano pivot RGBW 9.75 4000K - Red only
Lamp Catalog: Optic BA 25 degree **Luminous Length (mm): 1000**
Luminous Width (mm): 28 **Luminous Height (mm): 36**
Voltage: 24.0 V **Current: 0.382 A**
Power: 9.17 W **Power Factor: 1.000**

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 228.6 lm**
Measurement Flux: 228.6 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H52.6,H23.6
Vertical Diffuse Angle(10%,50%): V50.3,V23.5
Luminaire Efficacy Rating (LER): 25 **Central Intensity: 713.15 cd**
Max. Intensity: 806.4 cd **Pos of Max. Intensity: H150 V3**

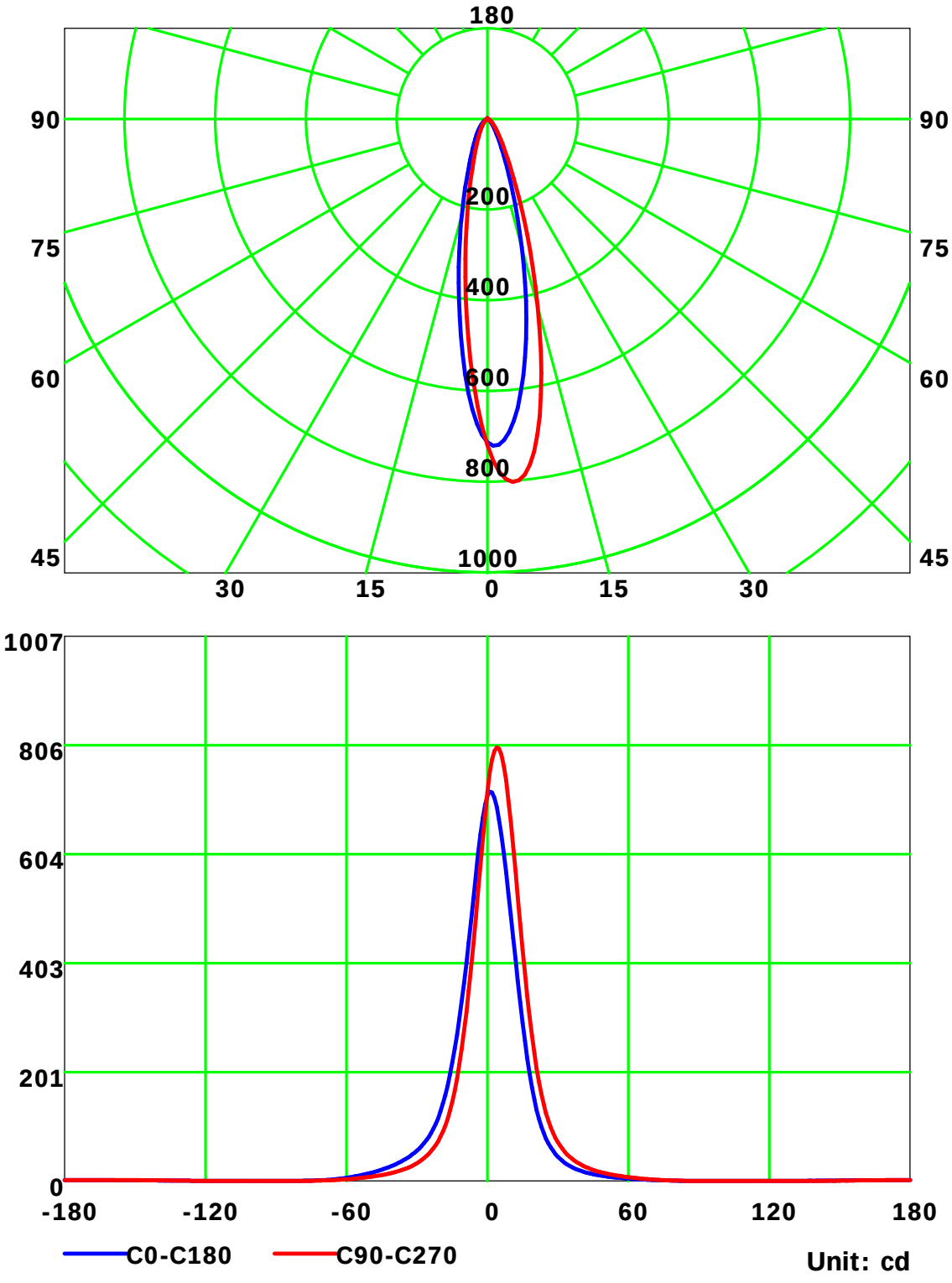
Picture Of Luminaire

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 Lab:
Test Type: TYPE C
Temperature: 25
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Gamma Plane (°):0.0-180.0:1.0
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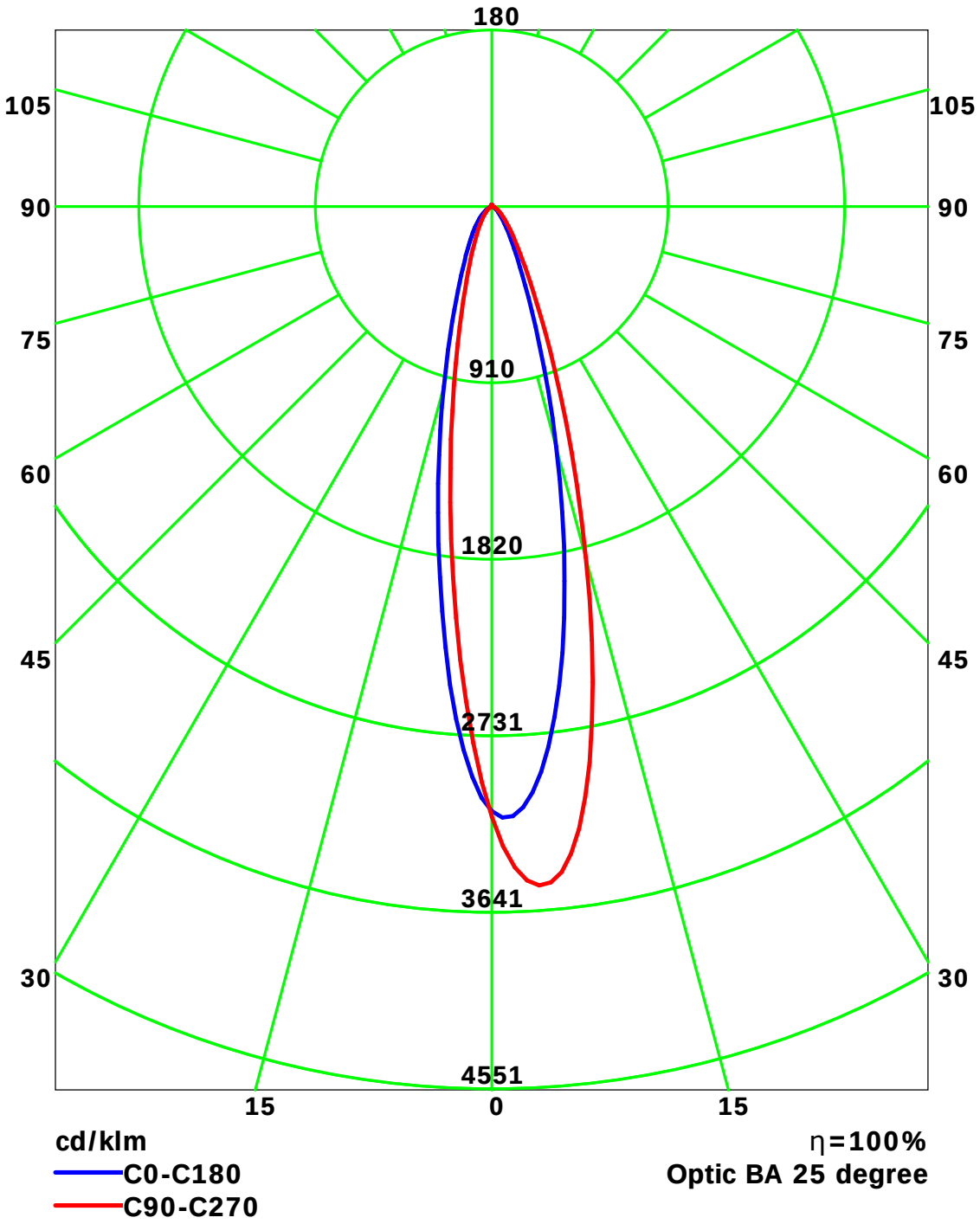
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
Test Lab:
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Gamma Plane (°):0.0-180.0:1.0
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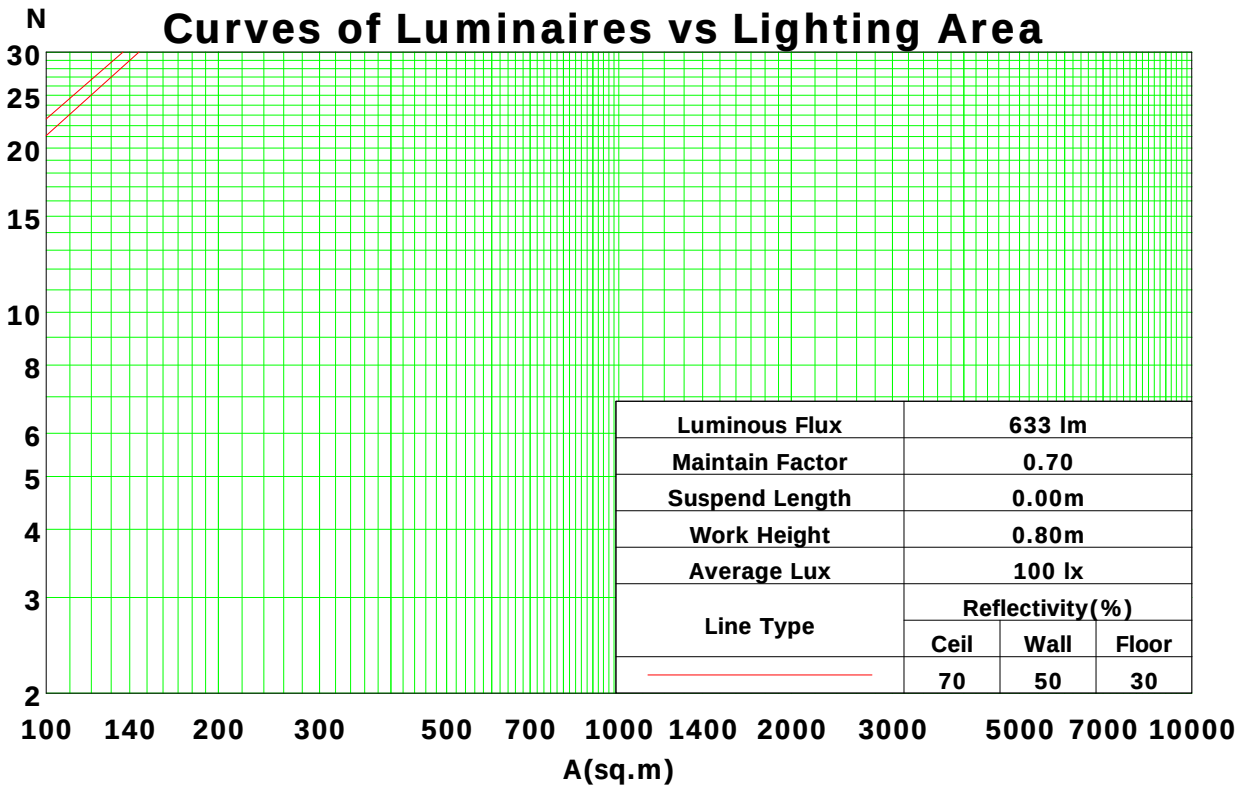
Distance: 9.028 m
Humidity: 60%
Inspector:

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	110	110	110	104	104	104	99	99	99	97
1	113	110	108	106	110	108	106	104	103	102	100	99	98	97	95	94	93	91
2	108	103	99	96	105	101	98	95	97	95	92	94	92	90	91	89	88	86
3	103	97	92	88	101	95	91	88	92	89	86	89	87	84	87	85	82	81
4	98	91	86	82	96	90	85	82	88	84	80	85	82	79	83	80	78	76
5	94	87	81	77	92	85	80	77	83	79	76	81	78	75	80	77	74	73
6	90	82	77	73	89	81	76	73	80	75	72	78	74	71	77	73	71	69
7	87	78	73	69	85	78	73	69	76	72	68	75	71	68	74	70	67	66
8	83	75	70	66	82	74	69	66	73	69	65	72	68	65	71	67	65	63
9	80	72	67	63	79	71	66	63	70	66	63	69	65	62	68	65	62	61
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	66	62	60	59

Spacing Criteria (0-180): 0.40
Spacing Criteria (90-270): 0.43
Spacing Criteria (Diagonal): 0.45

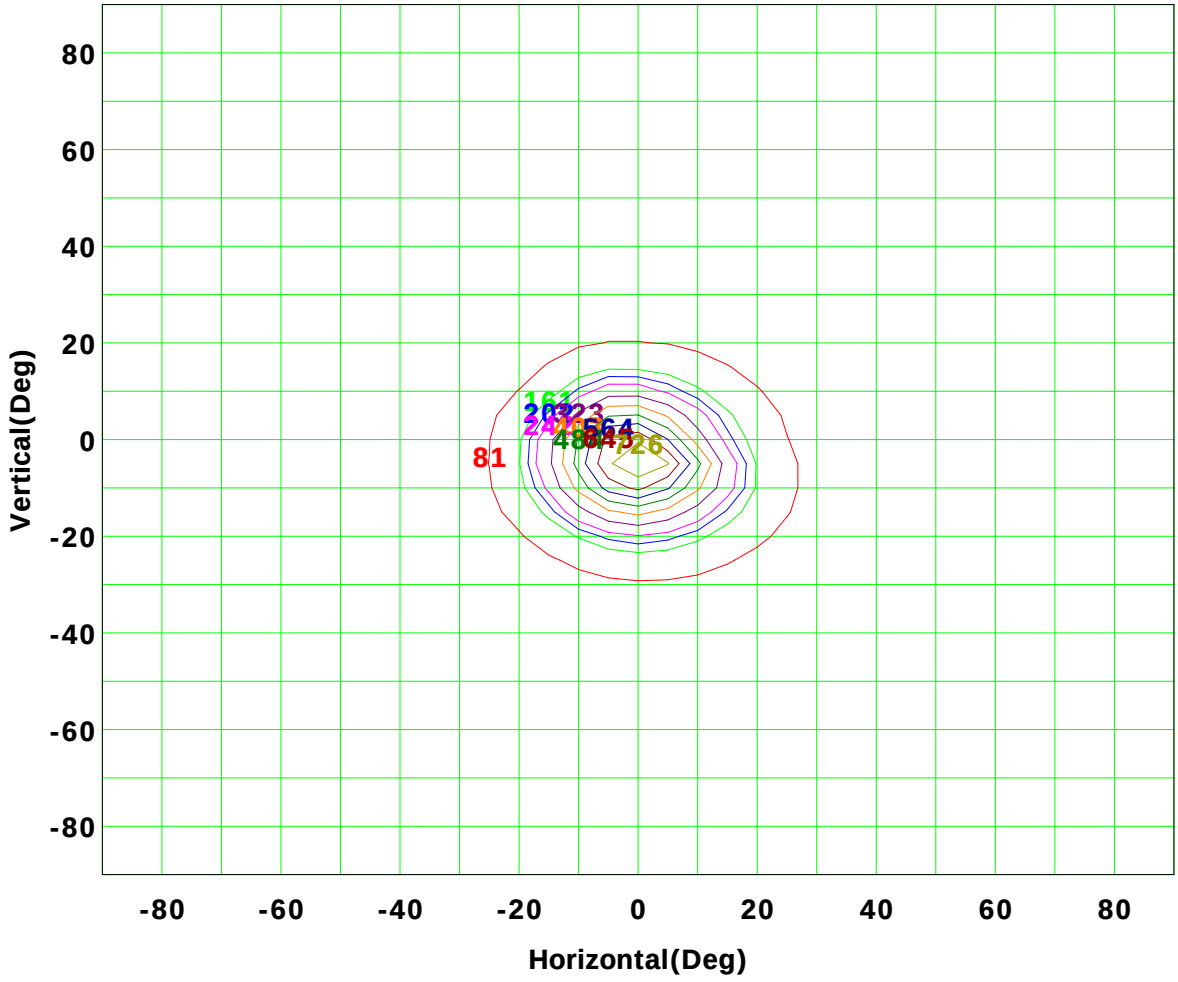
Curves of Luminaires vs Lighting Area



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)



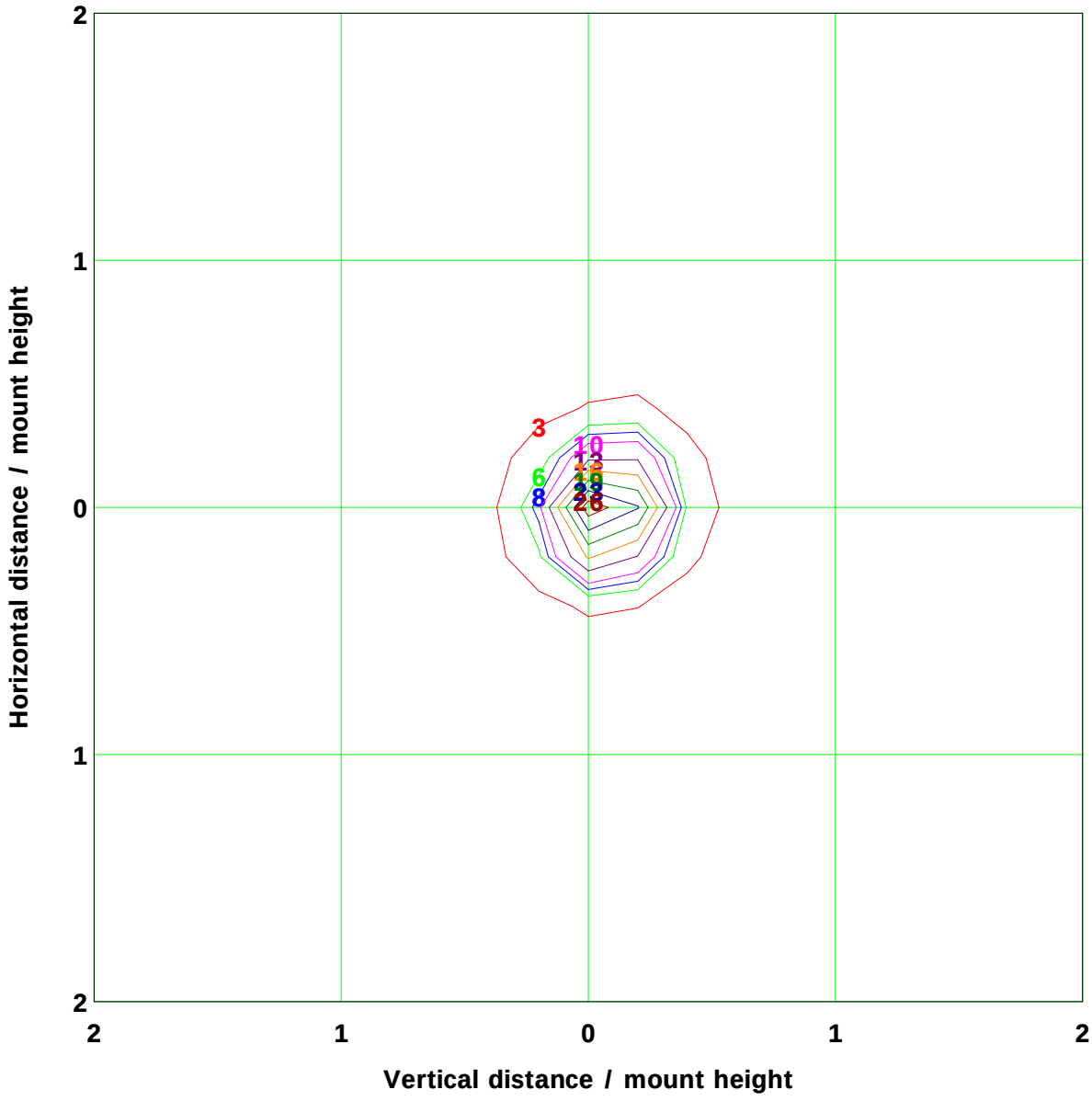
Imax (100%): 806 cd

(10%): 81 cd	(20%): 161 cd
(25%): 202 cd	(30%): 242 cd
(40%): 323 cd	(50%): 403 cd
(60%): 484 cd	(70%): 564 cd
(80%): 645 cd	(90%): 726 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%): 32.2 lx

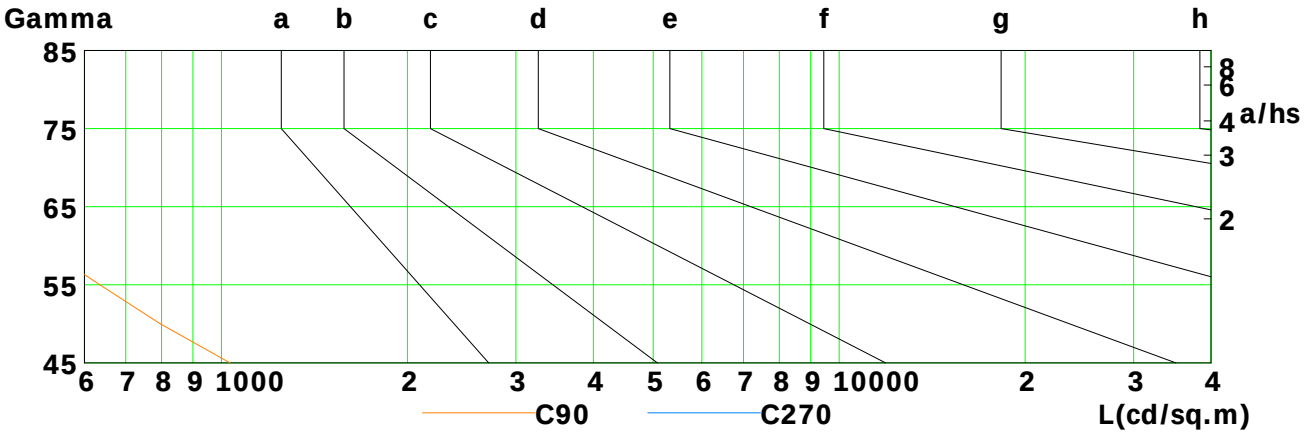
(10%): 3.2 lx	(20%): 6.4 lx
(25%): 8.0 lx	(30%): 9.7 lx
(40%): 12.9 lx	(50%): 16.1 lx
(60%): 19.3 lx	(70%): 22.5 lx
(80%): 25.7 lx	(90%): 29.0 lx

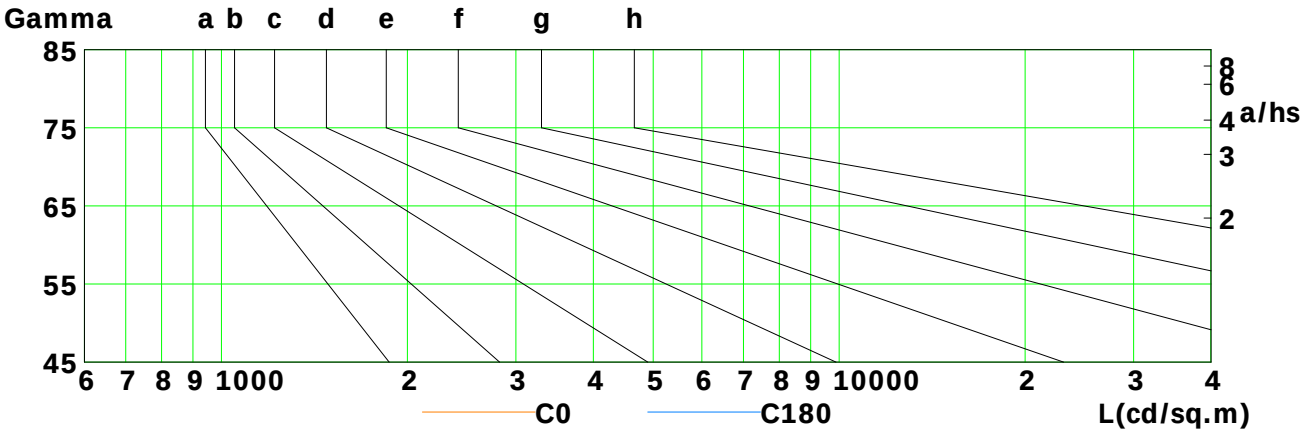
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



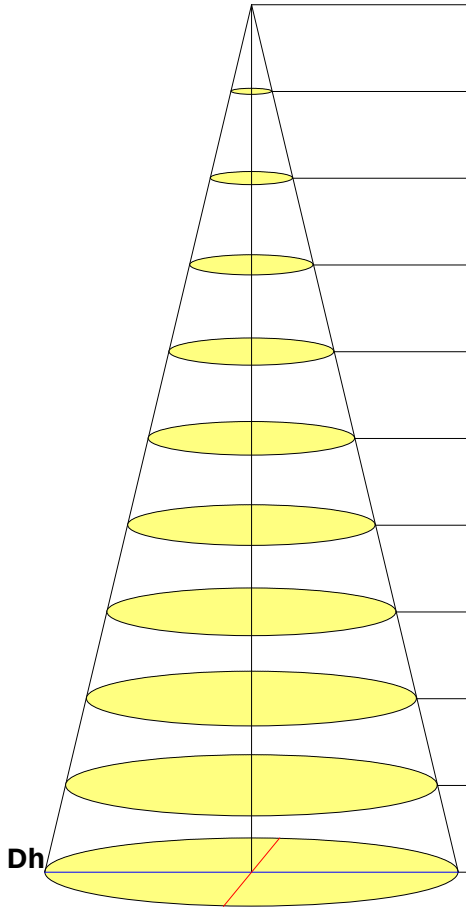


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	291	207	151	111	79	55	42	28	18
C90	1033	796	636	514	413	322	253	236	255
C180	472	332	227	141	80	50	33	20	16
C270	565	438	335	244	184	147	118	125	195

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



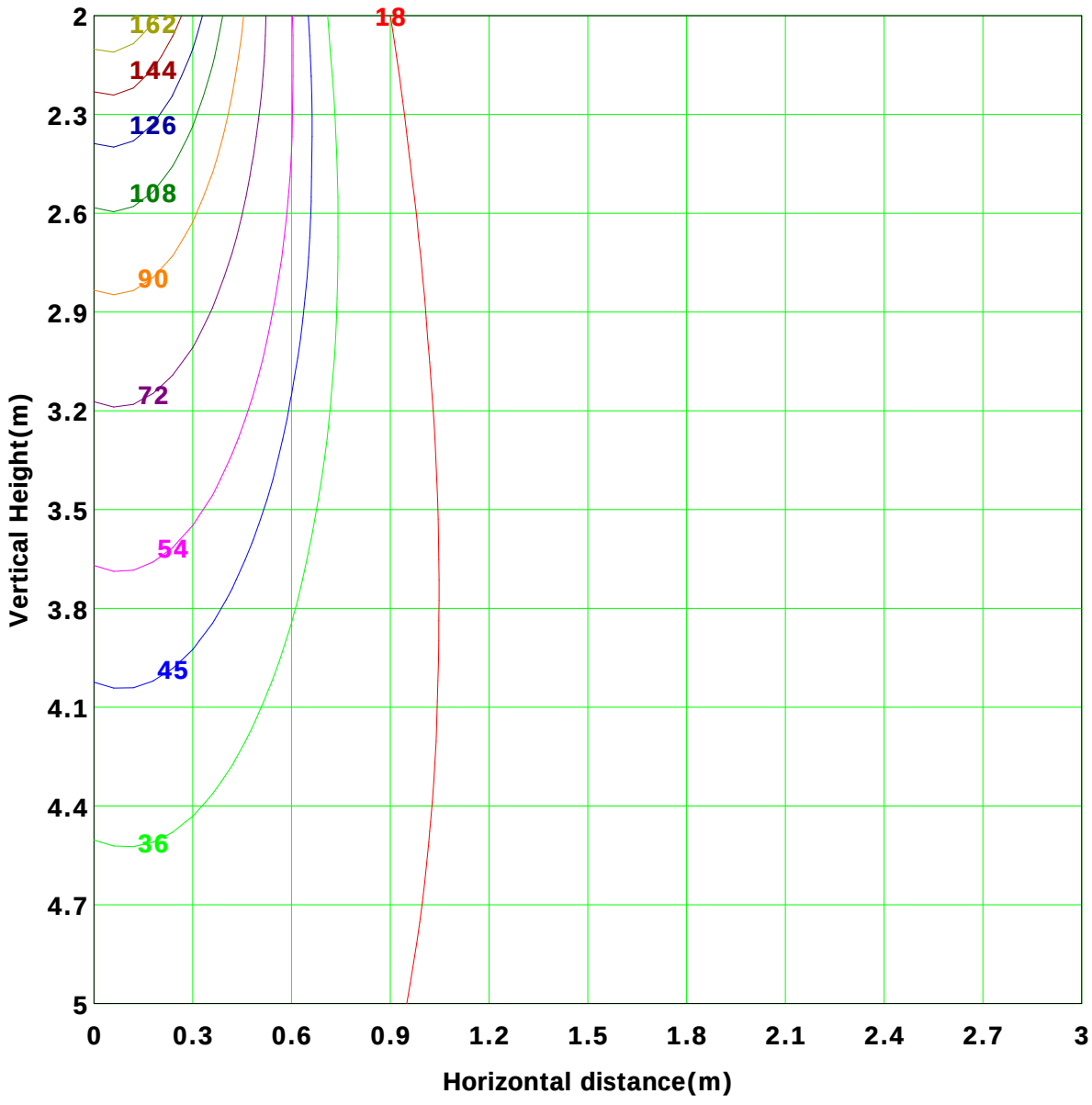
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	713.15	0.42/0.42	0.1	463.89
2.0	178.29	0.83/0.83	0.6	115.97
3.0	79.24	1.25/1.25	1.3	51.54
4.0	44.57	1.67/1.66	2.3	28.99
5.0	28.53	2.08/2.08	3.6	18.56
6.0	19.81	2.50/2.49	5.2	12.89
7.0	14.55	2.92/2.91	7.1	9.47
8.0	11.14	3.34/3.32	9.3	7.25
9.0	8.80	3.75/3.74	11.8	5.73
10.0	7.13	4.17/4.15	14.6	4.64

Beam Angle(B): H23.6 V23.5 Field Angle(F): H52.6 V50.3

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: 179.8 lx

(10%): 18.0 lx
(20%): 36.0 lx
(25%): 44.9 lx
(30%): 53.9 lx
(40%): 71.9 lx
(50%): 89.9 lx
(60%): 107.9 lx
(70%): 125.8 lx
(80%): 143.8 lx
(90%): 161.8 lx

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:

Area Flux Table

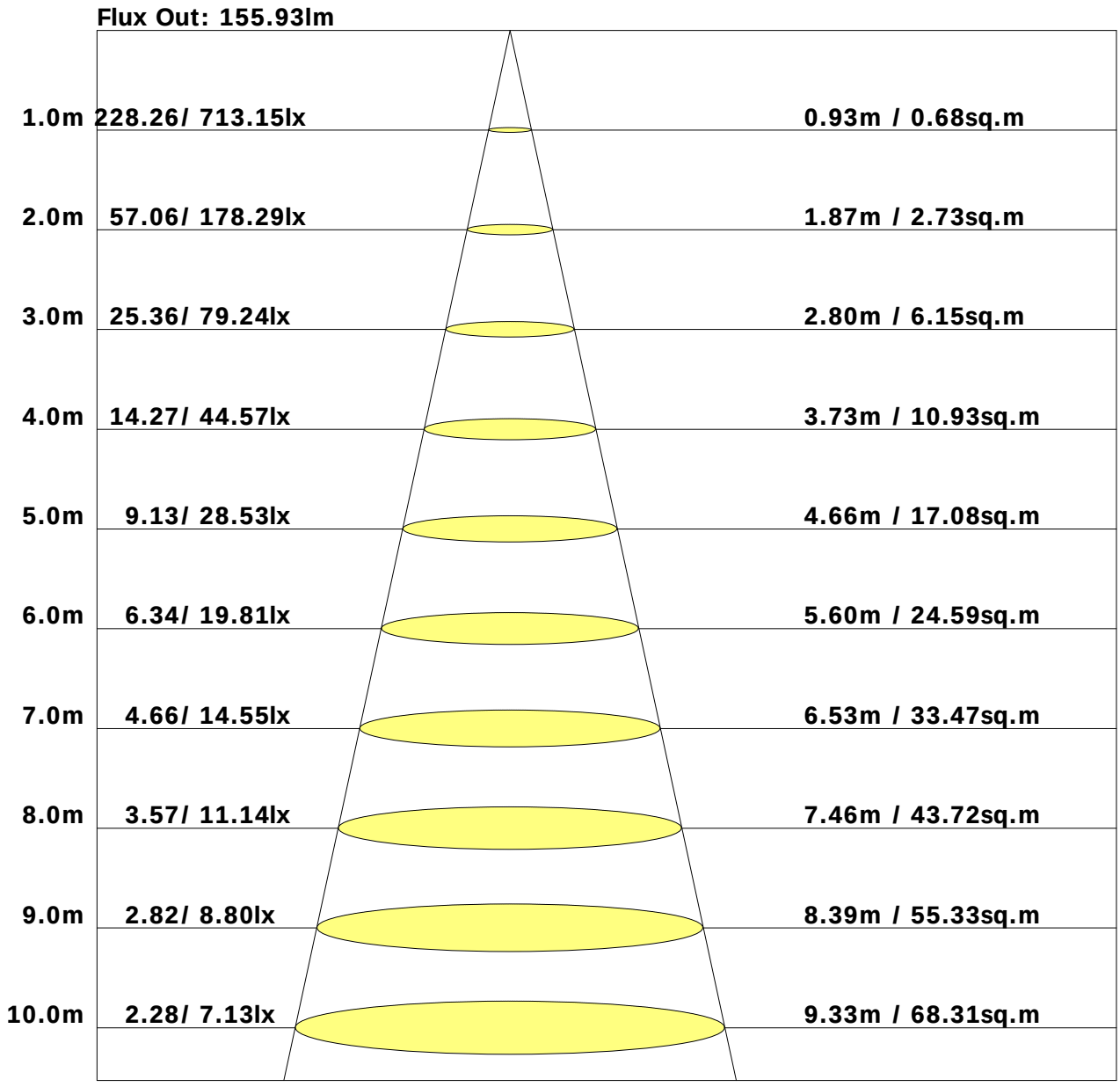
Unit: lm

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	0.0	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	0.1	0.0
-70	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	0.0
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.5	0.0
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	3.5	0.0
-40	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.8	1.1	1.0	0.8	0.5	0.3	0.2	0.1	0.0	0.0	7.0	0.0
-30	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.9	1.5	2.4	2.7	2.1	1.4	0.9	0.5	0.3	0.1	0.0	13.6	4.4
-20	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	1.2	2.6	5.9	8.4	5.2	2.5	1.2	0.6	0.3	0.1	0.0	29.4	22.7
-10	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.7	1.4	3.8	11.4	19.9	11.8	4.2	1.6	0.7	0.4	0.2	0.0	56.7	50.7
0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.6	1.3	3.7	11.7	20.2	13.9	4.7	1.6	0.7	0.3	0.1	0.0	59.5	53.7
10	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	1.0	2.2	5.5	9.0	6.5	2.7	1.1	0.6	0.3	0.1	0.0	30.2	23.9
20	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.6	1.1	1.8	2.4	2.0	1.1	0.6	0.4	0.2	0.1	0.0	11.2	3.1
30	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.7	0.8	0.7	0.5	0.3	0.2	0.1	0.0	0.0	4.8	0.0
40	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	2.3	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.1	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	0.5	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	0.2	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	222	158
Flux(T)	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		
Flux(E)	0.0	0.1	0.5	1.5	3.5	7.0	13.6	29.4	56.7	59.5	30.2	11.2	4.8	2.3	1.1	0.5	0.2	0.0	0.0		

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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Test Lab:
Test Type: TYPE C
Temperature: 25
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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	6.1	7.1	6.5	7.5	7.9	7.3	8.3	7.7	8.7	9.0
3H	7.1	8.0	7.5	8.4	8.8	7.8	8.7	8.3	9.1	9.5
4H	7.5	8.3	8.0	8.7	9.2	7.9	8.8	8.4	9.2	9.6
6H	7.8	8.6	8.3	9.0	9.5	8.0	8.7	8.4	9.1	9.6
8H	7.9	8.7	8.4	9.1	9.6	8.0	8.7	8.4	9.1	9.6
12H	8.1	8.8	8.6	9.2	9.7	7.9	8.6	8.4	9.1	9.6
X=4H Y=2H	6.2	7.0	6.6	7.4	7.9	7.5	8.3	7.9	8.7	9.2
3H	7.2	7.9	7.7	8.4	8.9	8.1	8.8	8.6	9.2	9.7
4H	7.7	8.3	8.2	8.8	9.3	8.2	8.9	8.7	9.3	9.8
6H	8.1	8.6	8.6	9.1	9.7	8.3	8.9	8.9	9.4	9.9
8H	8.3	8.7	8.8	9.2	9.8	8.3	8.8	8.9	9.3	9.9
12H	8.4	8.9	9.0	9.4	9.9	8.3	8.8	8.9	9.3	9.8
X=8H Y=4H	7.6	8.1	8.2	8.6	9.2	8.2	8.7	8.7	9.2	9.7
6H	8.1	8.5	8.6	9.0	9.6	8.3	8.7	8.9	9.3	9.8
8H	8.3	8.6	8.9	9.2	9.8	8.4	8.7	9.0	9.3	9.9
12H	8.6	8.8	9.1	9.4	10.0	8.4	8.7	9.0	9.3	9.9
X=12H Y=4H	7.6	8.0	8.1	8.6	9.1	8.2	8.6	8.7	9.1	9.7
6H	8.0	8.4	8.6	8.9	9.5	8.3	8.7	8.9	9.2	9.8
8H	8.3	8.6	8.8	9.1	9.8	8.4	8.7	9.0	9.2	9.9

Calculate in accordance with CIE 190:2010

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(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.50								
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	0.84	0.90	0.95	0.98	1.02	1.05	1.07	1.09	1.11
	0.30		0.79	0.86	0.90	0.94	0.99	1.02	1.04	1.07	1.09
	0.20		0.75	0.82	0.87	0.91	0.96	0.99	1.01	1.05	1.07
0.50	0.50	0.20	0.82	0.88	0.92	0.95	0.99	1.01	1.03	1.05	1.06
	0.30		0.78	0.84	0.89	0.92	0.96	0.99	1.01	1.03	1.05
	0.20		0.75	0.81	0.86	0.89	0.93	0.96	0.99	1.01	1.03
0.30	0.50	0.20	0.81	0.86	0.90	0.92	0.96	0.98	0.99	1.01	1.02
	0.30		0.77	0.83	0.87	0.90	0.93	0.96	0.97	0.99	1.01
	0.20		0.74	0.80	0.84	0.87	0.91	0.94	0.96	0.98	1.00
0.00	0.00	0.00	0.72	0.78	0.82	0.84	0.88	0.90	0.91	0.93	0.94

Rating:9W 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 = 0.50								
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	0.61	0.50	0.42	0.36	0.28	0.24	0.20	0.16	0.13
	0.30		0.51	0.42	0.36	0.32	0.26	0.22	0.19	0.15	0.12
	0.20		0.44	0.37	0.32	0.29	0.23	0.20	0.17	0.14	0.11
0.50	0.50	0.20	0.58	0.46	0.39	0.33	0.26	0.26	0.18	0.14	0.11
	0.30		0.49	0.40	0.34	0.30	0.24	0.20	0.17	0.13	0.11
	0.20		0.42	0.36	0.31	0.27	0.22	0.19	0.16	0.13	0.11
0.30	0.50	0.20	0.55	0.43	0.36	0.31	0.24	0.20	0.17	0.13	0.10
	0.30		0.47	0.38	0.32	0.28	0.22	0.19	0.16	0.12	0.10
	0.20		0.41	0.34	0.29	0.26	0.21	0.17	0.15	0.12	0.10
0.00	0.00	0.00	0.27	0.22	0.18	0.15	0.12	0.10	0.08	0.06	0.05

Rating:9W 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 = 0.50								
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	0.16	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.24
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.22	0.22
	0.20		0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	0.21
0.50	0.50	0.20	0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23
	0.30		0.12	0.13	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.09	0.11	0.12	0.13	0.15	0.17	0.18	0.19	0.20
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22
	0.30		0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.19	0.20
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:9W 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	724.1	0.7	0.7	0.30	0.30
1.0-2.0	716.9	2.1	2.8	0.90	1.20
2.0-3.0	702.4	3.4	6.1	1.47	2.67
3.0-4.0	682.1	4.6	10.7	2.00	4.67
4.0-5.0	656.4	5.6	16.3	2.47	7.14
5.0-6.0	626.2	6.6	22.9	2.88	10.02
6.0-7.0	592.5	7.4	30.3	3.22	13.24
7.0-8.0	555.9	8.0	38.2	3.48	16.72
8.0-9.0	517.3	8.4	46.6	3.67	20.39
9.0-10.0	478.2	8.7	55.3	3.79	24.17
10.0-11.0	438.9	8.8	64.0	3.84	28.01
11.0-12.0	399.9	8.7	72.8	3.82	31.83
12.0-13.0	362.2	8.6	81.4	3.76	35.59
13.0-14.0	326.3	8.4	89.7	3.65	39.25
14.0-15.0	292.5	8.0	97.8	3.51	42.76
15.0-16.0	261.2	7.7	105.4	3.35	46.11
16.0-17.0	233.0	7.3	112.7	3.17	49.28
17.0-18.0	207.2	6.8	119.5	2.99	52.27
18.0-19.0	183.8	6.4	125.9	2.80	55.07
19.0-20.0	163.0	6.0	131.9	2.61	57.68
20.0-21.0	144.5	5.5	137.4	2.43	60.11
21.0-22.0	128.2	5.2	142.6	2.25	62.36
22.0-23.0	114.0	4.8	147.3	2.09	64.45
23.0-24.0	101.7	4.4	151.8	1.94	66.40
24.0-25.0	91.0	4.1	155.9	1.81	68.21
25.0-26.0	81.8	3.9	159.8	1.69	69.90
26.0-27.0	73.8	3.6	163.4	1.58	71.47
27.0-28.0	66.7	3.4	166.8	1.48	72.95
28.0-29.0	60.7	3.2	170.0	1.39	74.34
29.0-30.0	55.4	3.0	172.9	1.31	75.65
30.0-31.0	50.6	2.8	175.8	1.23	76.88
31.0-32.0	46.5	2.7	178.4	1.16	78.05
32.0-33.0	42.7	2.5	180.9	1.10	79.15
33.0-34.0	39.3	2.4	183.3	1.04	80.19
34.0-35.0	36.3	2.3	185.6	0.99	81.18
35.0-36.0	33.6	2.1	187.7	0.94	82.11

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	31.1	2.0	189.7	0.89	83.00
37.0-38.0	28.8	1.9	191.7	0.84	83.84
38.0-39.0	26.8	1.8	193.5	0.80	84.64
39.0-40.0	24.9	1.7	195.2	0.76	85.40
40.0-41.0	23.2	1.7	196.9	0.72	86.12
41.0-42.0	21.6	1.6	198.5	0.69	86.81
42.0-43.0	20.1	1.5	199.9	0.65	87.46
43.0-44.0	18.8	1.4	201.4	0.62	88.08
44.0-45.0	17.5	1.3	202.7	0.59	88.67
45.0-46.0	16.3	1.3	204.0	0.56	89.23
46.0-47.0	15.3	1.2	205.2	0.53	89.76
47.0-48.0	14.2	1.2	206.3	0.50	90.26
48.0-49.0	13.3	1.1	207.4	0.48	90.74
49.0-50.0	12.4	1.0	208.5	0.45	91.19
50.0-51.0	11.6	1.0	209.5	0.43	91.62
51.0-52.0	10.8	0.9	210.4	0.41	92.03
52.0-53.0	10.1	0.9	211.3	0.38	92.41
53.0-54.0	9.4	0.8	212.1	0.36	92.77
54.0-55.0	8.7	0.8	212.9	0.34	93.11
55.0-56.0	8.1	0.7	213.6	0.32	93.43
56.0-57.0	7.5	0.7	214.3	0.30	93.73
57.0-58.0	6.9	0.6	214.9	0.28	94.01
58.0-59.0	6.4	0.6	215.5	0.26	94.27
59.0-60.0	5.9	0.6	216.1	0.25	94.52
60.0-61.0	5.5	0.5	216.6	0.23	94.75
61.0-62.0	5.0	0.5	217.1	0.21	94.96
62.0-63.0	4.6	0.4	217.5	0.20	95.15
63.0-64.0	4.2	0.4	217.9	0.18	95.33
64.0-65.0	3.8	0.4	218.3	0.17	95.50
65.0-66.0	3.5	0.4	218.7	0.15	95.65
66.0-67.0	3.2	0.3	219.0	0.14	95.79
67.0-68.0	2.9	0.3	219.3	0.13	95.92
68.0-69.0	2.7	0.3	219.6	0.12	96.04
69.0-70.0	2.4	0.2	219.8	0.11	96.15
70.0-71.0	2.2	0.2	220.0	0.10	96.25
71.0-72.0	2.0	0.2	220.2	0.09	96.34

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	1.8	0.2	220.4	0.08	96.42
73.0-74.0	1.7	0.2	220.6	0.08	96.50
74.0-75.0	1.5	0.2	220.8	0.07	96.57
75.0-76.0	1.4	0.1	220.9	0.07	96.64
76.0-77.0	1.3	0.1	221.1	0.06	96.70
77.0-78.0	1.2	0.1	221.2	0.06	96.75
78.0-79.0	1.1	0.1	221.3	0.05	96.81
79.0-80.0	1.0	0.1	221.4	0.05	96.85
80.0-81.0	0.9	0.1	221.5	0.04	96.90
81.0-82.0	0.9	0.1	221.6	0.04	96.94
82.0-83.0	0.8	0.1	221.7	0.04	96.98
83.0-84.0	0.8	0.1	221.8	0.04	97.02
84.0-85.0	0.8	0.1	221.9	0.04	97.06
85.0-86.0	0.7	0.1	222.0	0.03	97.09
86.0-87.0	0.7	0.1	222.0	0.03	97.12
87.0-88.0	0.7	0.1	222.1	0.03	97.16
88.0-89.0	0.7	0.1	222.2	0.03	97.19
89.0-90.0	0.7	0.1	222.3	0.03	97.22
90.0-91.0	0.7	0.1	222.3	0.03	97.25
91.0-92.0	0.7	0.1	222.4	0.03	97.28
92.0-93.0	0.7	0.1	222.5	0.03	97.32
93.0-94.0	0.6	0.1	222.5	0.03	97.35
94.0-95.0	0.7	0.1	222.6	0.03	97.38
95.0-96.0	0.7	0.1	222.7	0.03	97.41
96.0-97.0	0.7	0.1	222.8	0.03	97.44
97.0-98.0	0.7	0.1	222.8	0.03	97.48
98.0-99.0	0.7	0.1	222.9	0.03	97.51
99.0-100.0	0.7	0.1	223.0	0.03	97.54
100.0-101.0	0.7	0.1	223.1	0.03	97.57
101.0-102.0	0.7	0.1	223.1	0.03	97.60
102.0-103.0	0.7	0.1	223.2	0.03	97.64
103.0-104.0	0.7	0.1	223.3	0.03	97.67
104.0-105.0	0.7	0.1	223.3	0.03	97.70
105.0-106.0	0.7	0.1	223.4	0.03	97.73
106.0-107.0	0.7	0.1	223.5	0.03	97.76
107.0-108.0	0.7	0.1	223.6	0.03	97.80

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	0.7	0.1	223.6	0.03	97.83
109.0-110.0	0.7	0.1	223.7	0.03	97.86
110.0-111.0	0.7	0.1	223.8	0.03	97.89
111.0-112.0	0.7	0.1	223.9	0.03	97.92
112.0-113.0	0.7	0.1	223.9	0.03	97.95
113.0-114.0	0.7	0.1	224.0	0.03	97.99
114.0-115.0	0.8	0.1	224.1	0.03	98.02
115.0-116.0	0.8	0.1	224.2	0.03	98.05
116.0-117.0	0.8	0.1	224.2	0.03	98.08
117.0-118.0	0.8	0.1	224.3	0.03	98.12
118.0-119.0	0.8	0.1	224.4	0.03	98.15
119.0-120.0	0.8	0.1	224.5	0.03	98.18
120.0-121.0	0.8	0.1	224.5	0.03	98.22
121.0-122.0	0.8	0.1	224.6	0.03	98.25
122.0-123.0	0.8	0.1	224.7	0.03	98.28
123.0-124.0	0.8	0.1	224.8	0.03	98.32
124.0-125.0	0.8	0.1	224.8	0.03	98.35
125.0-126.0	0.9	0.1	224.9	0.03	98.39
126.0-127.0	0.9	0.1	225.0	0.03	98.42
127.0-128.0	0.9	0.1	225.1	0.04	98.46
128.0-129.0	0.9	0.1	225.2	0.04	98.49
129.0-130.0	1.0	0.1	225.2	0.04	98.53
130.0-131.0	1.0	0.1	225.3	0.04	98.56
131.0-132.0	1.0	0.1	225.4	0.04	98.60
132.0-133.0	1.0	0.1	225.5	0.04	98.64
133.0-134.0	1.1	0.1	225.6	0.04	98.67
134.0-135.0	1.1	0.1	225.7	0.04	98.71
135.0-136.0	1.1	0.1	225.8	0.04	98.75
136.0-137.0	1.2	0.1	225.8	0.04	98.79
137.0-138.0	1.2	0.1	225.9	0.04	98.83
138.0-139.0	1.2	0.1	226.0	0.04	98.87
139.0-140.0	1.3	0.1	226.1	0.04	98.91
140.0-141.0	1.3	0.1	226.2	0.04	98.95
141.0-142.0	1.3	0.1	226.3	0.04	98.99
142.0-143.0	1.4	0.1	226.4	0.04	99.03
143.0-144.0	1.4	0.1	226.5	0.04	99.07

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	1.4	0.1	226.6	0.04	99.11
145.0-146.0	1.5	0.1	226.7	0.04	99.15
146.0-147.0	1.5	0.1	226.7	0.04	99.19
147.0-148.0	1.5	0.1	226.8	0.04	99.22
148.0-149.0	1.6	0.1	226.9	0.04	99.26
149.0-150.0	1.6	0.1	227.0	0.04	99.30
150.0-151.0	1.6	0.1	227.1	0.04	99.34
151.0-152.0	1.7	0.1	227.2	0.04	99.38
152.0-153.0	1.7	0.1	227.3	0.04	99.42
153.0-154.0	1.7	0.1	227.4	0.04	99.46
154.0-155.0	1.8	0.1	227.4	0.04	99.49
155.0-156.0	1.8	0.1	227.5	0.04	99.53
156.0-157.0	1.8	0.1	227.6	0.04	99.56
157.0-158.0	1.9	0.1	227.7	0.03	99.60
158.0-159.0	1.9	0.1	227.8	0.03	99.63
159.0-160.0	1.9	0.1	227.8	0.03	99.66
160.0-161.0	1.9	0.1	227.9	0.03	99.69
161.0-162.0	2.0	0.1	228.0	0.03	99.72
162.0-163.0	2.0	0.1	228.0	0.03	99.75
163.0-164.0	2.0	0.1	228.1	0.03	99.78
164.0-165.0	2.0	0.1	228.2	0.03	99.80
165.0-166.0	2.0	0.1	228.2	0.02	99.83
166.0-167.0	2.1	0.1	228.3	0.02	99.85
167.0-168.0	2.1	0.0	228.3	0.02	99.87
168.0-169.0	2.1	0.0	228.4	0.02	99.89
169.0-170.0	2.1	0.0	228.4	0.02	99.91
170.0-171.0	2.1	0.0	228.4	0.02	99.93
171.0-172.0	2.1	0.0	228.5	0.01	99.94
172.0-173.0	2.1	0.0	228.5	0.01	99.96
173.0-174.0	2.1	0.0	228.5	0.01	99.97
174.0-175.0	2.1	0.0	228.6	0.01	99.98
175.0-176.0	2.2	0.0	228.6	0.01	99.99
176.0-177.0	2.2	0.0	228.6	0.01	99.99
177.0-178.0	2.2	0.0	228.6	0.00	100.00
178.0-179.0	2.2	0.0	228.6	0.00	100.00
179.0-180.0	2.2	0.0	228.6	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: