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

Report No.: 20230921 **Test Time: 2023/9/22 15:35**

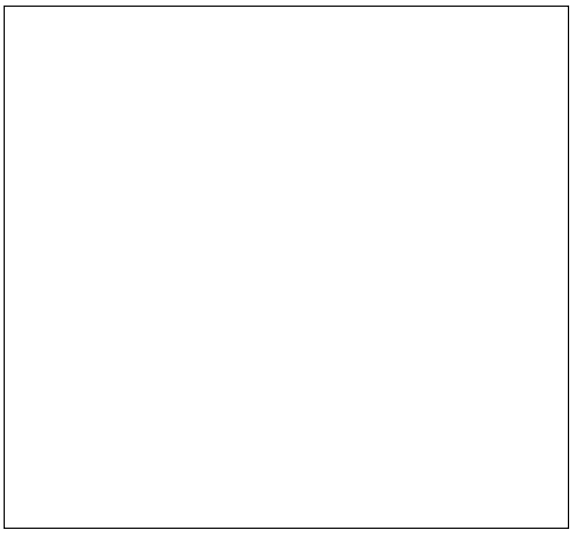
Luminaire Property

Luminaire Manufacturer: Acolyte
Luminaire Category: Neon
Luminaire Description: LED Nano flex SW 5.48 3000K IP67
Lamp Catalog: Lens BA 15 degree **Luminous Length (mm): 1000**
Luminous Width (mm): 18 **Luminous Height (mm): 18**
Voltage: 24.0 V **Current: 0.752 A**
Power: 18.05 W **Power Factor: 1.000**

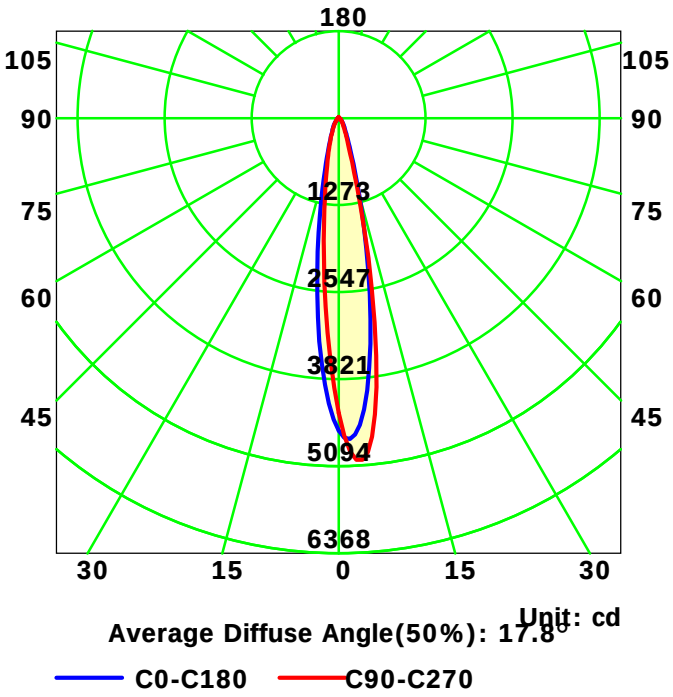
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 963.2 lm**
Measurement Flux: 963.2 lm **Efficiency: 100%**
Downward Ratio: 94% **Upward Ratio: 6%**
Horizontal Diffuse Angle(10%,50%): H39.9,H18.7
Vertical Diffuse Angle(10%,50%): V37.4,V16.9
Luminaire Efficacy Rating (LER): 53 **Central Intensity: 4572.77 cd**
Max. Intensity: 5013.28 cd **Pos of Max. Intensity: H90 V4**

Picture Of Luminaire



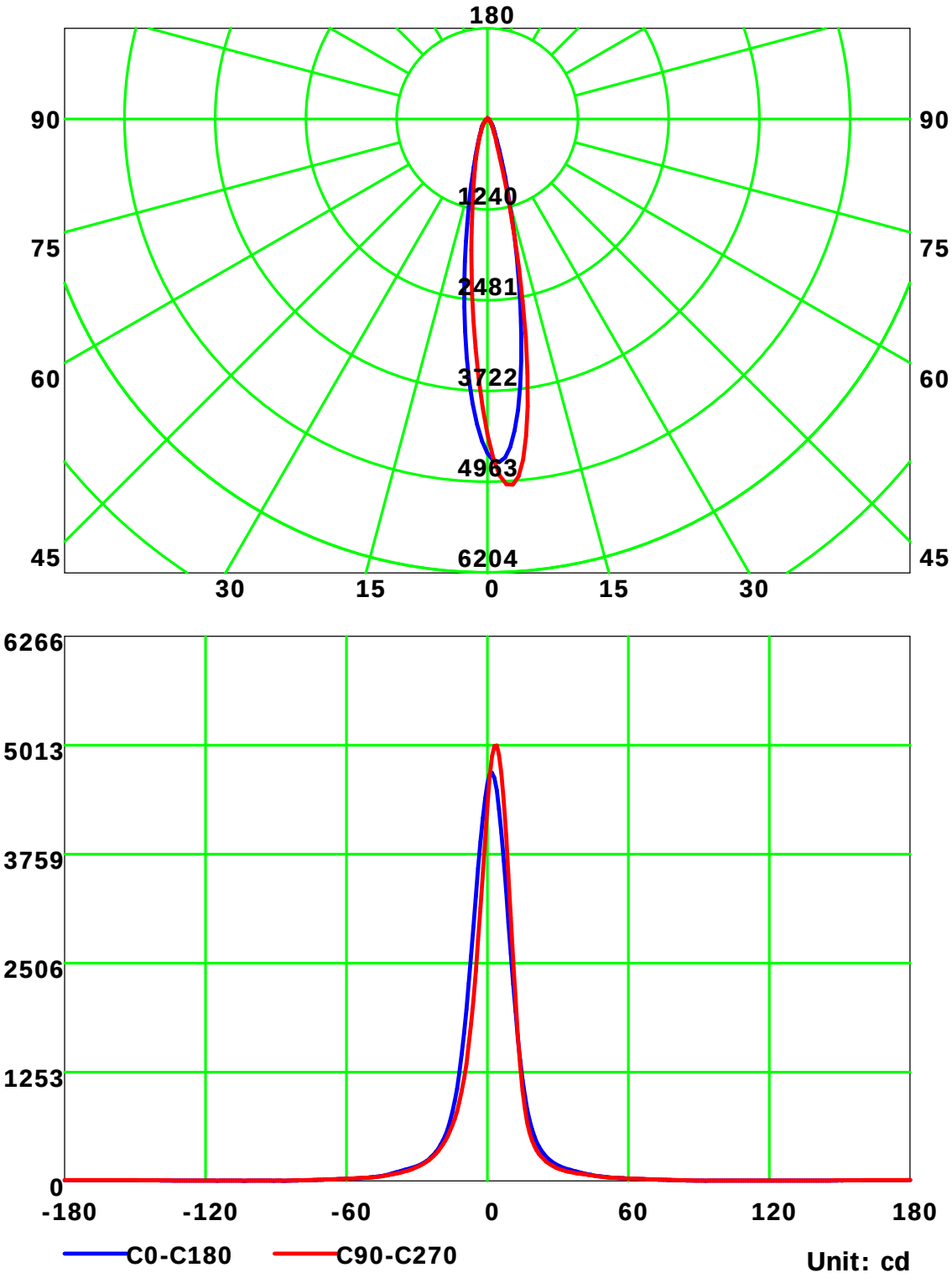
Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 17.8°

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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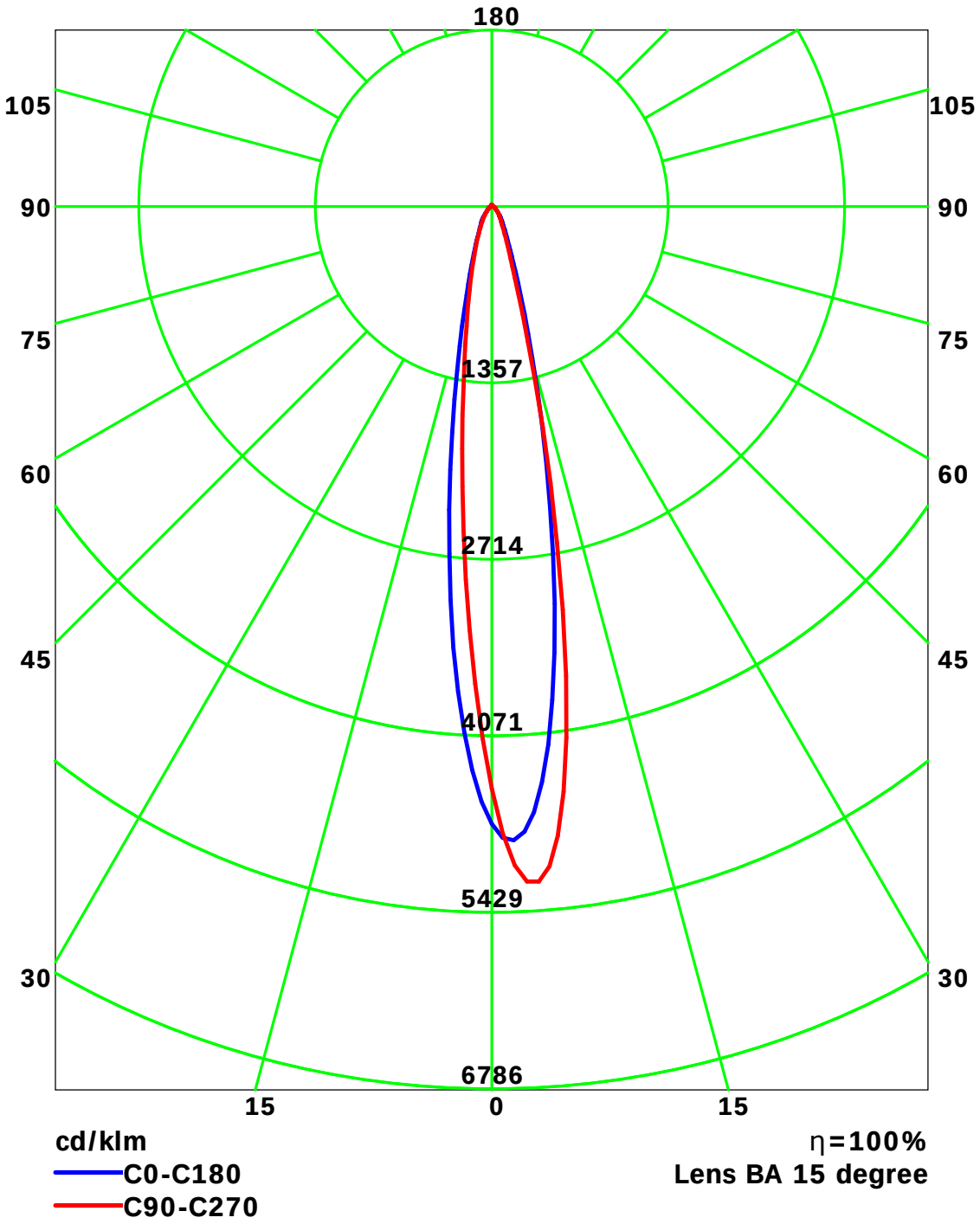
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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

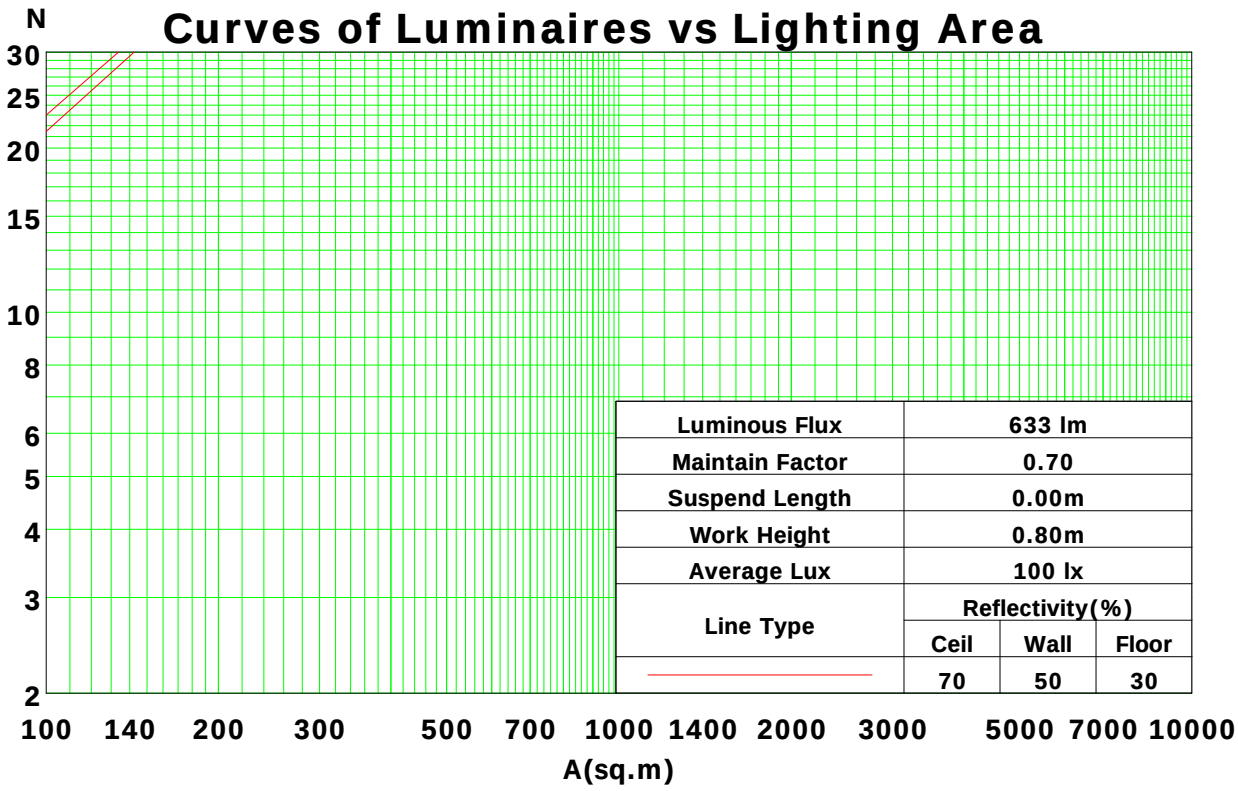
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	112	109	106	104	109	106	104	102	101	99	98	96	95	94	92	91	90	88
2	106	102	98	94	104	99	96	93	95	92	90	91	89	87	88	86	84	82
3	102	95	91	87	99	94	89	86	90	87	84	87	84	82	84	82	80	78
4	97	90	85	81	95	89	84	80	86	82	79	83	80	77	81	78	76	74
5	93	86	80	76	91	84	79	76	82	78	75	80	76	73	78	75	72	71
6	90	82	76	72	88	81	76	72	79	74	71	77	73	70	75	72	69	68
7	87	78	73	69	85	77	72	69	76	71	68	74	70	67	73	69	67	65
8	84	75	70	66	82	74	70	66	73	69	66	72	68	65	70	67	64	63
9	81	73	67	64	80	72	67	64	71	66	63	69	66	63	68	65	62	61
10	78	70	65	62	77	69	65	62	68	64	61	67	63	61	66	63	60	59

Spacing Criteria (0-180): 0.33
Spacing Criteria (90-270): 0.34
Spacing Criteria (Diagonal): 0.34

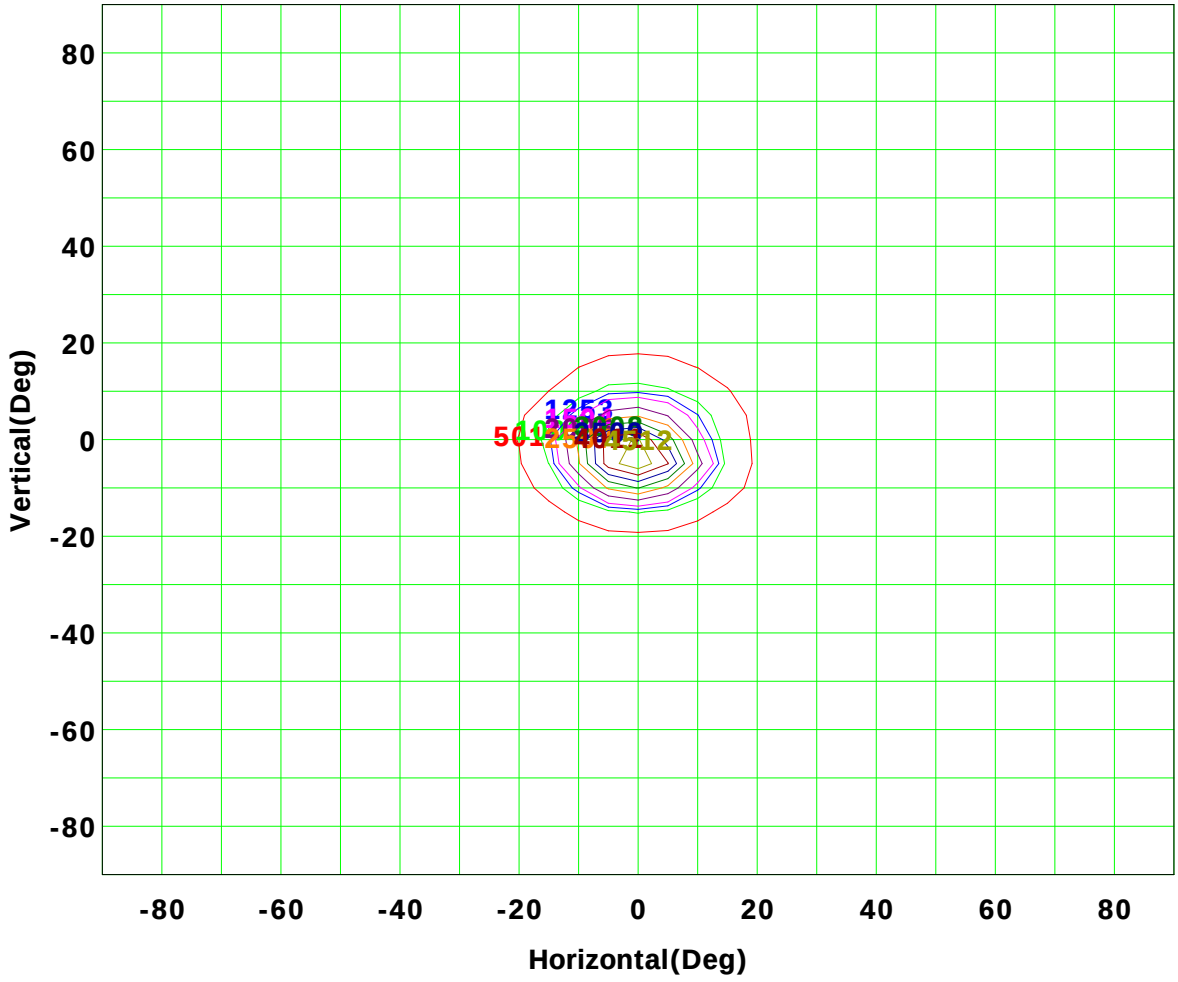
Curves of Luminaires vs Lighting Area



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)



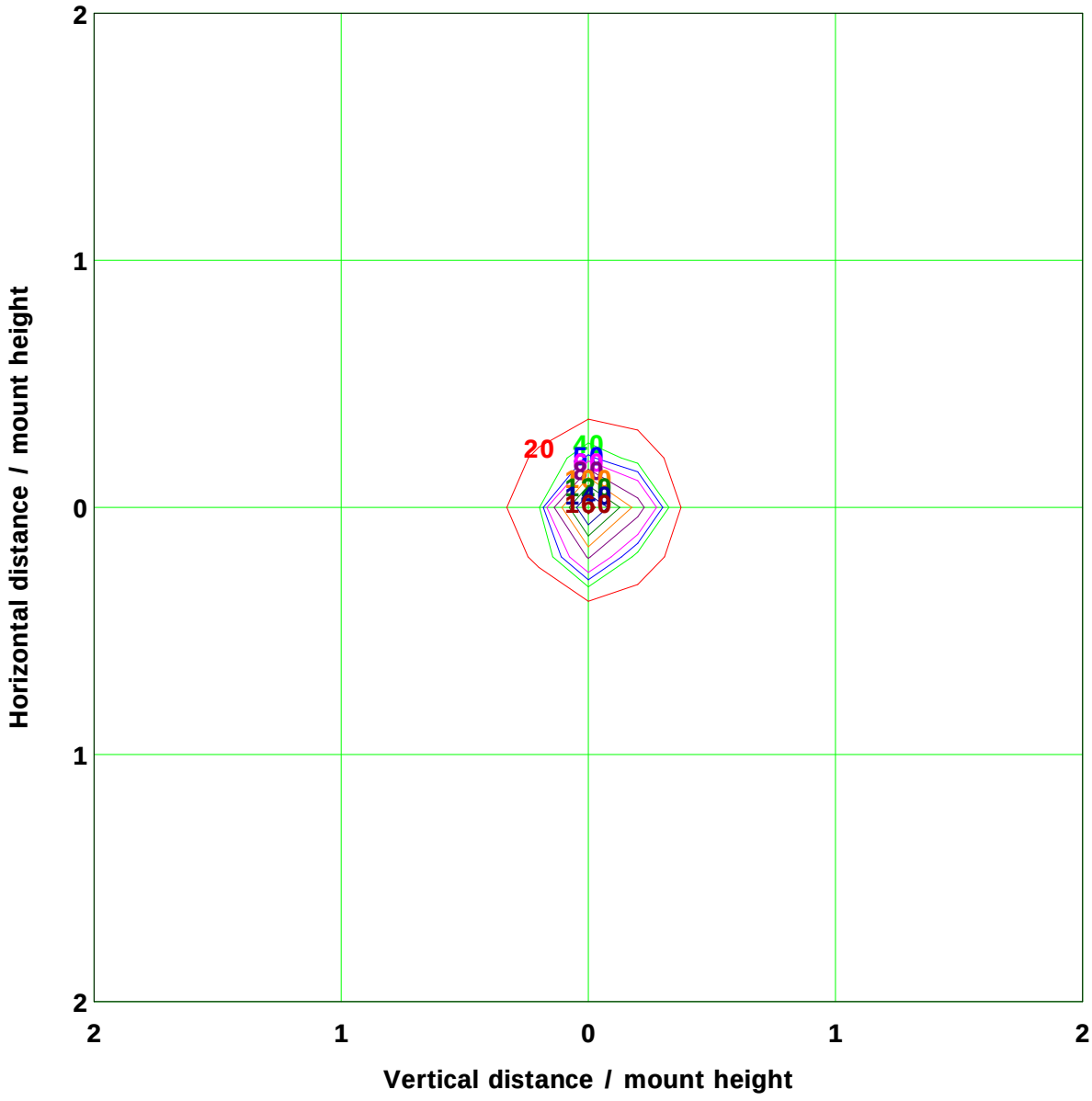
Imax (100%): 5013 cd

(10%): 501 cd	(20%): 1003 cd
(25%): 1253 cd	(30%): 1504 cd
(40%): 2005 cd	(50%): 2507 cd
(60%): 3008 cd	(70%): 3509 cd
(80%): 4011 cd	(90%): 4512 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%): 199.4 lx

(10%): 19.9 lx	(20%): 39.9 lx
(25%): 49.9 lx	(30%): 59.8 lx
(40%): 79.8 lx	(50%): 99.7 lx
(60%): 119.7 lx	(70%): 139.6 lx
(80%): 159.6 lx	(90%): 179.5 lx

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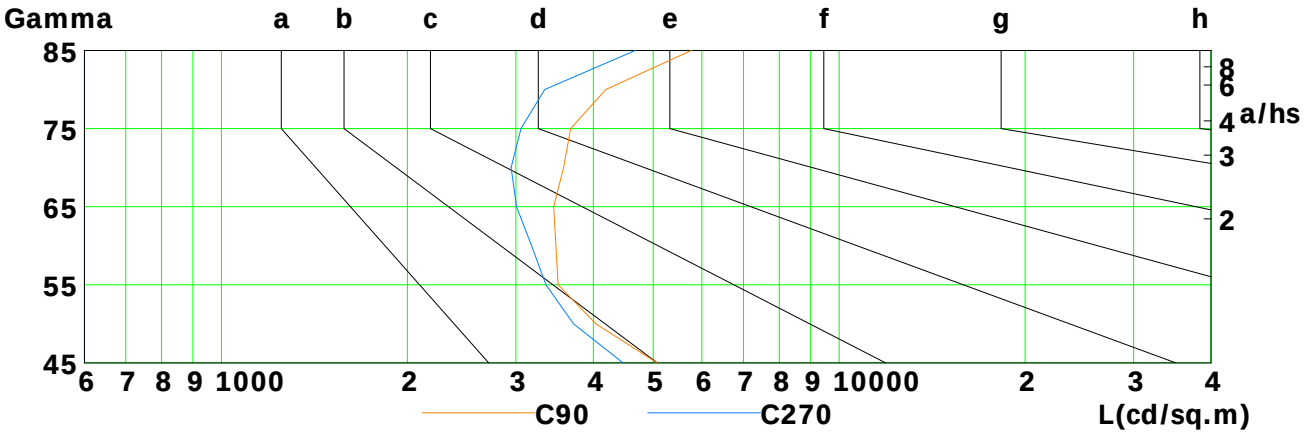
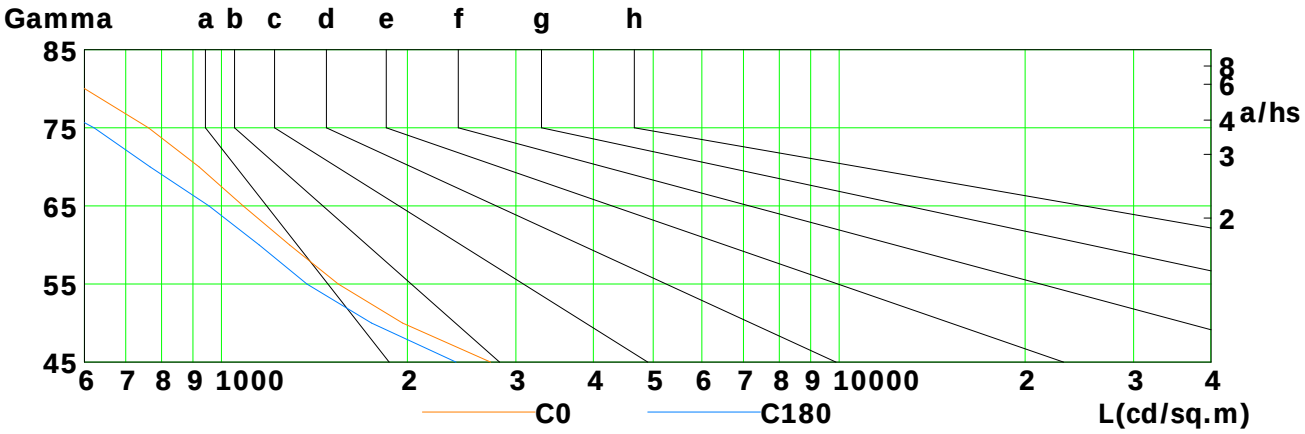
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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



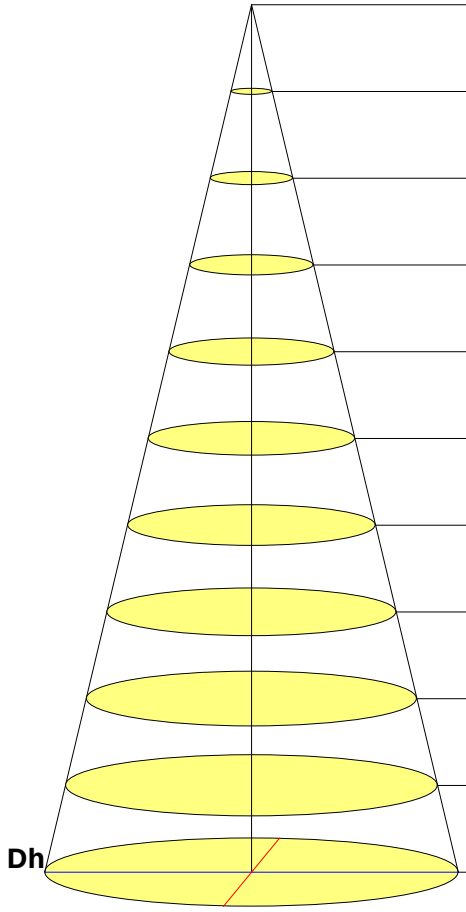


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2728	1965	1547	1289	1085	920	763	601	454
C90	5074	4042	3508	3479	3452	3583	3677	4195	5768
C180	2398	1750	1376	1151	955	767	622	474	333
C270	4472	3717	3355	3178	3005	2944	3055	3338	4679

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



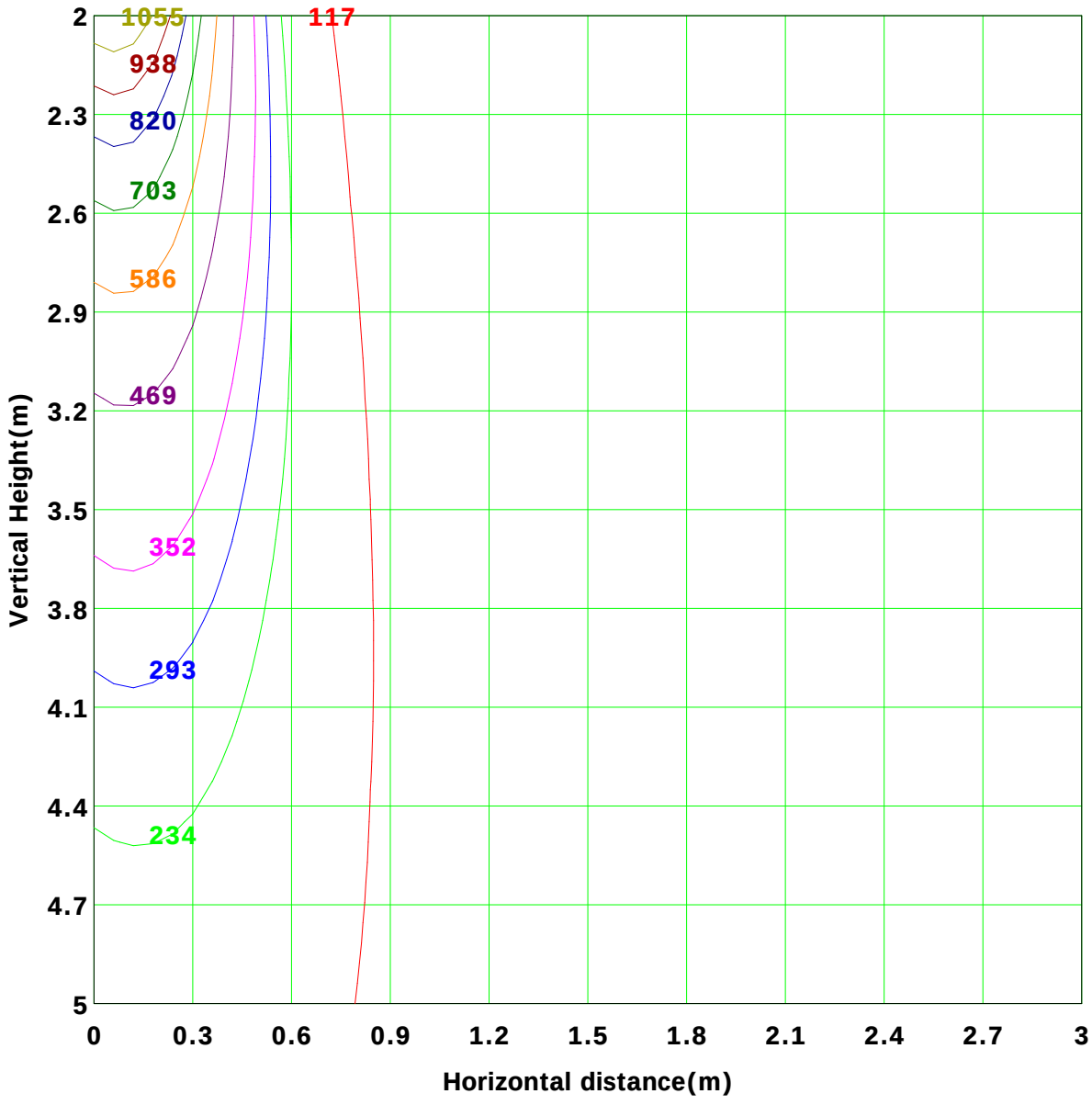
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	4572.77	0.33/0.30	0.1	3270.05
2.0	1143.19	0.66/0.59	0.3	817.51
3.0	508.09	0.99/0.89	0.7	363.34
4.0	285.80	1.32/1.19	1.3	204.38
5.0	182.91	1.65/1.48	2.0	130.80
6.0	127.02	1.98/1.78	2.9	90.83
7.0	93.32	2.31/2.07	4.0	66.74
8.0	71.45	2.64/2.37	5.2	51.09
9.0	56.45	2.97/2.67	6.6	40.37
10.0	45.73	3.30/2.96	8.1	32.70

Beam Angle(B): H18.7 V16.9 Field Angle(F): H39.9 V37.4

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: 1171.9 lx

(10%): 117.2 lx	(20%): 234.4 lx
(25%): 293.0 lx	(30%): 351.6 lx
(40%): 468.8 lx	(50%): 585.9 lx
(60%): 703.1 lx	(70%): 820.3 lx
(80%): 937.5 lx	(90%):1054.7 lx

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Area Flux Table

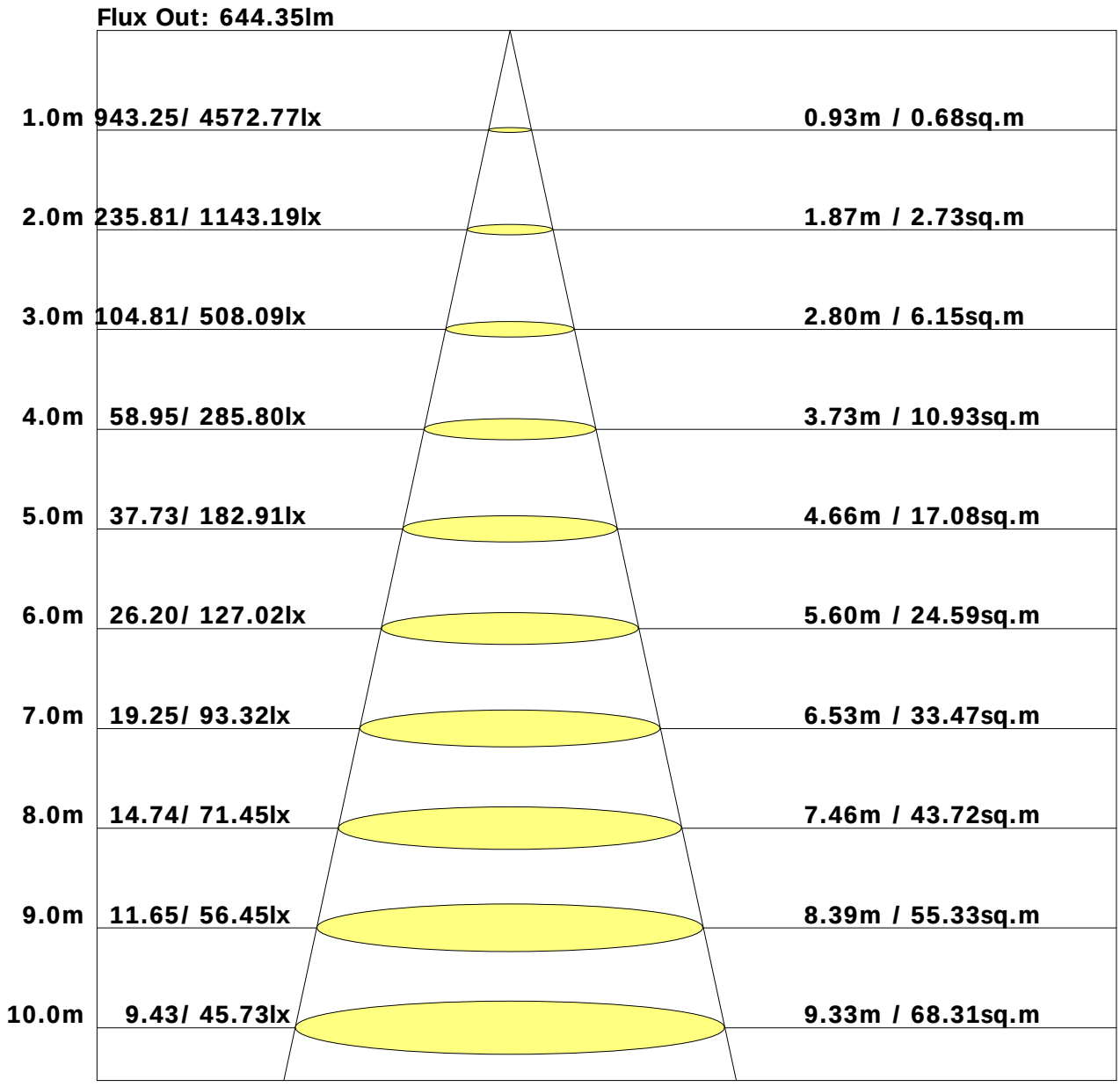
Unit: lm

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	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0		2.9	0.0
-80	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0		4.4	0.0
-70	0.0	0.1	0.1	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0		6.6	0.0
-60	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.3	0.2	0.1	0.0		9.6	0.0
-50	0.0	0.1	0.2	0.4	0.6	0.9	1.3	1.6	1.8	1.8	1.6	1.3	1.0	0.7	0.4	0.2	0.1	0.0		14.1	0.0
-40	0.0	0.1	0.2	0.5	0.8	1.3	2.1	3.0	3.5	3.5	2.9	2.0	1.3	0.8	0.5	0.3	0.1	0.0		23.0	0.0
-30	0.0	0.1	0.3	0.5	1.0	2.0	3.6	5.6	7.4	7.3	5.3	3.3	1.8	1.0	0.6	0.3	0.1	0.0		40.2	0.0
-20	0.0	0.1	0.3	0.6	1.2	2.8	5.5	11.3	19.0	19.5	10.9	5.0	2.6	1.3	0.6	0.3	0.1	0.0		81.0	34.7
-10	0.0	0.1	0.3	0.6	1.4	3.3	7.1	21.6	60.7	68.8	26.0	7.5	3.2	1.5	0.7	0.3	0.1	0.0		203.2	171.5
0	0.0	0.1	0.3	0.6	1.4	3.3	7.3	28.0	105.9	113.9	32.9	7.6	3.2	1.5	0.7	0.3	0.1	0.0		307.2	277.5
10	0.0	0.1	0.3	0.6	1.3	2.8	5.5	13.1	31.5	32.7	12.7	5.1	2.7	1.3	0.7	0.3	0.1	0.0		110.8	70.1
20	0.0	0.1	0.3	0.6	1.1	2.1	3.4	5.2	7.1	7.0	5.1	3.3	2.1	1.1	0.6	0.3	0.1	0.0		39.5	0.0
30	0.0	0.1	0.3	0.5	0.9	1.4	2.2	2.9	3.3	3.3	2.8	2.2	1.5	0.9	0.5	0.3	0.1	0.0		23.2	0.0
40	0.0	0.1	0.2	0.5	0.7	1.0	1.3	1.7	2.0	2.0	1.8	1.4	1.0	0.7	0.5	0.3	0.1	0.0		15.3	0.0
50	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.0		10.5	0.0
60	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.0		7.8	0.0
70	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.0		5.4	0.0
80	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0		3.5	0.0
90																					
Flux(T)	0.3	1.6	3.8	7.3	13.2	24.5	43.8	99.0	247.5	265.1	107.0	43.2	24.0	13.7	7.8	4.2	1.8	0.4		908	
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.7	209.9	227.9	63.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0			554

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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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	10.4	11.4	10.9	11.9	12.3	8.7	9.7	9.2	10.2	10.6
3H	12.2	13.1	12.7	13.6	14.1	10.2	11.1	10.7	11.6	12.1
4H	13.1	13.9	13.6	14.4	14.9	10.8	11.7	11.3	12.1	12.7
6H	13.8	14.6	14.3	15.1	15.6	11.3	12.1	11.8	12.6	13.1
8H	14.2	14.9	14.7	15.4	16.0	11.5	12.2	12.0	12.7	13.3
12H	14.6	15.3	15.1	15.8	16.3	11.7	12.4	12.2	12.9	13.4
X=4H Y=2H	10.6	11.5	11.2	12.0	12.5	9.3	10.2	9.8	10.6	11.2
3H	12.6	13.3	13.1	13.8	14.4	11.0	11.7	11.6	12.3	12.8
4H	13.6	14.2	14.1	14.7	15.3	11.7	12.4	12.3	12.9	13.5
6H	14.5	15.0	15.0	15.5	16.1	12.4	12.9	12.9	13.4	14.0
8H	14.9	15.4	15.4	15.9	16.5	12.6	13.1	13.2	13.6	14.2
12H	15.3	15.8	15.9	16.3	16.9	12.8	13.3	13.4	13.8	14.4
X=8H Y=4H	13.6	14.2	14.2	14.7	15.3	12.1	12.6	12.6	13.1	13.7
6H	14.6	15.1	15.2	15.6	16.3	12.8	13.2	13.4	13.8	14.4
8H	15.2	15.5	15.8	16.1	16.7	13.1	13.5	13.8	14.1	14.7
12H	15.7	16.0	16.3	16.6	17.3	13.5	13.8	14.1	14.4	15.1
X=12H Y=4H	13.6	14.1	14.2	14.6	15.2	12.1	12.5	12.7	13.1	13.7
6H	14.6	15.0	15.3	15.6	16.2	12.9	13.3	13.5	13.8	14.5
8H	15.2	15.5	15.8	16.1	16.8	13.3	13.6	13.9	14.2	14.9

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
Test Lab:
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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 = 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	0.94	0.97	1.01	1.04	1.06	1.09	1.10
	0.30		0.79	0.85	0.90	0.93	0.98	1.01	1.03	1.06	1.08
	0.20		0.76	0.82	0.86	0.89	0.94	0.98	1.00	1.04	1.06
0.50	0.50	0.20	0.82	0.88	0.91	0.94	0.98	1.00	1.02	1.04	1.05
	0.30		0.78	0.84	0.87	0.90	0.94	0.97	0.99	1.02	1.03
	0.20		0.75	0.81	0.84	0.87	0.92	0.95	0.97	1.00	1.02
0.30	0.50	0.20	0.80	0.85	0.89	0.91	0.94	0.96	0.97	0.99	1.00
	0.30		0.77	0.82	0.85	0.88	0.92	0.94	0.95	0.98	0.99
	0.20		0.74	0.79	0.83	0.86	0.89	0.92	0.94	0.96	0.98
0.00	0.00	0.00	0.72	0.77	0.80	0.82	0.85	0.87	0.89	0.91	0.92

Rating:18W 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
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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:

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	0.43	0.37	0.30	0.25	0.21	0.17	0.14
	0.30		0.51	0.43	0.37	0.33	0.27	0.23	0.20	0.16	0.13
	0.20		0.44	0.38	0.33	0.30	0.25	0.21	0.19	0.15	0.12
0.50	0.50	0.20	0.57	0.47	0.40	0.34	0.27	0.27	0.20	0.15	0.12
	0.30		0.48	0.40	0.35	0.31	0.25	0.21	0.18	0.14	0.12
	0.20		0.42	0.36	0.31	0.28	0.23	0.20	0.17	0.14	0.11
0.30	0.50	0.20	0.53	0.43	0.37	0.32	0.25	0.21	0.18	0.14	0.11
	0.30		0.46	0.38	0.33	0.29	0.23	0.19	0.17	0.13	0.11
	0.20		0.40	0.34	0.30	0.26	0.21	0.18	0.16	0.13	0.10
0.00	0.00	0.00	0.26	0.21	0.18	0.16	0.12	0.10	0.09	0.07	0.06

Rating:18W 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	0.19	0.20	0.22	0.23	0.24	0.25	0.25	0.26	0.27
	0.30		0.15	0.16	0.18	0.19	0.21	0.22	0.23	0.24	0.25
	0.20		0.12	0.13	0.15	0.16	0.18	0.20	0.21	0.23	0.24
0.50	0.50	0.20	0.18	0.20	0.21	0.22	0.23	0.24	0.24	0.25	0.26
	0.30		0.14	0.16	0.18	0.19	0.20	0.21	0.22	0.24	0.24
	0.20		0.11	0.13	0.15	0.16	0.18	0.19	0.21	0.22	0.23
0.30	0.50	0.20	0.18	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.25
	0.30		0.14	0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.23
	0.20		0.11	0.13	0.15	0.16	0.18	0.19	0.20	0.21	0.22
0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

Rating:18W 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	4426.1	4.2	4.2	0.44	0.44
1.0-2.0	4365.0	12.5	16.8	1.30	1.74
2.0-3.0	4243.1	20.3	37.1	2.11	3.85
3.0-4.0	4068.1	27.2	64.3	2.83	6.68
4.0-5.0	3845.9	33.1	97.4	3.44	10.11
5.0-6.0	3582.9	37.7	135.0	3.91	14.02
6.0-7.0	3288.9	40.8	175.9	4.24	18.26
7.0-8.0	2976.5	42.6	218.5	4.42	22.68
8.0-9.0	2651.8	43.0	261.5	4.46	27.15
9.0-10.0	2325.7	42.1	303.6	4.37	31.52
10.0-11.0	2008.3	40.1	343.7	4.17	35.68
11.0-12.0	1709.6	37.4	381.1	3.88	39.56
12.0-13.0	1440.7	34.2	415.3	3.55	43.11
13.0-14.0	1206.3	30.9	446.1	3.21	46.32
14.0-15.0	1007.3	27.7	473.8	2.87	49.19
15.0-16.0	843.4	24.7	498.5	2.57	51.76
16.0-17.0	713.6	22.2	520.7	2.31	54.07
17.0-18.0	609.9	20.1	540.9	2.09	56.15
18.0-19.0	526.8	18.3	559.2	1.90	58.06
19.0-20.0	459.9	16.8	576.0	1.75	59.80
20.0-21.0	405.5	15.6	591.6	1.62	61.42
21.0-22.0	360.5	14.5	606.1	1.50	62.93
22.0-23.0	323.0	13.6	619.6	1.41	64.33
23.0-24.0	291.2	12.7	632.4	1.32	65.66
24.0-25.0	263.4	12.0	644.3	1.24	66.90
25.0-26.0	239.7	11.3	655.7	1.18	68.07
26.0-27.0	219.4	10.7	666.4	1.11	69.19
27.0-28.0	201.4	10.2	676.6	1.06	70.25
28.0-29.0	185.8	9.7	686.3	1.01	71.26
29.0-30.0	172.1	9.3	695.6	0.97	72.22
30.0-31.0	160.1	8.9	704.5	0.92	73.15
31.0-32.0	149.4	8.6	713.1	0.89	74.04
32.0-33.0	139.9	8.2	721.3	0.86	74.89
33.0-34.0	131.4	8.0	729.3	0.83	75.72
34.0-35.0	123.5	7.7	737.0	0.80	76.51
35.0-36.0	116.4	7.4	744.4	0.77	77.28

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	109.6	7.2	751.5	0.74	78.03
37.0-38.0	103.3	6.9	758.4	0.72	78.74
38.0-39.0	97.3	6.6	765.1	0.69	79.43
39.0-40.0	91.5	6.4	771.4	0.66	80.09
40.0-41.0	86.0	6.1	777.6	0.64	80.73
41.0-42.0	80.7	5.9	783.4	0.61	81.34
42.0-43.0	75.7	5.6	789.0	0.58	81.92
43.0-44.0	71.0	5.4	794.4	0.56	82.48
44.0-45.0	66.4	5.1	799.5	0.53	83.01
45.0-46.0	62.2	4.9	804.4	0.51	83.51
46.0-47.0	58.4	4.6	809.0	0.48	83.99
47.0-48.0	54.9	4.4	813.4	0.46	84.45
48.0-49.0	51.7	4.2	817.7	0.44	84.89
49.0-50.0	48.7	4.1	821.7	0.42	85.32
50.0-51.0	46.2	3.9	825.6	0.41	85.72
51.0-52.0	43.9	3.8	829.4	0.39	86.11
52.0-53.0	41.9	3.6	833.1	0.38	86.49
53.0-54.0	40.1	3.5	836.6	0.37	86.86
54.0-55.0	38.5	3.4	840.0	0.36	87.22
55.0-56.0	37.0	3.3	843.4	0.35	87.56
56.0-57.0	35.7	3.3	846.6	0.34	87.90
57.0-58.0	34.4	3.2	849.8	0.33	88.23
58.0-59.0	33.2	3.1	852.9	0.32	88.55
59.0-60.0	31.9	3.0	855.9	0.31	88.87
60.0-61.0	30.7	2.9	858.9	0.30	89.17
61.0-62.0	29.6	2.9	861.7	0.30	89.47
62.0-63.0	28.4	2.8	864.5	0.29	89.76
63.0-64.0	27.4	2.7	867.2	0.28	90.03
64.0-65.0	26.3	2.6	869.8	0.27	90.30
65.0-66.0	25.2	2.5	872.3	0.26	90.57
66.0-67.0	24.2	2.4	874.7	0.25	90.82
67.0-68.0	23.2	2.3	877.1	0.24	91.06
68.0-69.0	22.2	2.3	879.3	0.23	91.30
69.0-70.0	21.2	2.2	881.5	0.23	91.52
70.0-71.0	20.2	2.1	883.6	0.22	91.74
71.0-72.0	19.3	2.0	885.6	0.21	91.95

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	18.4	1.9	887.5	0.20	92.15
73.0-74.0	17.5	1.8	889.4	0.19	92.34
74.0-75.0	16.6	1.8	891.1	0.18	92.52
75.0-76.0	15.8	1.7	892.8	0.17	92.69
76.0-77.0	14.9	1.6	894.4	0.17	92.86
77.0-78.0	14.2	1.5	895.9	0.16	93.02
78.0-79.0	13.4	1.4	897.3	0.15	93.17
79.0-80.0	12.6	1.4	898.7	0.14	93.31
80.0-81.0	11.9	1.3	900.0	0.13	93.44
81.0-82.0	11.2	1.2	901.2	0.13	93.57
82.0-83.0	10.6	1.2	902.4	0.12	93.69
83.0-84.0	10.0	1.1	903.5	0.11	93.80
84.0-85.0	9.4	1.0	904.5	0.11	93.91
85.0-86.0	8.9	1.0	905.5	0.10	94.01
86.0-87.0	8.4	0.9	906.4	0.10	94.10
87.0-88.0	8.1	0.9	907.3	0.09	94.20
88.0-89.0	7.9	0.9	908.1	0.09	94.29
89.0-90.0	7.7	0.8	909.0	0.09	94.37
90.0-91.0	7.6	0.8	909.8	0.09	94.46
91.0-92.0	7.4	0.8	910.6	0.08	94.55
92.0-93.0	7.3	0.8	911.4	0.08	94.63
93.0-94.0	7.3	0.8	912.2	0.08	94.71
94.0-95.0	7.3	0.8	913.0	0.08	94.79
95.0-96.0	7.3	0.8	913.8	0.08	94.88
96.0-97.0	7.4	0.8	914.6	0.08	94.96
97.0-98.0	7.4	0.8	915.4	0.08	95.04
98.0-99.0	7.4	0.8	916.2	0.08	95.13
99.0-100.0	7.4	0.8	917.0	0.08	95.21
100.0-101.0	7.4	0.8	917.8	0.08	95.29
101.0-102.0	7.4	0.8	918.6	0.08	95.38
102.0-103.0	7.5	0.8	919.4	0.08	95.46
103.0-104.0	7.4	0.8	920.2	0.08	95.54
104.0-105.0	7.4	0.8	921.0	0.08	95.62
105.0-106.0	7.4	0.8	921.8	0.08	95.70
106.0-107.0	7.4	0.8	922.6	0.08	95.78
107.0-108.0	7.4	0.8	923.3	0.08	95.87

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	7.5	0.8	924.1	0.08	95.95
109.0-110.0	7.5	0.8	924.9	0.08	96.03
110.0-111.0	7.5	0.8	925.7	0.08	96.11
111.0-112.0	7.5	0.8	926.4	0.08	96.19
112.0-113.0	7.5	0.8	927.2	0.08	96.26
113.0-114.0	7.5	0.8	927.9	0.08	96.34
114.0-115.0	7.5	0.7	928.7	0.08	96.42
115.0-116.0	7.5	0.7	929.4	0.08	96.50
116.0-117.0	7.6	0.7	930.2	0.08	96.57
117.0-118.0	7.6	0.7	930.9	0.08	96.65
118.0-119.0	7.6	0.7	931.7	0.08	96.73
119.0-120.0	7.7	0.7	932.4	0.08	96.80
120.0-121.0	7.7	0.7	933.1	0.08	96.88
121.0-122.0	7.7	0.7	933.8	0.08	96.95
122.0-123.0	7.8	0.7	934.6	0.07	97.03
123.0-124.0	7.8	0.7	935.3	0.07	97.10
124.0-125.0	7.8	0.7	936.0	0.07	97.18
125.0-126.0	7.9	0.7	936.7	0.07	97.25
126.0-127.0	8.0	0.7	937.4	0.07	97.32
127.0-128.0	8.1	0.7	938.1	0.07	97.40
128.0-129.0	8.2	0.7	938.8	0.07	97.47
129.0-130.0	8.2	0.7	939.5	0.07	97.54
130.0-131.0	8.3	0.7	940.2	0.07	97.61
131.0-132.0	8.4	0.7	940.9	0.07	97.68
132.0-133.0	8.5	0.7	941.6	0.07	97.76
133.0-134.0	8.6	0.7	942.2	0.07	97.83
134.0-135.0	8.8	0.7	942.9	0.07	97.90
135.0-136.0	8.9	0.7	943.6	0.07	97.97
136.0-137.0	9.0	0.7	944.3	0.07	98.04
137.0-138.0	9.2	0.7	945.0	0.07	98.11
138.0-139.0	9.3	0.7	945.7	0.07	98.18
139.0-140.0	9.5	0.7	946.3	0.07	98.25
140.0-141.0	9.6	0.7	947.0	0.07	98.32
141.0-142.0	9.8	0.7	947.7	0.07	98.39
142.0-143.0	9.9	0.7	948.3	0.07	98.46
143.0-144.0	10.1	0.7	949.0	0.07	98.53

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	10.3	0.7	949.6	0.07	98.60
145.0-146.0	10.4	0.6	950.3	0.07	98.66
146.0-147.0	10.6	0.6	950.9	0.07	98.73
147.0-148.0	10.7	0.6	951.6	0.07	98.79
148.0-149.0	10.9	0.6	952.2	0.06	98.86
149.0-150.0	11.1	0.6	952.8	0.06	98.92
150.0-151.0	11.2	0.6	953.4	0.06	98.99
151.0-152.0	11.4	0.6	954.0	0.06	99.05
152.0-153.0	11.5	0.6	954.6	0.06	99.11
153.0-154.0	11.6	0.6	955.2	0.06	99.17
154.0-155.0	11.8	0.6	955.7	0.06	99.23
155.0-156.0	12.0	0.5	956.3	0.06	99.28
156.0-157.0	12.1	0.5	956.8	0.05	99.34
157.0-158.0	12.2	0.5	957.3	0.05	99.39
158.0-159.0	12.3	0.5	957.8	0.05	99.44
159.0-160.0	12.5	0.5	958.3	0.05	99.49
160.0-161.0	12.6	0.5	958.7	0.05	99.54
161.0-162.0	12.7	0.4	959.2	0.05	99.59
162.0-163.0	12.7	0.4	959.6	0.04	99.63
163.0-164.0	12.8	0.4	960.0	0.04	99.67
164.0-165.0	12.9	0.4	960.4	0.04	99.71
165.0-166.0	13.0	0.4	960.7	0.04	99.75
166.0-167.0	13.0	0.3	961.1	0.03	99.78
167.0-168.0	13.0	0.3	961.4	0.03	99.81
168.0-169.0	13.1	0.3	961.7	0.03	99.84
169.0-170.0	13.1	0.3	961.9	0.03	99.87
170.0-171.0	13.1	0.2	962.2	0.02	99.89
171.0-172.0	13.1	0.2	962.4	0.02	99.92
172.0-173.0	13.1	0.2	962.6	0.02	99.94
173.0-174.0	13.1	0.2	962.7	0.02	99.95
174.0-175.0	13.1	0.1	962.9	0.01	99.97
175.0-176.0	13.2	0.1	963.0	0.01	99.98
176.0-177.0	13.1	0.1	963.1	0.01	99.99
177.0-178.0	13.2	0.1	963.1	0.01	99.99
178.0-179.0	13.2	0.0	963.2	0.00	100.00
179.0-180.0	13.2	0.0	963.2	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: