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

Report No.: 20230921 **Test Time: 2023/9/22 16:39**

Luminaire Property

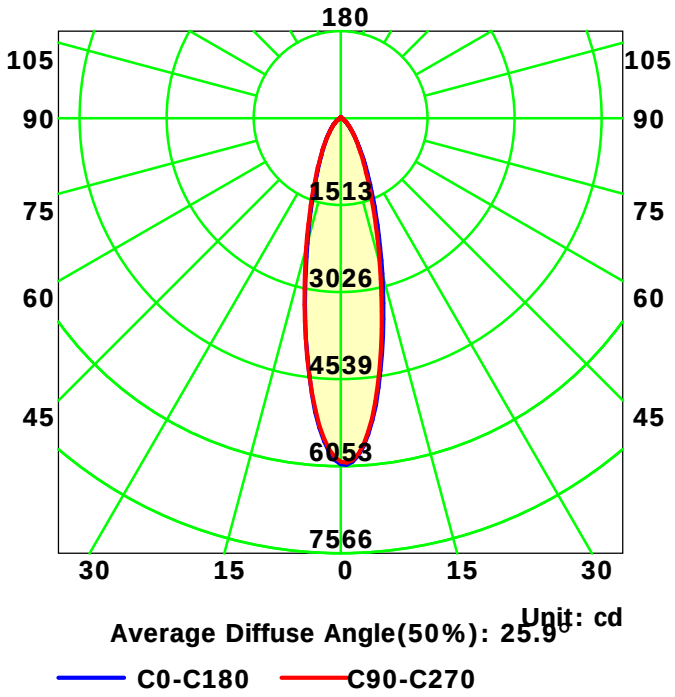
Luminaire Manufacturer: Acolyte
Luminaire Category: Nano Pivot
Luminaire Description: Nano pivot SW 9.75 4000K
Lamp Catalog: Optic BA 25 degree **Luminous Length (mm): 1000**
Luminous Width (mm): 28 **Luminous Height (mm): 36**
Voltage: 24.0 V **Current: 1.370 A**
Power: 32.89 W **Power Factor: 1.000**

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 2319.2 lm**
Measurement Flux: 2319.2 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H63,H26
Vertical Diffuse Angle(10%,50%): V62.8,V25.8
Luminaire Efficacy Rating (LER): 71 **Central Intensity: 6015.94 cd**
Max. Intensity: 6028.63 cd **Pos of Max. Intensity: H0 V1**

Picture Of Luminaire

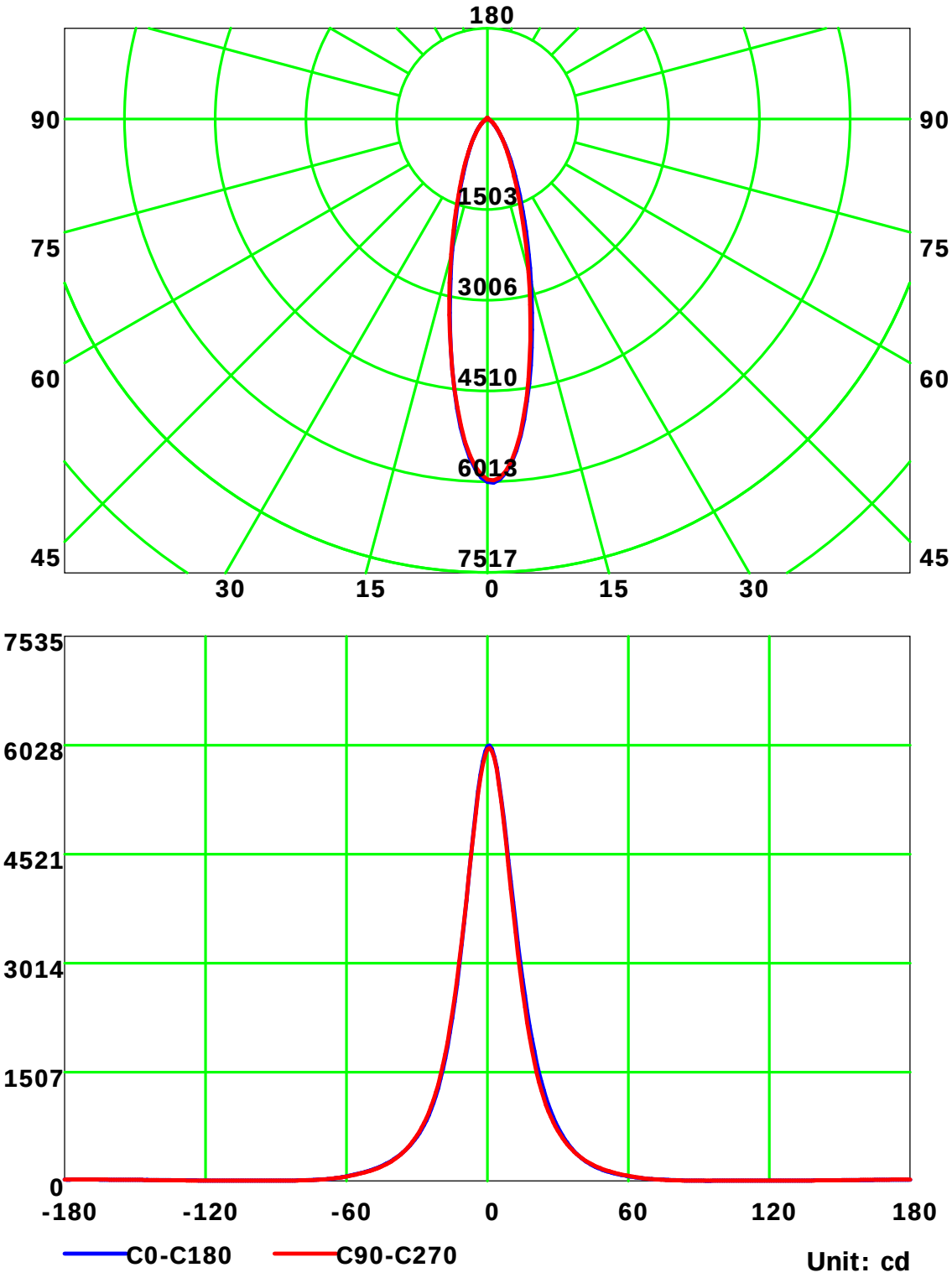
Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 25.9°

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:**

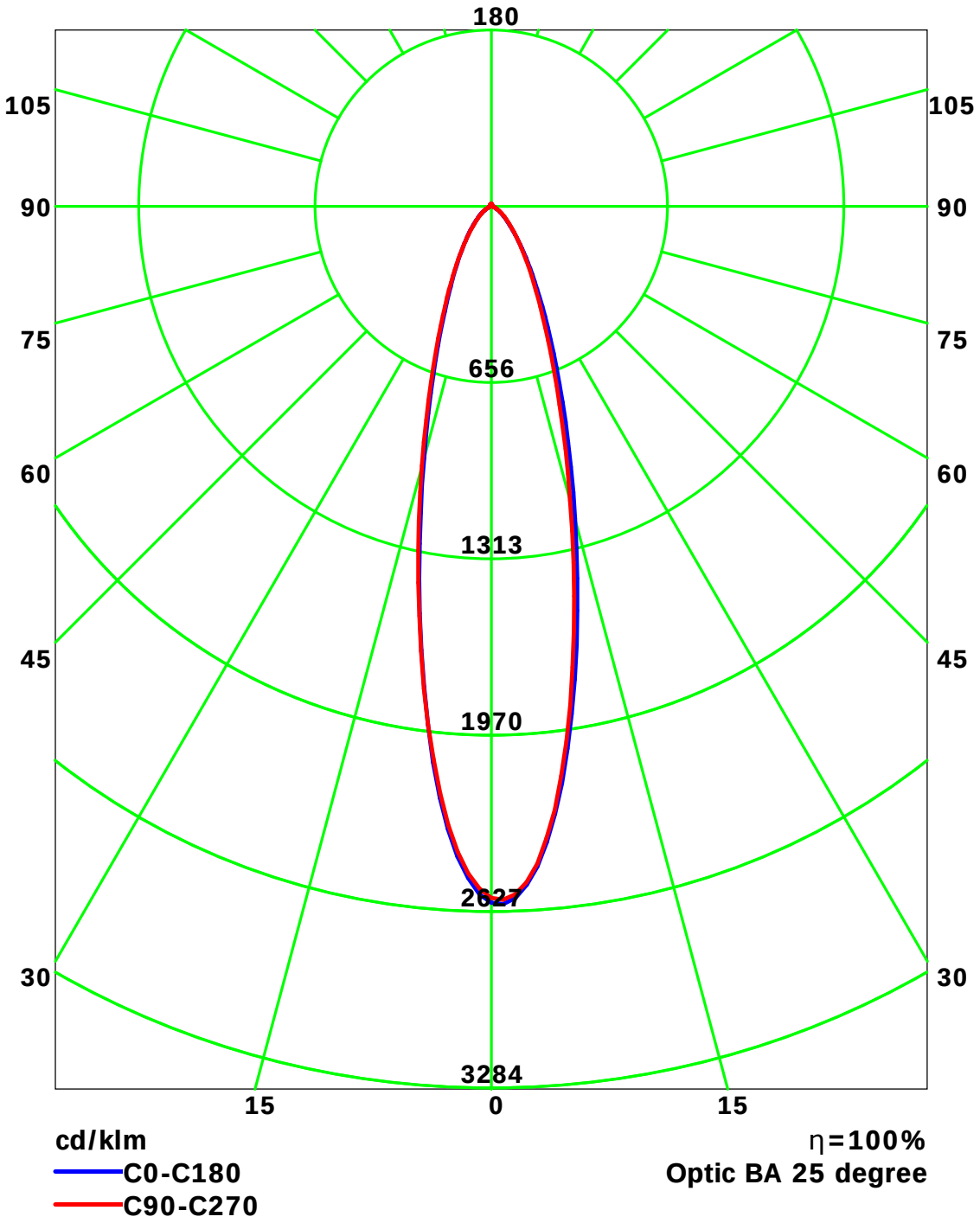
Luminous Intensity Distribution Curve



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:

Luminous Intensity Distribution Curve(cd/klm)



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

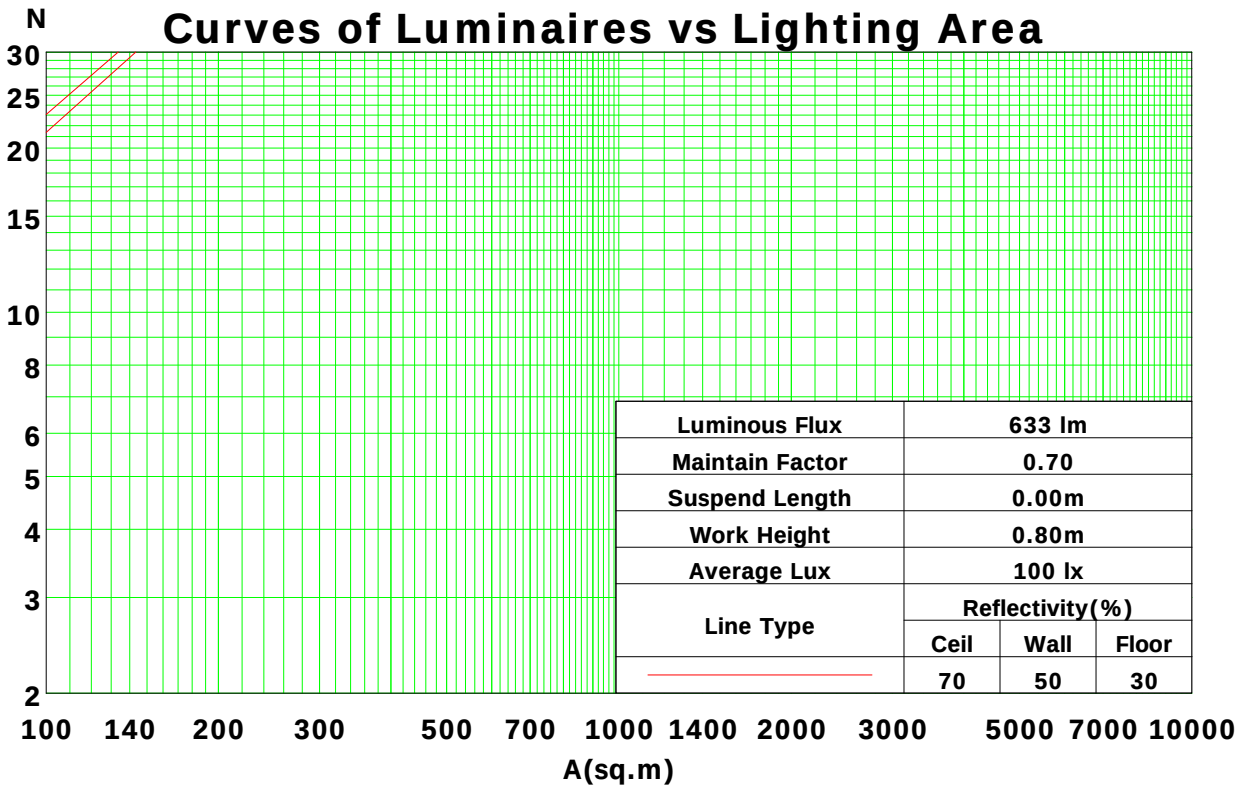
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	97
1	112	110	107	105	110	107	105	103	103	101	99	98	97	96	94	93	92	90
2	107	102	98	94	104	100	96	93	96	93	90	93	90	88	89	88	86	84
3	102	95	90	86	99	93	89	85	90	87	83	88	84	82	85	82	80	78
4	97	89	84	79	95	88	83	79	85	81	77	83	79	76	81	78	75	73
5	92	84	78	74	90	83	77	73	81	76	72	79	75	72	77	73	71	69
6	88	79	73	69	86	78	73	69	76	72	68	75	71	67	73	70	67	65
7	84	75	69	65	83	74	69	65	73	68	64	71	67	64	70	66	63	62
8	80	71	66	62	79	71	65	61	69	65	61	68	64	61	67	63	60	59
9	77	68	62	59	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	65	60	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54

Spacing Criteria (0-180): 0.43
Spacing Criteria (90-270): 0.43
Spacing Criteria (Diagonal): 0.48

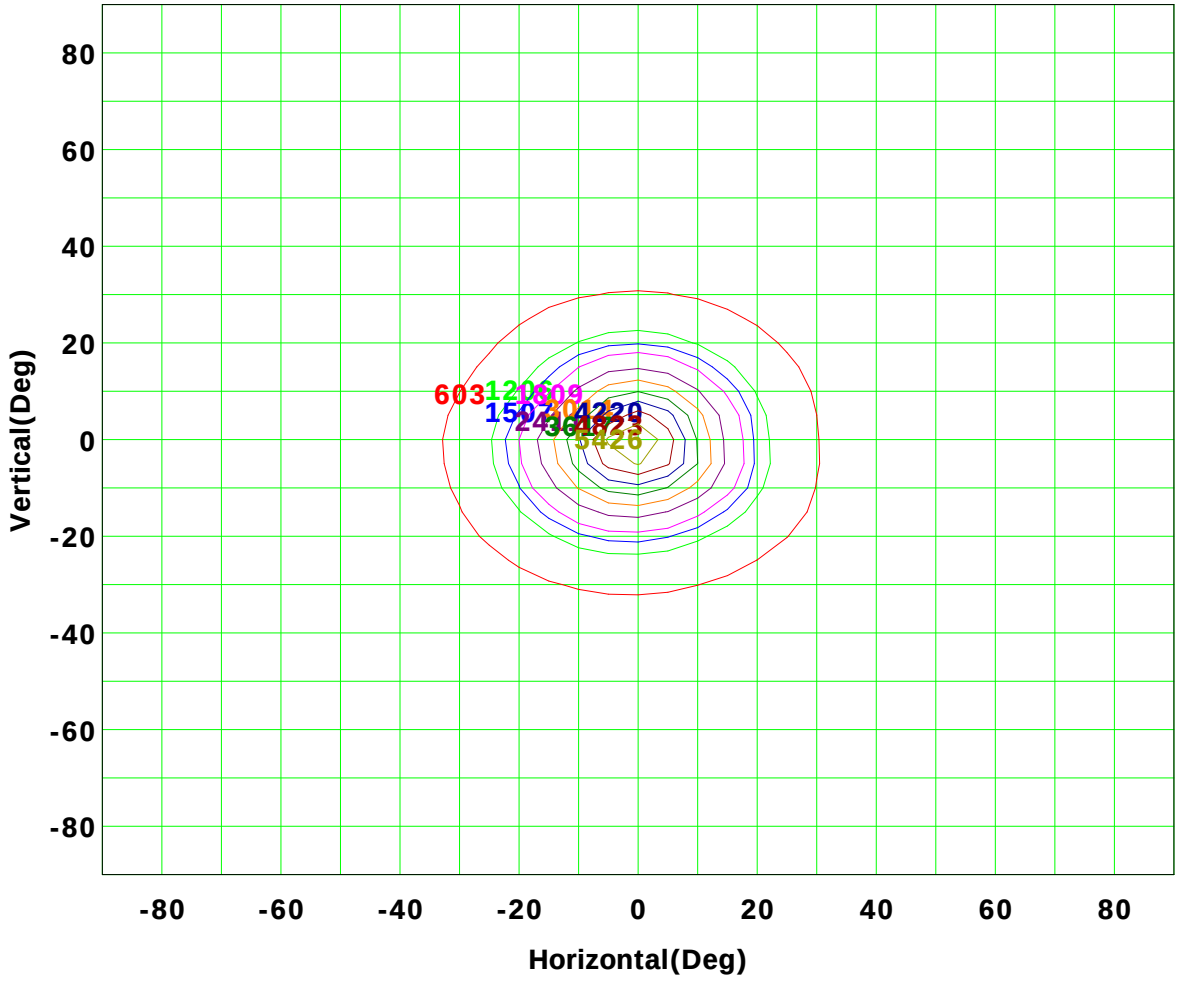
Curves of Luminaires vs Lighting Area



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)



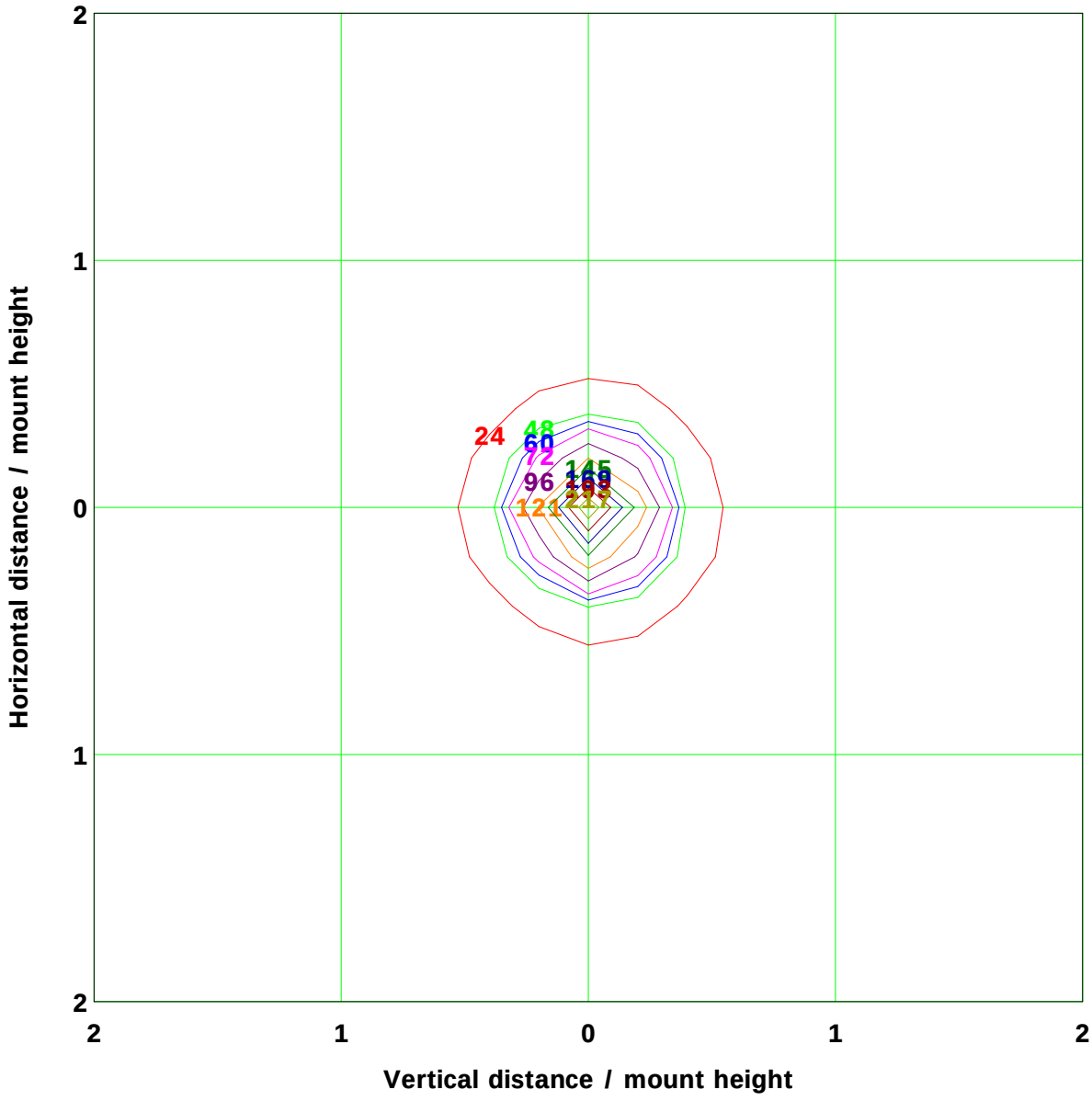
Imax (100%): 6029 cd

(10%): 603 cd	(20%): 1206 cd
(25%): 1507 cd	(30%): 1809 cd
(40%): 2411 cd	(50%): 3014 cd
(60%): 3617 cd	(70%): 4220 cd
(80%): 4823 cd	(90%): 5426 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%): 241.0 lx**

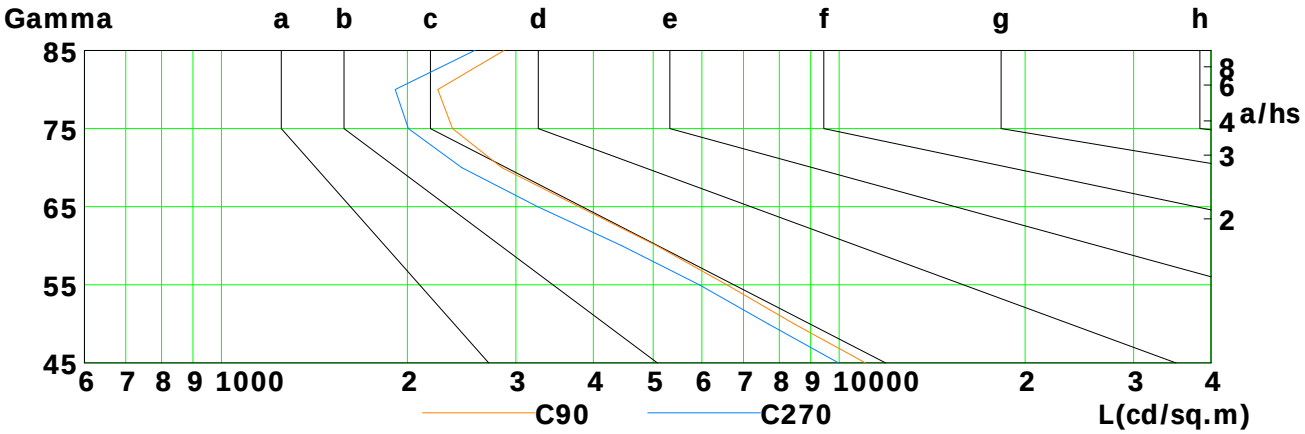
(10%): 24.1 lx	(20%): 48.2 lx
(25%): 60.3 lx	(30%): 72.3 lx
(40%): 96.4 lx	(50%): 120.5 lx
(60%): 144.6 lx	(70%): 168.7 lx
(80%): 192.8 lx	(90%): 216.9 lx

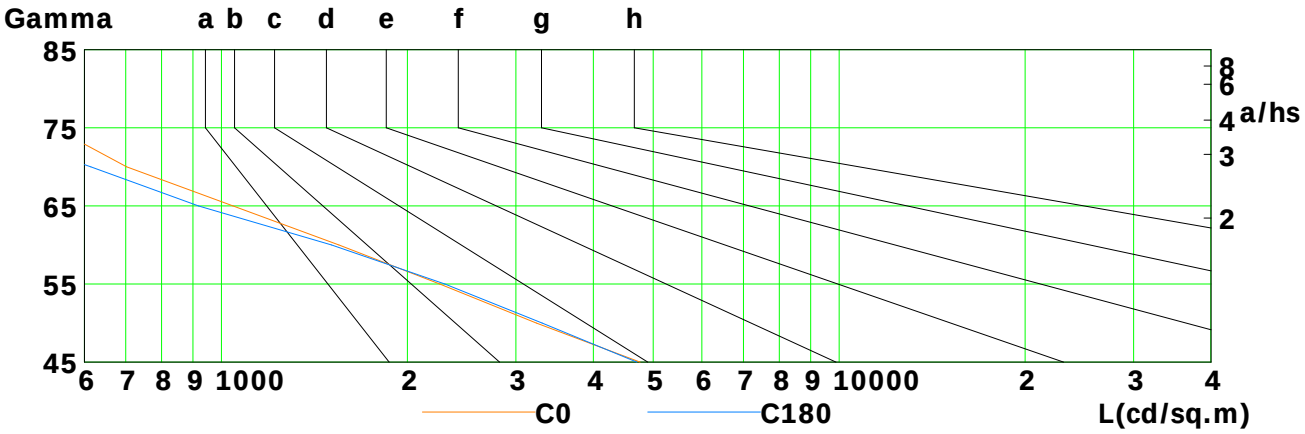
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



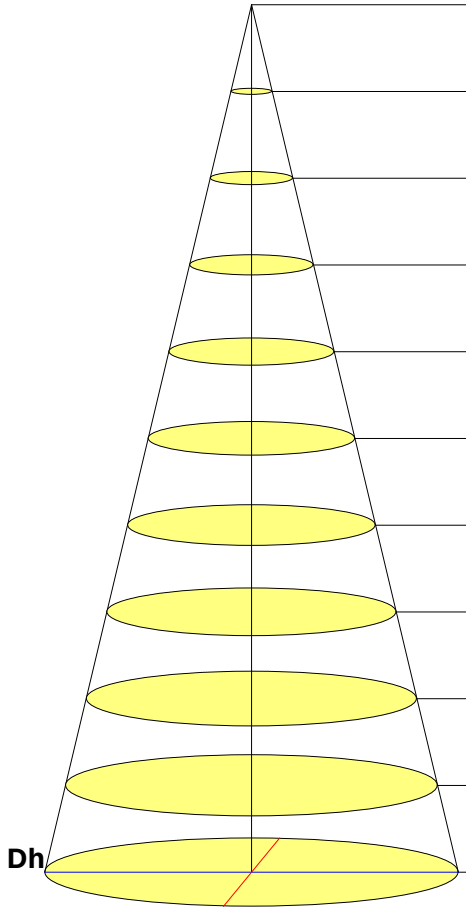


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4766	3238	2256	1550	1045	703	537	373	266
C90	11040	8451	6583	5066	3794	2844	2367	2241	2868
C180	4704	3306	2301	1508	919	615	421	300	254
C270	9976	7681	5937	4451	3250	2452	2008	1913	2569

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



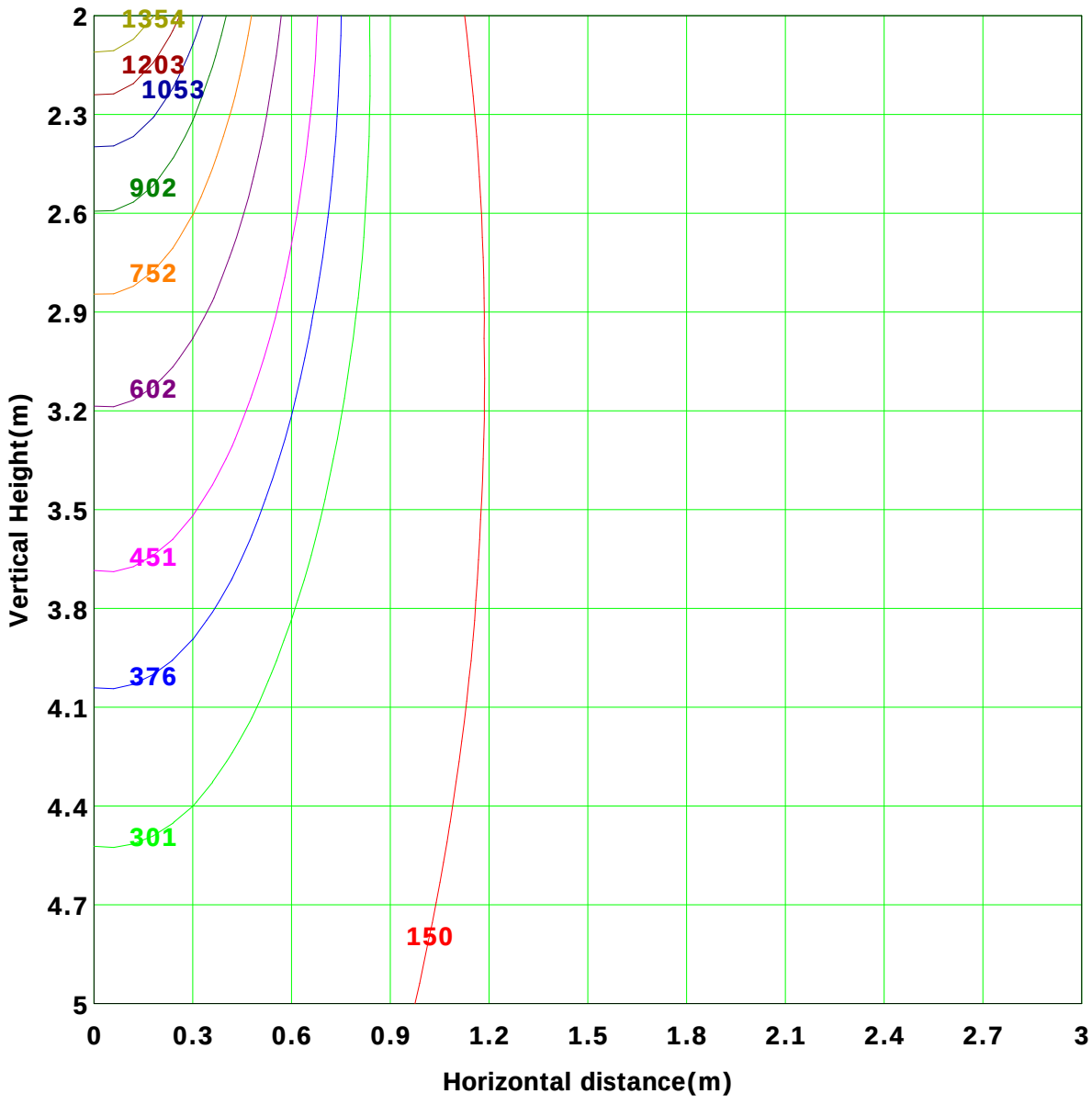
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	6015.94	0.46/0.46	0.2	3602.86
2.0	1503.98	0.92/0.92	0.7	900.72
3.0	668.44	1.39/1.38	1.5	400.32
4.0	376.00	1.85/1.83	2.7	225.18
5.0	240.64	2.31/2.29	4.2	144.11
6.0	167.11	2.77/2.75	6.1	100.08
7.0	122.77	3.23/3.21	8.2	73.53
8.0	94.00	3.70/3.67	10.8	56.29
9.0	74.27	4.16/4.13	13.6	44.48
10.0	60.16	4.62/4.59	16.8	36.03

Beam Angle(B): H26.0 V25.8 Field Angle(F): H63.0 V62.8

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: 1504.0 lx

(10%): 150.4 lx
(20%): 300.8 lx
(25%): 376.0 lx
(30%): 451.2 lx
(40%): 601.6 lx
(50%): 752.0 lx
(60%): 902.4 lx
(70%):1052.8 lx
(80%):1203.2 lx
(90%):1353.6 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

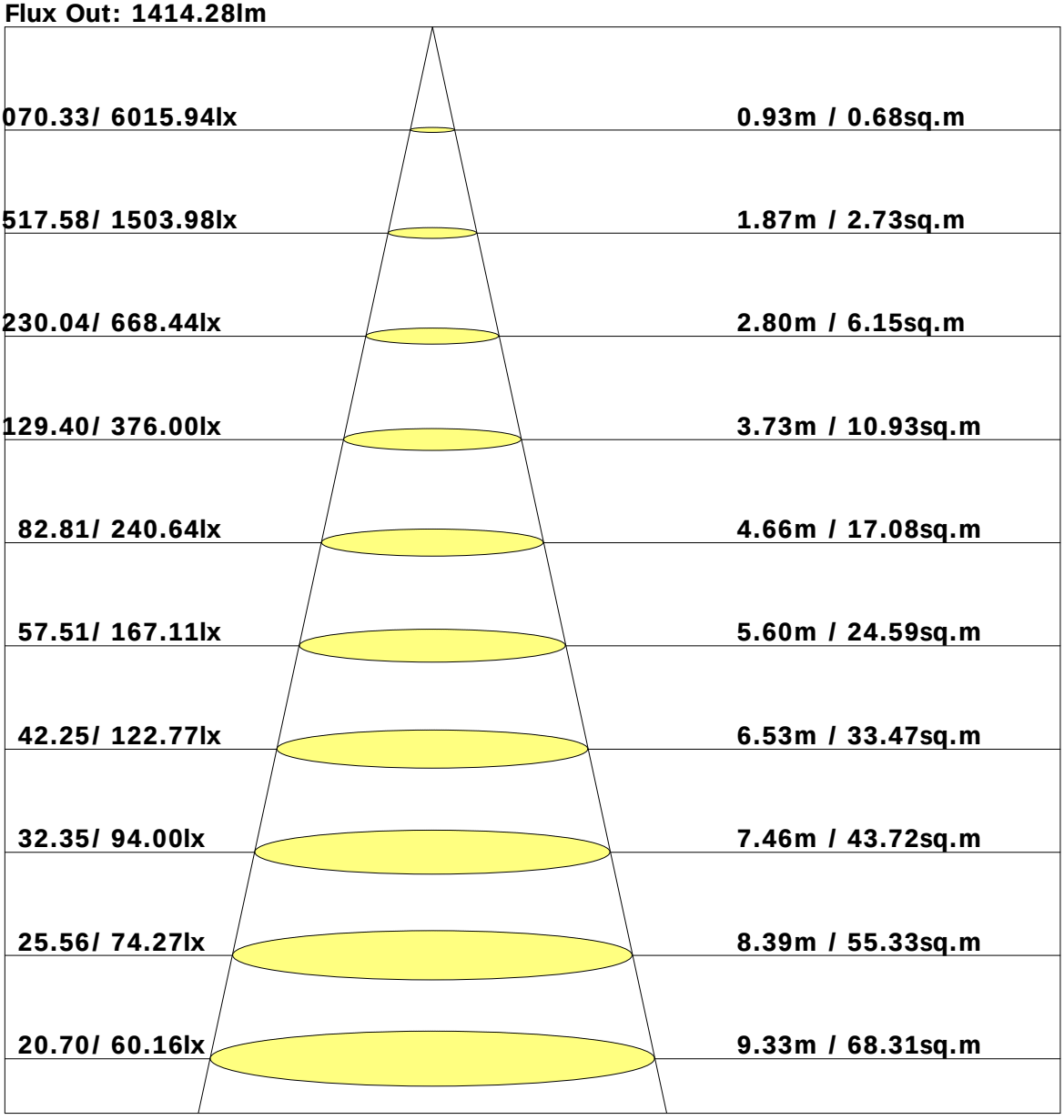
Vertical plane	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
90	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	1.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70	0.0	5.6	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1
60	0.0	15.6	0.2	0.2	0.3	0.3	0.5	0.8	1.1	1.5	1.8	1.9	1.8	1.7	1.3	1.0	0.6	0.4	0.2	0.2	0.2
50	0.0	36.1	0.2	0.3	0.5	0.5	1.0	1.7	2.7	3.6	4.4	4.7	4.6	4.1	3.2	2.3	1.4	0.8	0.4	0.2	0.2
40	0.0	74.6	0.2	0.4	0.5	0.8	1.6	3.0	4.9	7.4	9.7	11.0	10.7	9.0	6.6	4.3	2.6	1.4	0.6	0.3	0.2
30	0.0	148.3	0.2	0.5	1.0	1.0	2.3	4.4	7.9	13.5	21.1	26.2	25.1	19.1	12.2	7.2	4.0	2.1	0.9	0.4	0.2
20	0.0	298.2	0.3	0.5	1.3	1.3	3.0	5.9	11.4	22.2	43.7	67.8	62.6	38.9	20.3	10.5	5.4	2.7	1.1	0.5	0.3
10	0.0	516.4	0.3	0.6	1.5	1.5	3.4	6.9	14.2	31.0	73.1	139.3	128.9	65.0	28.0	12.9	6.2	3.0	1.3	0.5	0.3
0	0.2	531.8	0.3	0.6	1.5	1.5	3.4	6.9	14.5	32.4	77.4	145.0	130.6	66.6	28.5	12.9	6.2	3.0	1.3	0.5	0.3
-10	0.1	324.3	0.3	0.6	1.3	1.3	2.9	5.9	11.8	24.4	48.9	77.8	69.2	40.3	20.9	10.3	5.2	2.6	1.1	0.5	0.3
-20	0.1	160.6	0.3	0.5	1.1	1.1	2.3	4.3	7.9	14.3	23.5	31.5	29.3	19.5	11.9	6.8	3.8	2.0	0.9	0.4	0.2
-30	0.1	75.5	0.2	0.4	0.8	0.8	1.6	2.8	4.6	7.2	10.2	12.3	11.8	8.9	6.0	3.9	2.4	1.3	0.7	0.3	0.2
-40	0.1	34.4	0.2	0.3	0.5	0.5	0.9	1.6	2.4	3.3	4.2	4.7	4.6	3.8	2.9	2.0	1.3	0.8	0.4	0.3	0.2
-50	0.1	15.1	0.1	0.2	0.3	0.3	0.5	0.7	1.1	1.4	1.7	1.8	1.8	1.6	1.3	1.0	0.6	0.4	0.3	0.2	0.1
-60	0.1	6.0	0.1	0.1	0.2	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.2	0.1	0.1
-70	0.1	2.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
-80	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	Flux(T)	2248	3.2	5.5	11.5	24.0	45.7	85.5	163.3	321.1	525.7	482.6	280.0	144.4	76.1	40.6	21.1	9.8	4.7	3.0	Flux(E)
Horizontal plane	1672		0.0	0.0	0.0	0.0	0.0	0.0	111.5	283.7	491.4	448.1	240.5	89.5	1.3	0.0	0.0	0.0	0.0	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

Flux Out: 1414.28lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	2070.33/ 6015.94lx		0.93m / 0.68sq.m
2.0m	517.58/ 1503.98lx		1.87m / 2.73sq.m
3.0m	230.04/ 668.44lx		2.80m / 6.15sq.m
4.0m	129.40/ 376.00lx		3.73m / 10.93sq.m
5.0m	82.81/ 240.64lx		4.66m / 17.08sq.m
6.0m	57.51/ 167.11lx		5.60m / 24.59sq.m
7.0m	42.25/ 122.77lx		6.53m / 33.47sq.m
8.0m	32.35/ 94.00lx		7.46m / 43.72sq.m
9.0m	25.56/ 74.27lx		8.39m / 55.33sq.m
10.0m	20.70/ 60.16lx		9.33m / 68.31sq.m

C Plane (°):0.0-360.0: 30.0
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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	8.4	9.4	8.8	9.8	10.2	7.2	8.2	7.6	8.6	9.0
3H	9.1	10.1	9.6	10.5	10.9	7.6	8.6	8.1	9.0	9.4
4H	9.4	10.3	9.9	10.7	11.2	7.7	8.6	8.2	9.0	9.4
6H	9.7	10.5	10.2	11.0	11.4	7.7	8.5	8.2	9.0	9.4
8H	9.9	10.6	10.3	11.0	11.5	7.7	8.5	8.2	8.9	9.4
12H	10.0	10.7	10.5	11.1	11.6	7.7	8.4	8.2	8.9	9.4
X=4H Y=2H	8.4	9.2	8.8	9.6	10.1	7.4	8.2	7.8	8.6	9.1
3H	9.2	9.9	9.7	10.4	10.8	7.9	8.6	8.4	9.1	9.5
4H	9.6	10.2	10.0	10.7	11.2	8.0	8.6	8.5	9.1	9.6
6H	9.9	10.5	10.4	11.0	11.5	8.1	8.6	8.6	9.2	9.7
8H	10.1	10.6	10.6	11.1	11.6	8.1	8.6	8.6	9.1	9.7
12H	10.3	10.7	10.8	11.2	11.8	8.1	8.6	8.7	9.1	9.7
X=8H Y=4H	9.5	10.0	10.0	10.5	11.0	8.0	8.5	8.5	9.0	9.6
6H	9.9	10.3	10.4	10.8	11.4	8.1	8.6	8.7	9.1	9.7
8H	10.1	10.4	10.6	11.0	11.6	8.2	8.6	8.8	9.1	9.7
12H	10.3	10.6	10.9	11.2	11.8	8.3	8.6	8.8	9.1	9.8
X=12H Y=4H	9.4	9.9	10.0	10.4	10.9	8.0	8.4	8.5	9.0	9.5
6H	9.8	10.2	10.4	10.7	11.3	8.1	8.5	8.7	9.0	9.6
8H	10.1	10.4	10.6	10.9	11.6	8.2	8.5	8.8	9.1	9.7

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 = 0.75								
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	0.84	0.90	0.94	0.98	1.02	1.05	1.06	1.09	1.10
	0.30		0.79	0.86	0.90	0.93	0.98	1.01	1.03	1.06	1.08
	0.20		0.76	0.82	0.87	0.90	0.95	0.99	1.01	1.04	1.07
0.50	0.50	0.20	0.82	0.88	0.92	0.95	0.98	1.01	1.02	1.05	1.06
	0.30		0.78	0.84	0.88	0.91	0.95	0.98	1.00	1.03	1.04
	0.20		0.75	0.81	0.85	0.89	0.93	0.96	0.98	1.01	1.03
0.30	0.50	0.20	0.81	0.86	0.90	0.92	0.95	0.97	0.99	1.00	1.02
	0.30		0.77	0.83	0.87	0.89	0.93	0.95	0.97	0.99	1.00
	0.20		0.74	0.80	0.84	0.87	0.91	0.93	0.95	0.98	0.99
0.00	0.00	0.00	0.73	0.78	0.81	0.84	0.87	0.89	0.91	0.93	0.94

Rating:33W 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 = 0.75								
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	0.60	0.49	0.41	0.36	0.28	0.24	0.20	0.16	0.13
	0.30		0.50	0.42	0.36	0.32	0.26	0.22	0.19	0.15	0.12
	0.20		0.43	0.37	0.32	0.28	0.23	0.20	0.17	0.14	0.12
0.50	0.50	0.20	0.57	0.46	0.38	0.33	0.26	0.26	0.18	0.14	0.11
	0.30		0.48	0.40	0.34	0.30	0.24	0.20	0.17	0.13	0.11
	0.20		0.42	0.35	0.30	0.27	0.22	0.19	0.16	0.13	0.11
0.30	0.50	0.20	0.54	0.43	0.36	0.31	0.24	0.20	0.17	0.13	0.11
	0.30		0.46	0.38	0.32	0.28	0.22	0.18	0.16	0.12	0.10
	0.20		0.40	0.34	0.29	0.25	0.21	0.17	0.15	0.12	0.10
0.00	0.00	0.00	0.26	0.21	0.17	0.15	0.12	0.10	0.08	0.06	0.05

Rating:33W 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 = 0.75								
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	0.16	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.24
	0.30		0.12	0.14	0.15	0.16	0.18	0.20	0.20	0.22	0.23
	0.20		0.09	0.11	0.13	0.14	0.16	0.17	0.19	0.20	0.21
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.23
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	0.20
0.30	0.50	0.20	0.15	0.16	0.18	0.18	0.20	0.20	0.21	0.22	0.22
	0.30		0.11	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.09	0.11	0.12	0.13	0.15	0.17	0.18	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:33W 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	5935.2	5.7	5.7	0.24	0.24
1.0-2.0	5876.9	16.9	22.5	0.73	0.97
2.0-3.0	5762.3	27.6	50.1	1.19	2.16
3.0-4.0	5598.1	37.5	87.6	1.62	3.78
4.0-5.0	5387.9	46.4	133.9	2.00	5.78
5.0-6.0	5141.5	54.0	188.0	2.33	8.11
6.0-7.0	4870.2	60.5	248.4	2.61	10.71
7.0-8.0	4578.8	65.5	314.0	2.83	13.54
8.0-9.0	4276.7	69.3	383.3	2.99	16.53
9.0-10.0	3974.5	71.9	455.2	3.10	19.63
10.0-11.0	3678.9	73.5	528.8	3.17	22.80
11.0-12.0	3391.4	74.1	602.9	3.20	26.00
12.0-13.0	3116.0	74.0	676.9	3.19	29.19
13.0-14.0	2857.7	73.2	750.0	3.15	32.34
14.0-15.0	2613.9	71.8	821.8	3.09	35.43
15.0-16.0	2388.3	70.0	891.8	3.02	38.45
16.0-17.0	2182.1	68.0	959.7	2.93	41.38
17.0-18.0	1989.2	65.6	1025.3	2.83	44.21
18.0-19.0	1813.2	63.1	1088.4	2.72	46.93
19.0-20.0	1654.9	60.6	1149.0	2.61	49.54
20.0-21.0	1510.8	58.0	1207.0	2.50	52.04
21.0-22.0	1380.4	55.5	1262.5	2.39	54.44
22.0-23.0	1262.7	53.0	1315.5	2.28	56.72
23.0-24.0	1156.4	50.6	1366.1	2.18	58.90
24.0-25.0	1060.3	48.2	1414.3	2.08	60.98
25.0-26.0	974.2	46.0	1460.3	1.98	62.96
26.0-27.0	896.4	43.9	1504.1	1.89	64.86
27.0-28.0	824.8	41.8	1545.9	1.80	66.66
28.0-29.0	760.0	39.8	1585.7	1.71	68.37
29.0-30.0	701.4	37.9	1623.5	1.63	70.00
30.0-31.0	647.0	36.0	1659.5	1.55	71.56
31.0-32.0	597.3	34.2	1693.8	1.48	73.03
32.0-33.0	552.1	32.5	1726.3	1.40	74.43
33.0-34.0	510.4	30.9	1757.2	1.33	75.77
34.0-35.0	472.1	29.3	1786.5	1.26	77.03
35.0-36.0	437.1	27.8	1814.4	1.20	78.23

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	404.8	26.4	1840.8	1.14	79.37
37.0-38.0	374.8	25.0	1865.8	1.08	80.45
38.0-39.0	347.3	23.7	1889.5	1.02	81.47
39.0-40.0	322.1	22.5	1912.0	0.97	82.44
40.0-41.0	298.7	21.3	1933.2	0.92	83.36
41.0-42.0	277.2	20.1	1953.4	0.87	84.23
42.0-43.0	257.5	19.1	1972.4	0.82	85.05
43.0-44.0	239.2	18.1	1990.5	0.78	85.83
44.0-45.0	222.3	17.1	2007.6	0.74	86.56
45.0-46.0	206.7	16.2	2023.8	0.70	87.26
46.0-47.0	192.3	15.3	2039.1	0.66	87.92
47.0-48.0	179.1	14.5	2053.5	0.62	88.54
48.0-49.0	166.7	13.7	2067.2	0.59	89.13
49.0-50.0	155.2	12.9	2080.2	0.56	89.69
50.0-51.0	144.4	12.2	2092.4	0.53	90.22
51.0-52.0	134.3	11.5	2103.9	0.50	90.72
52.0-53.0	125.0	10.9	2114.8	0.47	91.19
53.0-54.0	116.2	10.2	2125.0	0.44	91.63
54.0-55.0	107.9	9.6	2134.7	0.42	92.04
55.0-56.0	100.0	9.0	2143.7	0.39	92.43
56.0-57.0	92.5	8.5	2152.2	0.36	92.80
57.0-58.0	85.5	7.9	2160.1	0.34	93.14
58.0-59.0	78.9	7.4	2167.4	0.32	93.46
59.0-60.0	72.4	6.8	2174.3	0.30	93.75
60.0-61.0	66.3	6.3	2180.6	0.27	94.02
61.0-62.0	60.7	5.8	2186.5	0.25	94.28
62.0-63.0	55.4	5.4	2191.9	0.23	94.51
63.0-64.0	50.4	4.9	2196.8	0.21	94.72
64.0-65.0	45.8	4.5	2201.3	0.20	94.92
65.0-66.0	41.5	4.1	2205.5	0.18	95.10
66.0-67.0	37.7	3.8	2209.3	0.16	95.26
67.0-68.0	34.3	3.5	2212.7	0.15	95.41
68.0-69.0	31.3	3.2	2215.9	0.14	95.55
69.0-70.0	28.5	2.9	2218.9	0.13	95.67
70.0-71.0	26.1	2.7	2221.6	0.12	95.79
71.0-72.0	23.9	2.5	2224.0	0.11	95.90

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	22.0	2.3	2226.3	0.10	96.00
73.0-74.0	20.2	2.1	2228.5	0.09	96.09
74.0-75.0	18.6	2.0	2230.4	0.08	96.17
75.0-76.0	17.2	1.8	2232.3	0.08	96.25
76.0-77.0	15.9	1.7	2234.0	0.07	96.32
77.0-78.0	14.6	1.6	2235.5	0.07	96.39
78.0-79.0	13.5	1.5	2237.0	0.06	96.45
79.0-80.0	12.5	1.3	2238.3	0.06	96.51
80.0-81.0	11.6	1.3	2239.6	0.05	96.57
81.0-82.0	10.9	1.2	2240.8	0.05	96.62
82.0-83.0	10.2	1.1	2241.9	0.05	96.66
83.0-84.0	9.7	1.1	2242.9	0.05	96.71
84.0-85.0	9.3	1.0	2243.9	0.04	96.75
85.0-86.0	9.0	1.0	2244.9	0.04	96.80
86.0-87.0	8.7	0.9	2245.9	0.04	96.84
87.0-88.0	8.4	0.9	2246.8	0.04	96.88
88.0-89.0	8.2	0.9	2247.7	0.04	96.92
89.0-90.0	8.0	0.9	2248.6	0.04	96.95
90.0-91.0	8.0	0.9	2249.4	0.04	96.99
91.0-92.0	8.0	0.9	2250.3	0.04	97.03
92.0-93.0	7.9	0.9	2251.2	0.04	97.07
93.0-94.0	7.9	0.9	2252.0	0.04	97.10
94.0-95.0	7.8	0.9	2252.9	0.04	97.14
95.0-96.0	7.8	0.9	2253.7	0.04	97.18
96.0-97.0	7.8	0.9	2254.6	0.04	97.21
97.0-98.0	7.8	0.9	2255.4	0.04	97.25
98.0-99.0	7.9	0.9	2256.3	0.04	97.29
99.0-100.0	7.9	0.9	2257.2	0.04	97.32
100.0-101.0	7.9	0.9	2258.0	0.04	97.36
101.0-102.0	7.9	0.9	2258.9	0.04	97.40
102.0-103.0	8.0	0.9	2259.7	0.04	97.43
103.0-104.0	8.0	0.9	2260.6	0.04	97.47
104.0-105.0	8.0	0.9	2261.4	0.04	97.51
105.0-106.0	8.1	0.9	2262.3	0.04	97.55
106.0-107.0	8.1	0.9	2263.1	0.04	97.58
107.0-108.0	8.2	0.9	2264.0	0.04	97.62

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	8.2	0.9	2264.8	0.04	97.66
109.0-110.0	8.3	0.9	2265.7	0.04	97.69
110.0-111.0	8.4	0.9	2266.6	0.04	97.73
111.0-112.0	8.4	0.9	2267.4	0.04	97.77
112.0-113.0	8.5	0.9	2268.3	0.04	97.80
113.0-114.0	8.6	0.9	2269.2	0.04	97.84
114.0-115.0	8.7	0.9	2270.0	0.04	97.88
115.0-116.0	8.8	0.9	2270.9	0.04	97.92
116.0-117.0	8.8	0.9	2271.8	0.04	97.95
117.0-118.0	8.9	0.9	2272.6	0.04	97.99
118.0-119.0	9.1	0.9	2273.5	0.04	98.03
119.0-120.0	9.2	0.9	2274.4	0.04	98.07
120.0-121.0	9.3	0.9	2275.3	0.04	98.11
121.0-122.0	9.4	0.9	2276.1	0.04	98.14
122.0-123.0	9.6	0.9	2277.0	0.04	98.18
123.0-124.0	9.7	0.9	2277.9	0.04	98.22
124.0-125.0	9.9	0.9	2278.8	0.04	98.26
125.0-126.0	10.1	0.9	2279.7	0.04	98.30
126.0-127.0	10.3	0.9	2280.6	0.04	98.34
127.0-128.0	10.4	0.9	2281.5	0.04	98.38
128.0-129.0	10.6	0.9	2282.4	0.04	98.41
129.0-130.0	10.8	0.9	2283.4	0.04	98.45
130.0-131.0	11.1	0.9	2284.3	0.04	98.49
131.0-132.0	11.3	0.9	2285.2	0.04	98.53
132.0-133.0	11.5	0.9	2286.1	0.04	98.57
133.0-134.0	11.8	0.9	2287.1	0.04	98.61
134.0-135.0	12.1	0.9	2288.0	0.04	98.66
135.0-136.0	12.4	1.0	2289.0	0.04	98.70
136.0-137.0	12.7	1.0	2289.9	0.04	98.74
137.0-138.0	12.9	1.0	2290.9	0.04	98.78
138.0-139.0	13.3	1.0	2291.9	0.04	98.82
139.0-140.0	13.6	1.0	2292.8	0.04	98.86
140.0-141.0	14.0	1.0	2293.8	0.04	98.90
141.0-142.0	14.3	1.0	2294.8	0.04	98.95
142.0-143.0	14.6	1.0	2295.8	0.04	98.99
143.0-144.0	15.0	1.0	2296.7	0.04	99.03

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	15.4	1.0	2297.7	0.04	99.07
145.0-146.0	15.7	1.0	2298.7	0.04	99.12
146.0-147.0	16.0	1.0	2299.7	0.04	99.16
147.0-148.0	16.4	1.0	2300.6	0.04	99.20
148.0-149.0	16.7	1.0	2301.6	0.04	99.24
149.0-150.0	17.1	1.0	2302.5	0.04	99.28
150.0-151.0	17.4	0.9	2303.5	0.04	99.32
151.0-152.0	17.7	0.9	2304.4	0.04	99.36
152.0-153.0	18.1	0.9	2305.3	0.04	99.40
153.0-154.0	18.4	0.9	2306.2	0.04	99.44
154.0-155.0	18.7	0.9	2307.1	0.04	99.48
155.0-156.0	19.0	0.9	2308.0	0.04	99.51
156.0-157.0	19.2	0.8	2308.8	0.04	99.55
157.0-158.0	19.5	0.8	2309.6	0.04	99.59
158.0-159.0	19.7	0.8	2310.4	0.03	99.62
159.0-160.0	20.0	0.8	2311.2	0.03	99.65
160.0-161.0	20.2	0.7	2311.9	0.03	99.69
161.0-162.0	20.4	0.7	2312.6	0.03	99.72
162.0-163.0	20.6	0.7	2313.3	0.03	99.75
163.0-164.0	20.8	0.6	2313.9	0.03	99.77
164.0-165.0	20.9	0.6	2314.6	0.03	99.80
165.0-166.0	21.1	0.6	2315.1	0.02	99.82
166.0-167.0	21.3	0.5	2315.7	0.02	99.85
167.0-168.0	21.4	0.5	2316.2	0.02	99.87
168.0-169.0	21.6	0.5	2316.7	0.02	99.89
169.0-170.0	21.8	0.4	2317.1	0.02	99.91
170.0-171.0	21.9	0.4	2317.5	0.02	99.93
171.0-172.0	22.0	0.4	2317.9	0.02	99.94
172.0-173.0	22.1	0.3	2318.2	0.01	99.95
173.0-174.0	22.2	0.3	2318.4	0.01	99.97
174.0-175.0	22.2	0.2	2318.7	0.01	99.98
175.0-176.0	22.3	0.2	2318.9	0.01	99.99
176.0-177.0	22.4	0.1	2319.0	0.01	99.99
177.0-178.0	22.4	0.1	2319.1	0.00	100.00
178.0-179.0	22.5	0.1	2319.2	0.00	100.00
179.0-180.0	22.6	0.0	2319.2	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: