GENLED Brands
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Report No.: **Test Time: 2021/2/4 17:26**

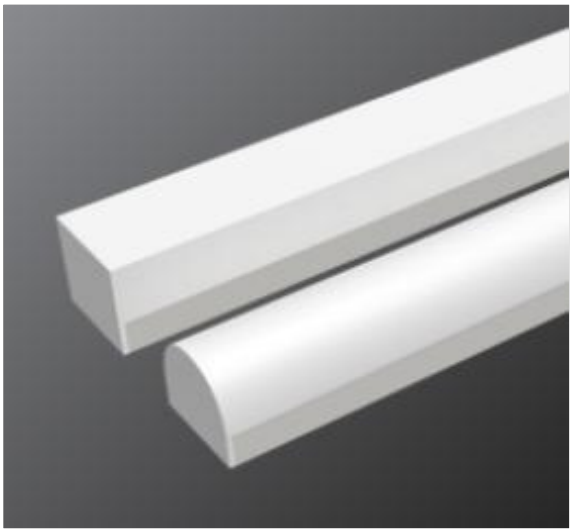
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAS13RMRB90SWS2203.030
Lamp Catalog: RIBBONLYTE **Lamp Description: RB90SWS2203.030**
Number of Lamps: 2 ROWS **Luminous Length (mm): 500**
Luminous Width (mm): 33.4 **Luminous Height (mm): 34.5**
Voltage: 24.0 V **Current: 0.432 A**
Power: 10.36 W **Power Factor: 1.000**

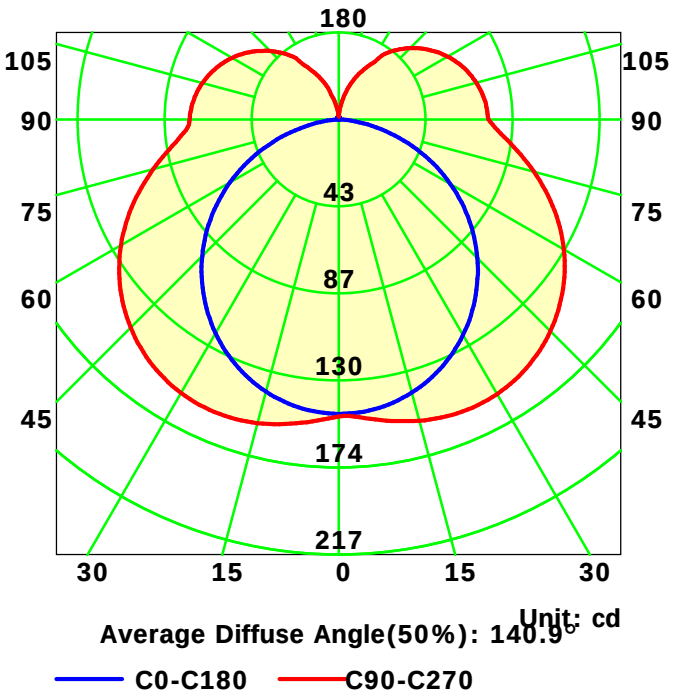
Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 827.6 lm**
Measurement Flux: 827.6 lm **Efficiency: 100%**
Downward Ratio: 75% **Upward Ratio: 25%**
Horizontal Diffuse Angle(10%,50%): H159.3,H111.7
Vertical Diffuse Angle(10%,50%): V325.2,V170.1
Luminaire Efficacy Rating (LER): 80 **Central Intensity: 147.2 cd**
Max. Intensity: 158.95 cd **Pos of Max. Intensity: H270 V24**

Picture Of Luminaire

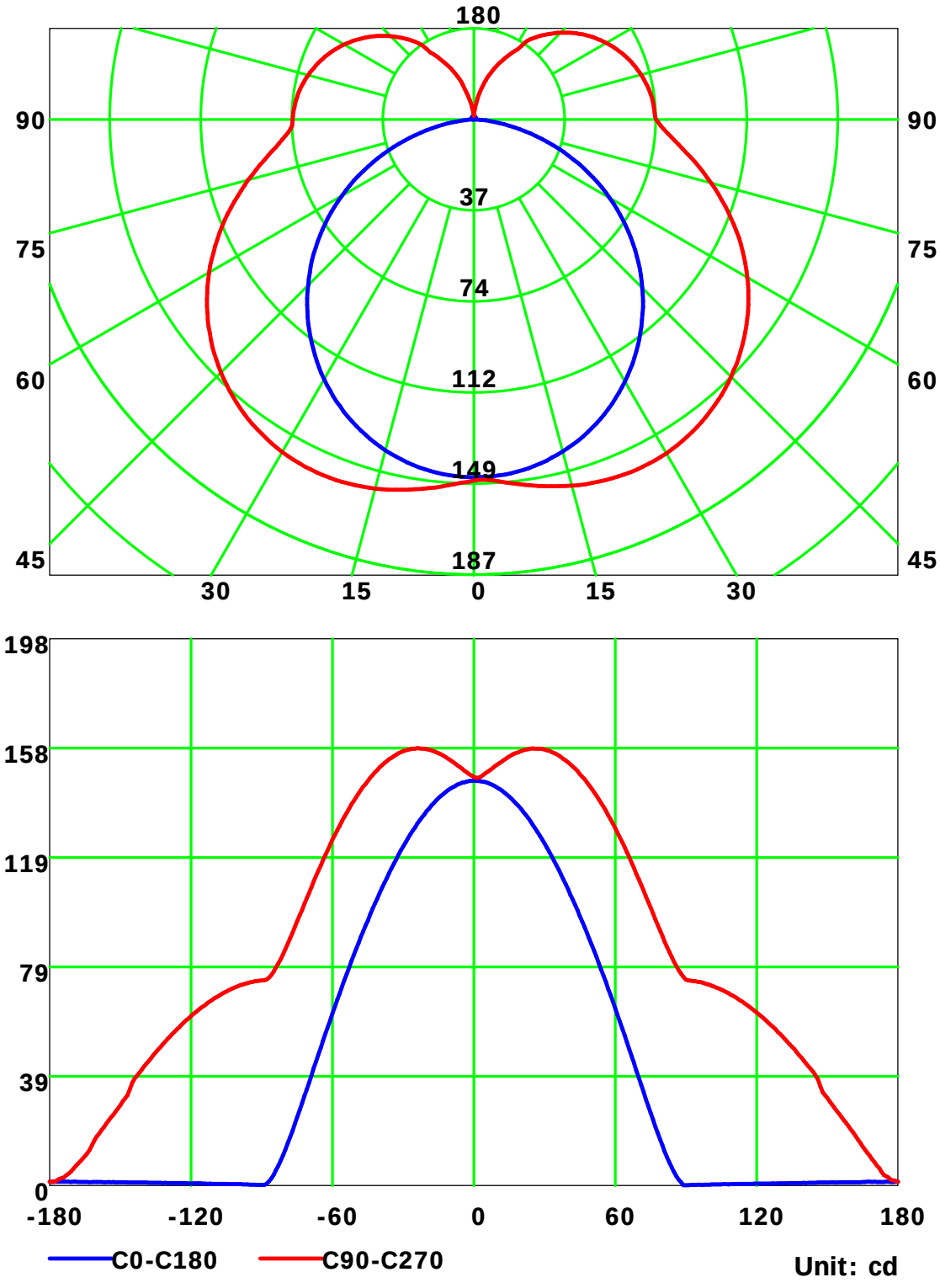


Luminous Intensity Distribution Curve



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: Nick **Inspector:**

Luminous Intensity Distribution Curve



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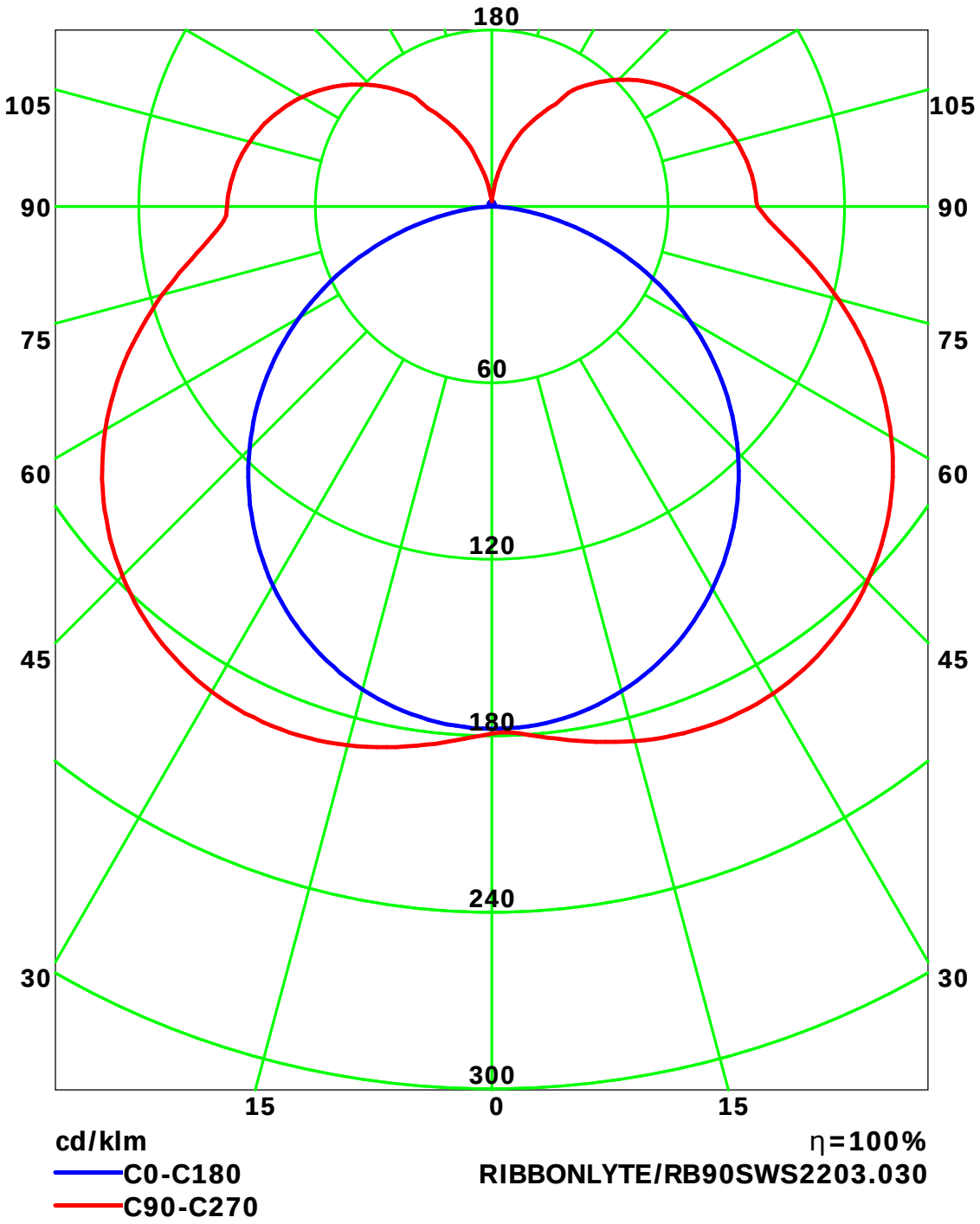
Luminous Intensity Distribution Curve(cd/klm)



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
Test Device: GPM-1800B
Distance: 9.028 m
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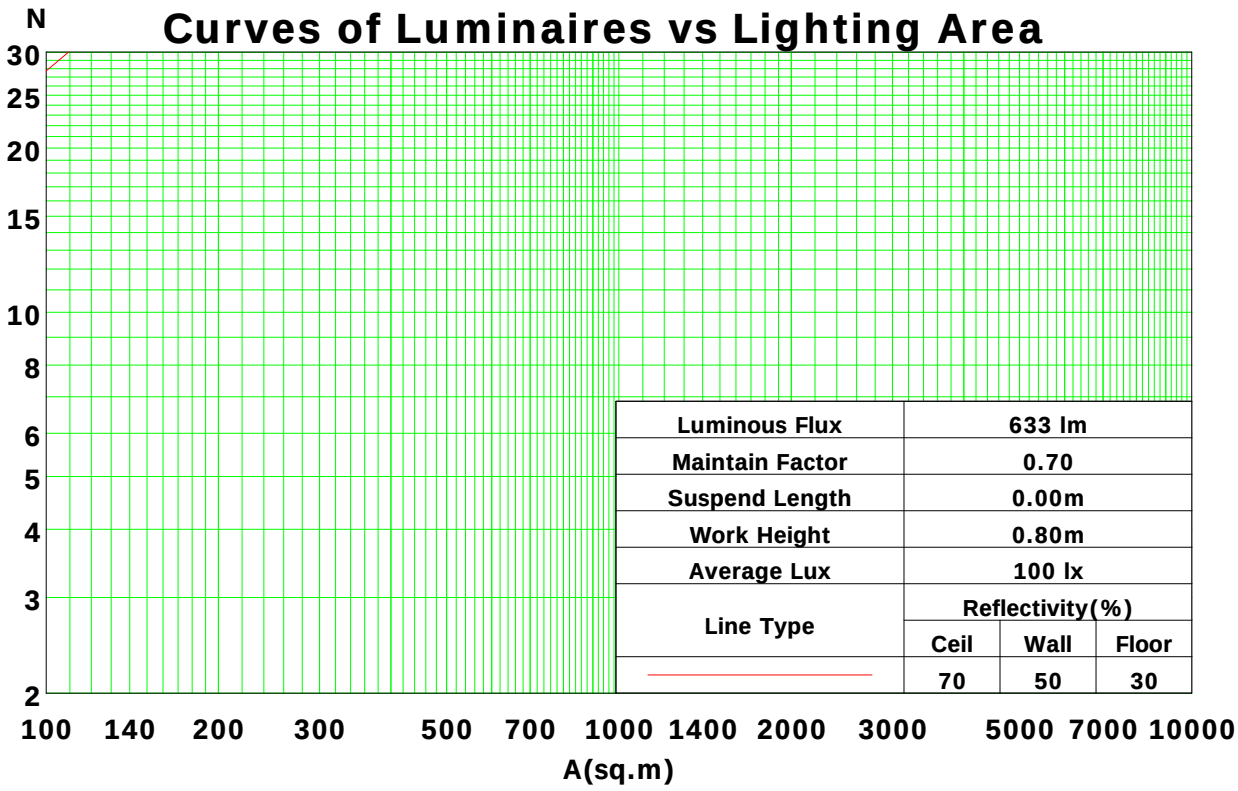
Inspector:

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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	80	80	80	75
1	101	95	90	85	95	90	85	81	81	78	74	73	70	68	66	63	61	57
2	90	81	73	67	85	77	70	64	69	64	59	62	58	54	56	52	49	46
3	82	70	61	54	77	67	59	52	60	54	48	54	49	44	49	44	41	37
4	74	62	52	45	70	59	50	43	53	46	40	48	42	37	43	38	34	31
5	68	55	45	38	64	52	43	37	47	40	34	42	36	32	38	33	29	26
6	62	49	39	33	59	46	38	32	42	35	29	38	32	27	34	29	25	23
7	58	44	35	29	54	42	34	28	38	31	26	35	28	24	31	26	22	20
8	53	40	31	25	51	38	30	24	35	28	23	32	26	21	29	23	20	17
9	50	36	28	22	47	35	27	22	32	25	20	29	23	19	26	21	18	15
10	47	33	25	20	44	32	24	19	29	23	18	27	21	17	24	19	16	14

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.58
Spacing Criteria (Diagonal): 1.59

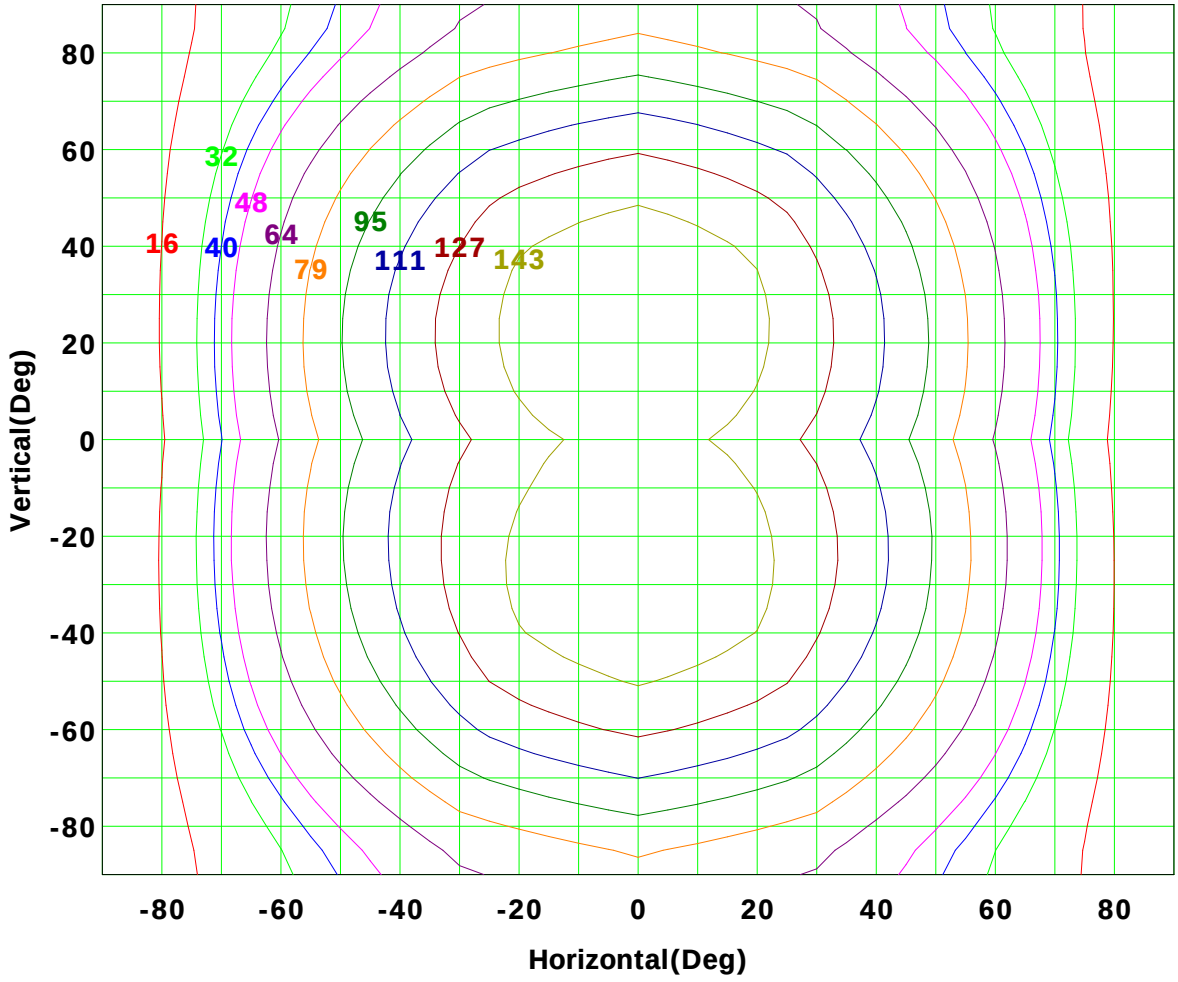
Curves of Luminaires vs Lighting Area



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

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

Isocandela (rectangle)



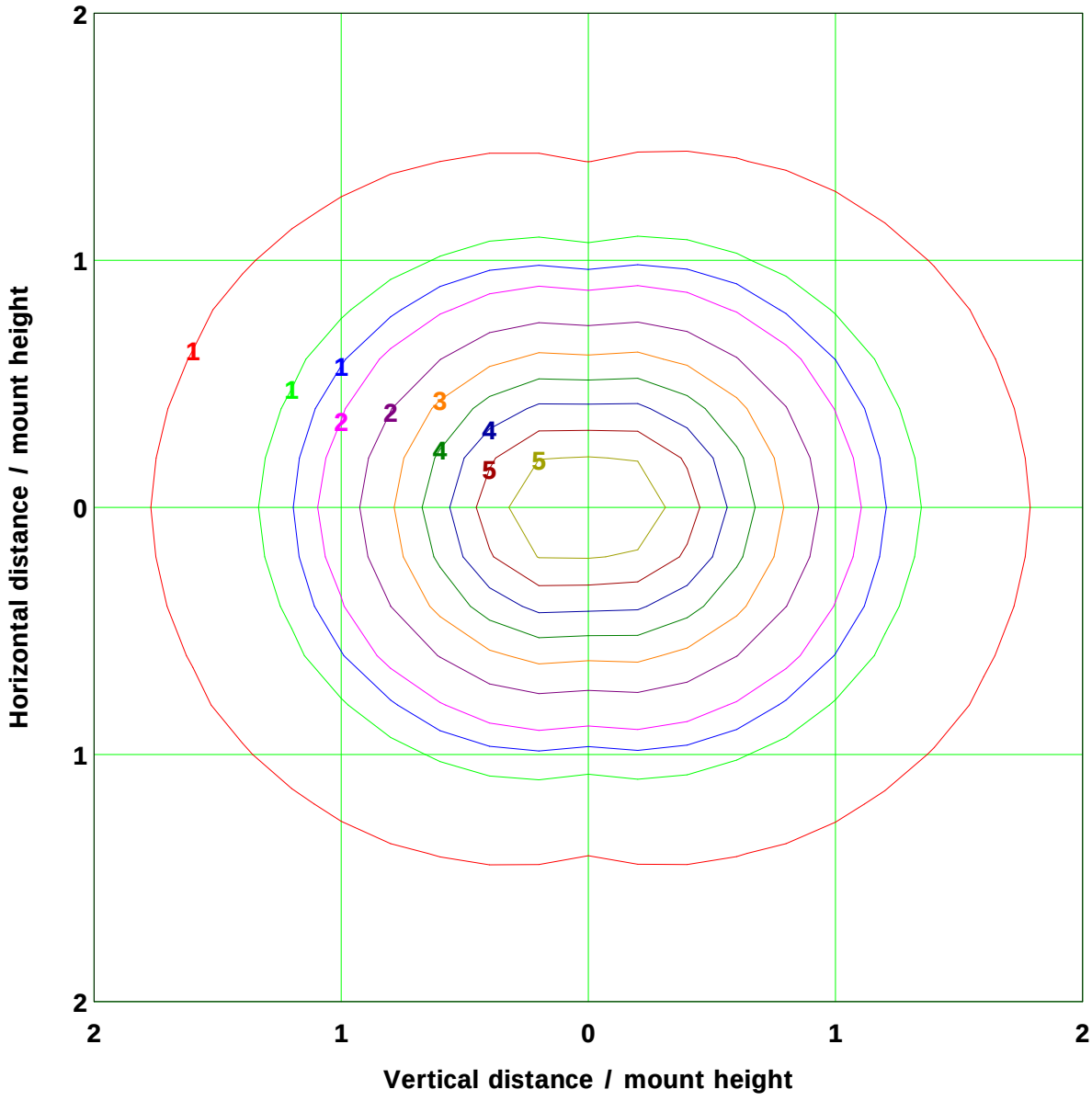
Imax (100%): 159 cd

(10%):	16 cd	(20%):	32 cd
(25%):	40 cd	(30%):	48 cd
(40%):	64 cd	(50%):	79 cd
(60%):	95 cd	(70%):	111 cd
(80%):	127 cd	(90%):	143 cd

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

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%): 6.0 lx

(10%): 0.6 lx	(20%): 1.2 lx
(25%): 1.5 lx	(30%): 1.8 lx
(40%): 2.4 lx	(50%): 3.0 lx
(60%): 3.6 lx	(70%): 4.2 lx
(80%): 4.8 lx	(90%): 5.4 lx

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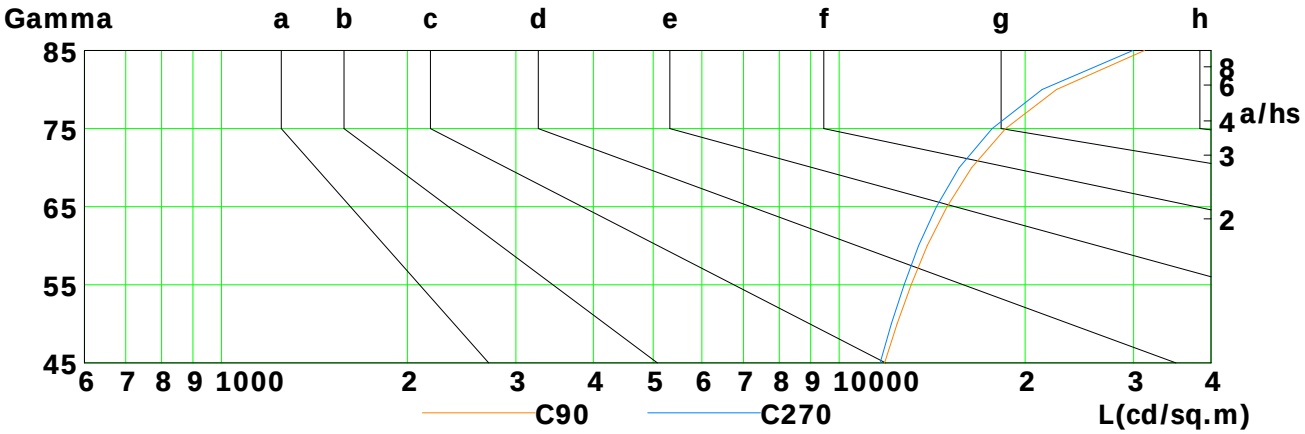
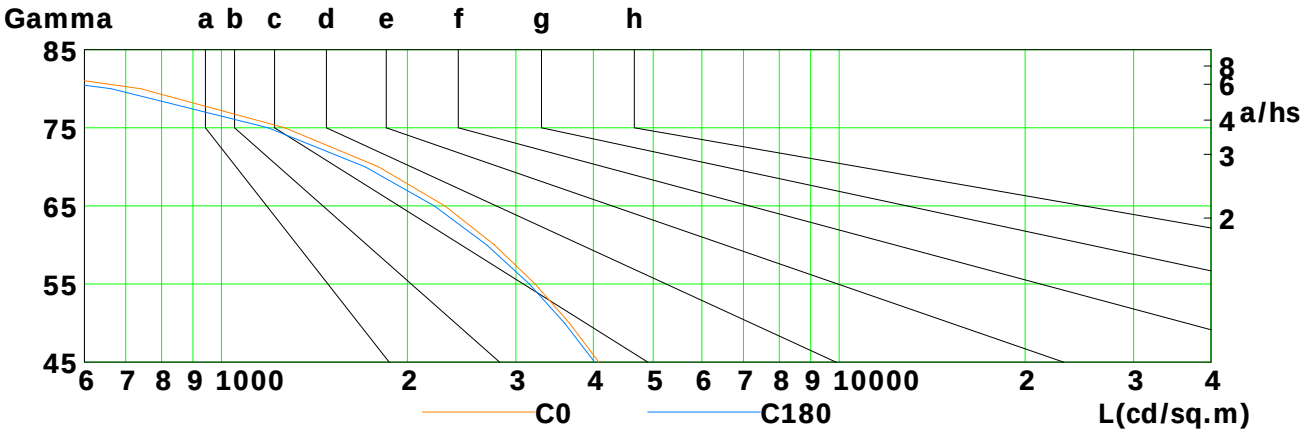
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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



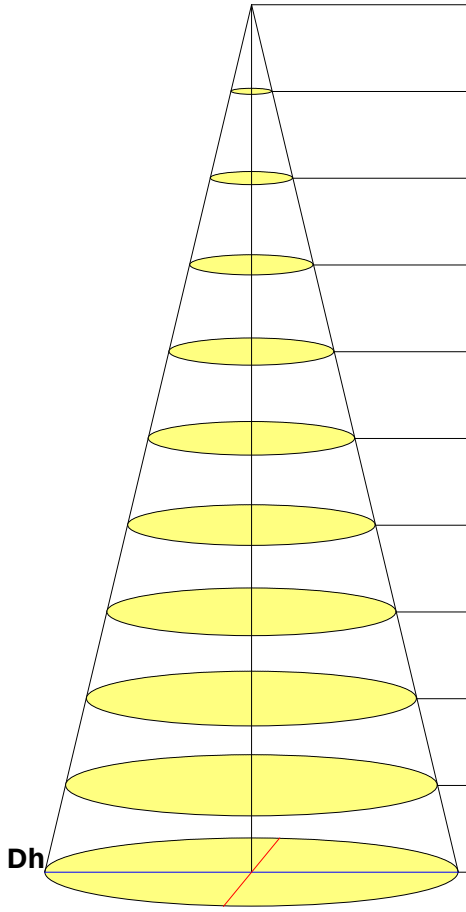


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4083	3658	3222	2767	2300	1797	1267	741	269
C90	11854	12418	13091	13898	14959	16396	18601	22502	31240
C180	4019	3593	3153	2690	2213	1708	1190	664	219
C270	11657	12153	12741	13455	14373	15655	17694	21305	29915

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

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

Illuminance at a Distance



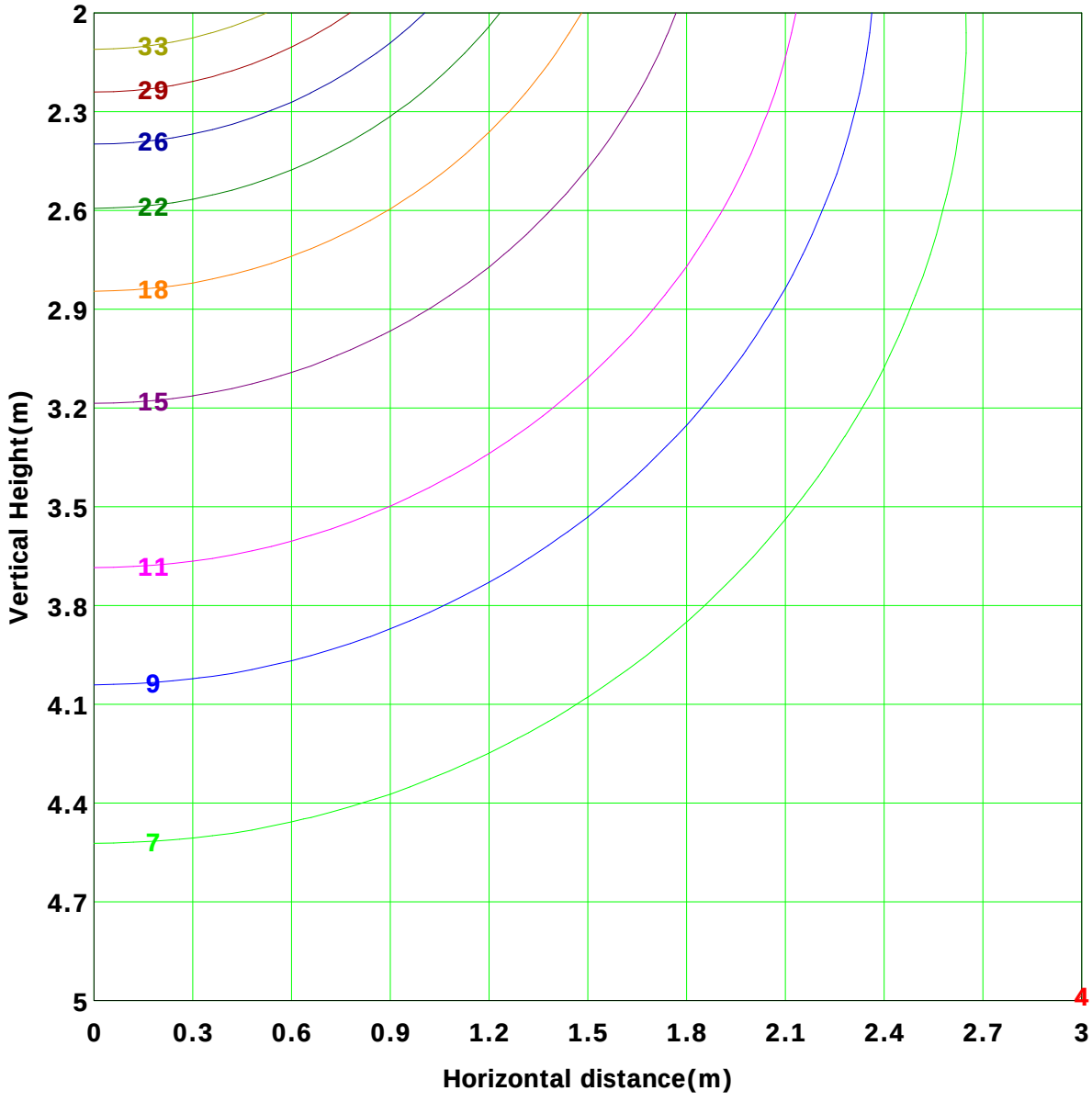
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	147.20	2.95/23.16	103.4	2.54
2.0	36.80	5.90/46.32	413.5	0.64
3.0	16.36	8.84/69.48	930.4	0.28
4.0	9.20	11.79/92.64	1654.1	0.16
5.0	5.89	14.74/115.80	2584.5	0.10
6.0	4.09	17.69/138.96	3721.7	0.07
7.0	3.00	20.64/162.13	5065.6	0.05
8.0	2.30	23.58/185.29	6616.3	0.04
9.0	1.82	26.53/208.45	8373.7	0.03
10.0	1.47	29.48/231.61	10337.9	0.03

Beam Angle(B): H111.7 V170.1 Field Angle(F): H159.3 V325.2

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

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: 36.8 lx

(10%): 3.7 lx	(20%): 7.4 lx
(25%): 9.2 lx	(30%): 11.0 lx
(40%): 14.7 lx	(50%): 18.4 lx
(60%): 22.1 lx	(70%): 25.8 lx
(80%): 29.4 lx	(90%): 33.1 lx

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

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

Area Flux Table

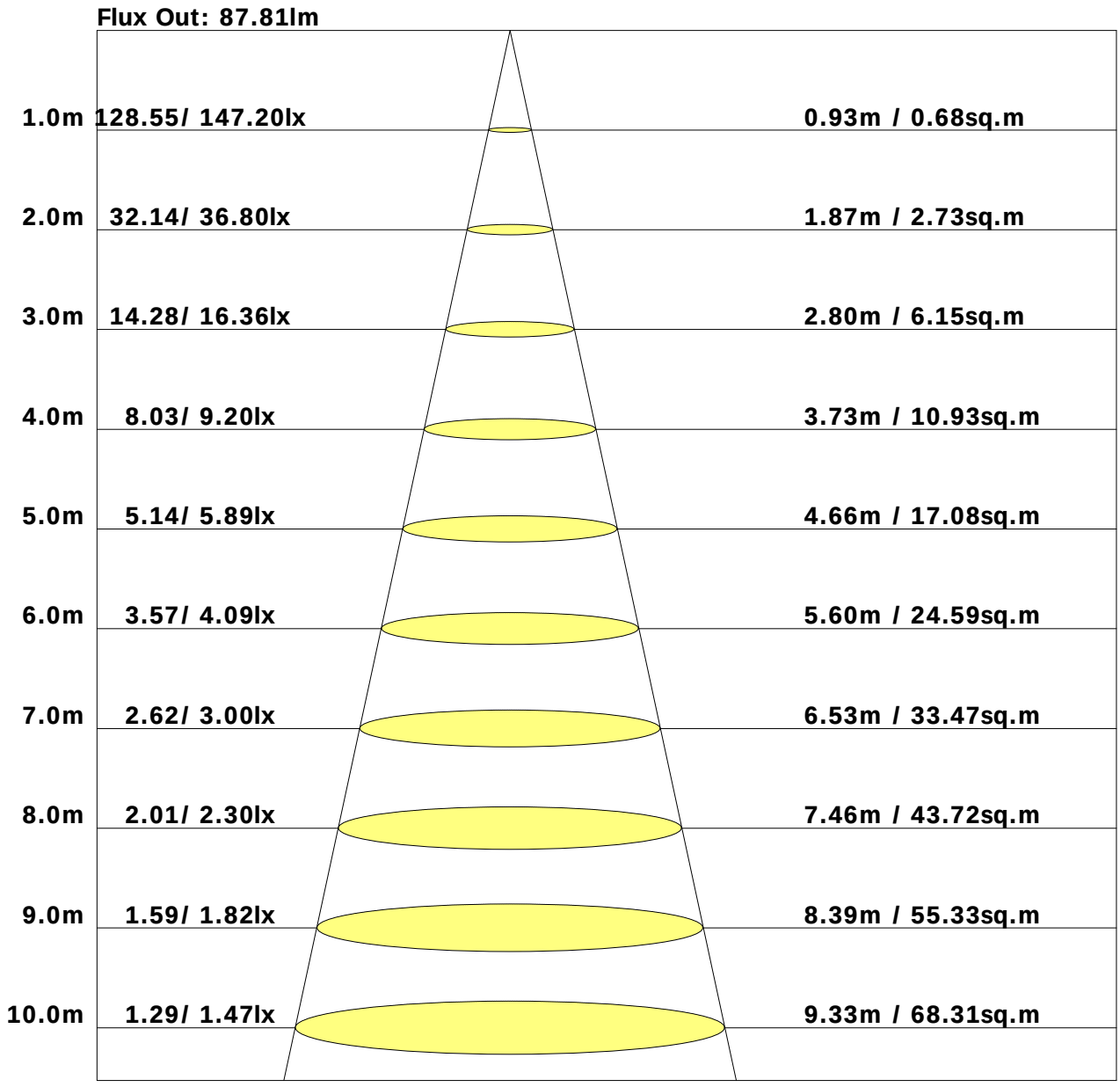
Unit: lm

Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
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	0.4	625	0.0
-80	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0
-70	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.4	0.3	0.0	0.0
-60	0.7	0.8	1.0	1.1	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.0	0.8	0.7	0.0	0.0
-50	1.0	1.3	1.5	1.8	1.9	2.1	2.2	2.2	2.1	2.2	2.2	2.3	2.2	2.2	1.9	1.6	1.3	1.3	1.1	0.0	0.0
-40	1.5	1.8	2.2	2.5	2.6	2.9	3.0	3.1	3.0	3.0	3.1	3.1	3.0	3.0	2.6	2.3	1.9	1.9	1.5	0.0	0.0
-30	1.9	2.3	2.8	3.2	3.3	3.6	3.8	3.8	3.8	3.7	3.8	3.8	3.8	3.8	3.3	2.9	2.4	2.4	1.9	0.0	0.0
-20	2.1	2.6	3.2	3.7	3.8	4.2	4.3	4.4	4.4	4.2	4.4	4.4	4.5	4.4	3.8	3.3	2.7	2.7	2.2	0.0	0.0
-10	2.3	2.8	3.5	4.0	4.1	4.5	4.6	4.7	4.7	4.5	4.7	4.7	4.8	4.7	4.1	3.6	3.0	3.0	2.4	0.0	0.0
0	2.3	2.8	3.5	4.0	4.1	4.5	4.7	4.7	4.7	4.6	4.7	4.7	4.8	4.7	4.1	3.6	3.0	3.0	2.4	0.0	0.0
10	2.1	2.6	3.2	3.7	3.8	4.2	4.4	4.4	4.4	4.3	4.4	4.4	4.5	4.4	3.8	3.3	2.7	2.7	2.2	0.0	0.0
20	1.9	2.3	2.8	3.3	3.3	3.7	3.8	3.9	3.9	3.7	3.8	3.8	3.9	3.9	3.3	2.9	2.4	2.4	1.9	0.0	0.0
30	1.5	1.8	2.2	2.6	2.6	3.0	3.0	3.1	3.1	3.0	3.1	3.1	3.1	3.1	2.6	2.3	1.9	1.9	1.5	0.0	0.0
40	1.0	1.3	1.6	1.8	1.9	2.1	2.2	2.3	2.3	2.2	2.3	2.3	2.3	2.3	1.9	1.6	1.3	1.3	1.1	0.0	0.0
50	0.6	0.8	1.0	1.2	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.2	1.0	0.8	0.8	0.7	0.0	0.0
60	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.0	0.0
70	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	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	0.0	0.0
90	19.9	24.3	29.7	34.5	38.2	40.6	41.6	41.6	41.3	39.8	39.9	41.2	41.7	40.9	35.4	30.8	25.5	20.6		20.5	19.8
Flux(T)	19.8	24.2	29.6	34.4	38.1	40.5	41.6	41.6	41.3	39.8	39.9	41.1	41.6	40.9	35.4	30.8	25.4		20.5		
Flux(E)	19.8	24.2	29.6	34.4	38.1	40.5	41.6	41.6	41.3	39.8	39.9	41.1	41.6	40.9	35.4	30.8		20.5			

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

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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Test Device: GPM-1800B
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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	16.6	17.9	17.3	18.6	19.4	17.7	18.9	18.3	19.6	20.5
3H	18.3	19.5	19.0	20.2	21.1	19.9	21.1	20.6	21.8	22.7
4H	18.9	20.0	19.6	20.7	21.6	21.0	22.1	21.7	22.8	23.7
6H	19.3	20.3	20.0	21.1	22.0	21.9	23.0	22.7	23.7	24.6
8H	19.4	20.4	20.1	21.1	22.0	22.4	23.4	23.1	24.1	25.0
12H	19.4	20.4	20.2	21.1	22.1	22.8	23.8	23.6	24.5	25.5
X=4H Y=2H	17.4	18.5	18.1	19.2	20.1	18.2	19.3	18.9	20.1	20.9
3H	19.3	20.3	20.1	21.1	22.0	20.8	21.7	21.5	22.5	23.4
4H	20.1	21.0	20.8	21.7	22.7	22.0	22.8	22.7	23.6	24.5
6H	20.6	21.4	21.4	22.2	23.1	23.1	23.9	23.9	24.7	25.6
8H	20.8	21.5	21.6	22.3	23.3	23.6	24.4	24.4	25.2	26.1
12H	20.9	21.6	21.7	22.4	23.3	24.2	24.8	25.0	25.7	26.6
X=8H Y=4H	20.7	21.4	21.4	22.2	23.1	22.3	23.0	23.0	23.8	24.7
6H	21.4	22.0	22.2	22.9	23.8	23.6	24.2	24.4	25.1	26.0
8H	21.7	22.2	22.5	23.1	24.0	24.3	24.9	25.1	25.7	26.7
12H	21.9	22.4	22.7	23.2	24.2	25.0	25.5	25.8	26.3	27.4
X=12H Y=4H	20.8	21.4	21.6	22.3	23.2	22.3	22.9	23.1	23.8	24.7
6H	21.6	22.2	22.4	23.0	24.0	23.7	24.3	24.5	25.1	26.1
8H	22.0	22.5	22.8	23.3	24.3	24.5	25.0	25.3	25.8	26.8

Calculate in accordance with CIE 190:2010

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

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

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)						SHR NOM = 1.50				
Room Reflectance			Room Index(RI)							
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.47	0.55	0.62	0.67	0.75	0.80	0.83	0.88	0.91
	0.30		0.39	0.47	0.55	0.60	0.68	0.73	0.77	0.83	0.87
	0.20		0.34	0.41	0.48	0.54	0.62	0.68	0.72	0.79	0.83
0.50	0.50	0.20	0.43	0.50	0.57	0.61	0.68	0.72	0.75	0.80	0.83
	0.30		0.37	0.44	0.50	0.55	0.62	0.67	0.71	0.76	0.79
	0.20		0.32	0.39	0.45	0.50	0.57	0.63	0.67	0.72	0.76
0.30	0.50	0.20	0.40	0.46	0.52	0.56	0.61	0.65	0.68	0.72	0.75
	0.30		0.34	0.40	0.46	0.51	0.57	0.61	0.64	0.69	0.72
	0.20		0.30	0.36	0.42	0.46	0.53	0.58	0.61	0.66	0.69
0.00	0.00	0.00	0.26	0.31	0.36	0.40	0.45	0.49	0.52	0.56	0.59

Rating:10W 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: Nick

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 = 1.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	1.00	0.86	0.75	0.66	0.54	0.46	0.40	0.32	0.27
	0.30		0.83	0.74	0.65	0.59	0.49	0.42	0.37	0.30	0.25
	0.20		0.72	0.65	0.58	0.53	0.45	0.39	0.35	0.29	0.24
0.50	0.50	0.20	0.92	0.79	0.68	0.60	0.50	0.44	0.37	0.29	0.25
	0.30		0.77	0.69	0.60	0.54	0.45	0.39	0.34	0.28	0.23
	0.20		0.67	0.61	0.54	0.49	0.42	0.36	0.32	0.27	0.22
0.30	0.50	0.20	0.84	0.72	0.62	0.55	0.45	0.38	0.34	0.27	0.23
	0.30		0.72	0.63	0.56	0.50	0.42	0.36	0.32	0.26	0.22
	0.20		0.63	0.57	0.50	0.46	0.39	0.34	0.30	0.25	0.21
0.00	0.00	0.00	0.50	0.45	0.40	0.36	0.30	0.26	0.23	0.19	0.16

Rating:10W 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: Nick

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 = 1.50								
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	0.40	0.42	0.42	0.43	0.44	0.44	0.45	0.45	0.45
	0.30		0.33	0.35	0.36	0.37	0.38	0.40	0.40	0.41	0.42
	0.20		0.28	0.30	0.31	0.32	0.34	0.35	0.36	0.38	0.39
0.50	0.50	0.20	0.39	0.40	0.41	0.41	0.42	0.43	0.43	0.43	0.43
	0.30		0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41
	0.20		0.28	0.29	0.31	0.32	0.33	0.35	0.36	0.37	0.38
0.30	0.50	0.20	0.38	0.39	0.39	0.40	0.41	0.41	0.41	0.41	0.42
	0.30		0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.39
	0.20		0.28	0.29	0.30	0.31	0.33	0.34	0.35	0.36	0.37
0.00	0.00	0.00	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24

Rating:10W 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: Nick

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	148.2	0.1	0.1	0.02	0.02
1.0-2.0	148.3	0.4	0.6	0.05	0.07
2.0-3.0	148.4	0.7	1.3	0.09	0.15
3.0-4.0	148.6	1.0	2.3	0.12	0.27
4.0-5.0	148.9	1.3	3.6	0.15	0.43
5.0-6.0	149.1	1.6	5.1	0.19	0.62
6.0-7.0	149.3	1.9	7.0	0.22	0.84
7.0-8.0	149.5	2.1	9.1	0.26	1.10
8.0-9.0	149.7	2.4	11.5	0.29	1.39
9.0-10.0	149.8	2.7	14.3	0.33	1.72
10.0-11.0	150.0	3.0	17.3	0.36	2.08
11.0-12.0	150.0	3.3	20.5	0.40	2.48
12.0-13.0	150.1	3.6	24.1	0.43	2.91
13.0-14.0	150.1	3.8	27.9	0.46	3.38
14.0-15.0	150.1	4.1	32.1	0.50	3.87
15.0-16.0	150.0	4.4	36.5	0.53	4.40
16.0-17.0	149.9	4.7	41.1	0.56	4.97
17.0-18.0	149.7	4.9	46.1	0.60	5.57
18.0-19.0	149.5	5.2	51.3	0.63	6.19
19.0-20.0	149.3	5.5	56.7	0.66	6.85
20.0-21.0	149.0	5.7	62.4	0.69	7.55
21.0-22.0	148.7	6.0	68.4	0.72	8.27
22.0-23.0	148.3	6.2	74.6	0.75	9.02
23.0-24.0	147.9	6.5	81.1	0.78	9.80
24.0-25.0	147.4	6.7	87.8	0.81	10.61
25.0-26.0	146.9	6.9	94.7	0.84	11.45
26.0-27.0	146.3	7.2	101.9	0.86	12.31
27.0-28.0	145.7	7.4	109.3	0.89	13.20
28.0-29.0	145.0	7.6	116.9	0.92	14.12
29.0-30.0	144.3	7.8	124.7	0.94	15.06
30.0-31.0	143.6	8.0	132.7	0.97	16.03
31.0-32.0	142.8	8.2	140.8	0.99	17.02
32.0-33.0	141.9	8.4	149.2	1.01	18.03
33.0-34.0	141.0	8.5	157.7	1.03	19.06
34.0-35.0	140.1	8.7	166.4	1.05	20.11
35.0-36.0	139.1	8.9	175.3	1.07	21.18

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

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	138.1	9.0	184.3	1.09	22.27
37.0-38.0	137.0	9.1	193.4	1.10	23.37
38.0-39.0	135.8	9.3	202.7	1.12	24.49
39.0-40.0	134.7	9.4	212.1	1.14	25.63
40.0-41.0	133.4	9.5	221.6	1.15	26.78
41.0-42.0	132.2	9.6	231.2	1.16	27.94
42.0-43.0	130.9	9.7	240.9	1.17	29.11
43.0-44.0	129.6	9.8	250.7	1.18	30.29
44.0-45.0	128.2	9.9	260.5	1.19	31.48
45.0-46.0	126.7	9.9	270.5	1.20	32.68
46.0-47.0	125.3	10.0	280.4	1.20	33.88
47.0-48.0	123.8	10.0	290.4	1.21	35.09
48.0-49.0	122.2	10.0	300.5	1.21	36.31
49.0-50.0	120.6	10.1	310.5	1.22	37.52
50.0-51.0	119.0	10.1	320.6	1.22	38.74
51.0-52.0	117.3	10.1	330.7	1.22	39.95
52.0-53.0	115.6	10.1	340.7	1.22	41.17
53.0-54.0	113.8	10.0	350.7	1.21	42.38
54.0-55.0	112.0	10.0	360.7	1.21	43.59
55.0-56.0	110.2	10.0	370.7	1.20	44.79
56.0-57.0	108.3	9.9	380.6	1.20	45.99
57.0-58.0	106.4	9.8	390.4	1.19	47.18
58.0-59.0	104.4	9.8	400.2	1.18	48.36
59.0-60.0	102.4	9.7	409.9	1.17	49.53
60.0-61.0	100.4	9.6	419.5	1.16	50.69
61.0-62.0	98.3	9.5	428.9	1.15	51.83
62.0-63.0	96.2	9.4	438.3	1.13	52.96
63.0-64.0	94.1	9.2	447.5	1.12	54.08
64.0-65.0	91.9	9.1	456.6	1.10	55.18
65.0-66.0	89.8	9.0	465.6	1.08	56.26
66.0-67.0	87.5	8.8	474.4	1.06	57.32
67.0-68.0	85.3	8.6	483.0	1.04	58.37
68.0-69.0	83.0	8.5	491.5	1.02	59.39
69.0-70.0	80.7	8.3	499.8	1.00	60.39
70.0-71.0	78.4	8.1	507.9	0.98	61.37
71.0-72.0	76.1	7.9	515.8	0.96	62.33

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

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	73.8	7.7	523.5	0.93	63.26
73.0-74.0	71.5	7.5	531.1	0.91	64.17
74.0-75.0	69.2	7.3	538.4	0.88	65.06
75.0-76.0	66.9	7.1	545.5	0.86	65.91
76.0-77.0	64.7	6.9	552.4	0.83	66.75
77.0-78.0	62.5	6.7	559.1	0.81	67.56
78.0-79.0	60.3	6.5	565.5	0.78	68.34
79.0-80.0	58.1	6.3	571.8	0.76	69.09
80.0-81.0	56.0	6.1	577.9	0.73	69.83
81.0-82.0	54.0	5.9	583.7	0.71	70.53
82.0-83.0	52.1	5.7	589.4	0.68	71.22
83.0-84.0	50.3	5.5	594.9	0.66	71.88
84.0-85.0	48.6	5.3	600.2	0.64	72.52
85.0-86.0	47.1	5.2	605.3	0.62	73.14
86.0-87.0	45.8	5.0	610.3	0.61	73.75
87.0-88.0	44.7	4.9	615.2	0.59	74.34
88.0-89.0	43.9	4.8	620.1	0.58	74.92
89.0-90.0	43.4	4.8	624.8	0.58	75.50
90.0-91.0	43.2	4.7	629.6	0.57	76.07
91.0-92.0	43.1	4.7	634.3	0.57	76.64
92.0-93.0	43.1	4.7	639.0	0.57	77.21
93.0-94.0	43.0	4.7	643.7	0.57	77.78
94.0-95.0	42.9	4.7	648.4	0.57	78.35
95.0-96.0	42.8	4.7	653.1	0.56	78.91
96.0-97.0	42.7	4.7	657.7	0.56	79.48
97.0-98.0	42.5	4.6	662.3	0.56	80.03
98.0-99.0	42.4	4.6	666.9	0.56	80.59
99.0-100.0	42.2	4.6	671.5	0.55	81.14
100.0-101.0	42.1	4.5	676.0	0.55	81.69
101.0-102.0	41.9	4.5	680.5	0.54	82.23
102.0-103.0	41.7	4.5	685.0	0.54	82.77
103.0-104.0	41.5	4.4	689.4	0.53	83.31
104.0-105.0	41.3	4.4	693.8	0.53	83.84
105.0-106.0	41.0	4.3	698.2	0.52	84.36
106.0-107.0	40.8	4.3	702.4	0.52	84.88
107.0-108.0	40.5	4.2	706.7	0.51	85.39

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

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	40.2	4.2	710.9	0.51	85.90
109.0-110.0	40.0	4.1	715.0	0.50	86.40
110.0-111.0	39.7	4.1	719.1	0.49	86.89
111.0-112.0	39.4	4.0	723.1	0.49	87.37
112.0-113.0	39.0	4.0	727.0	0.48	87.85
113.0-114.0	38.7	3.9	730.9	0.47	88.32
114.0-115.0	38.3	3.8	734.8	0.46	88.78
115.0-116.0	38.0	3.8	738.5	0.45	89.24
116.0-117.0	37.6	3.7	742.2	0.45	89.68
117.0-118.0	37.2	3.6	745.8	0.44	90.12
118.0-119.0	36.8	3.5	749.4	0.43	90.55
119.0-120.0	36.4	3.5	752.8	0.42	90.97
120.0-121.0	36.0	3.4	756.2	0.41	91.38
121.0-122.0	35.6	3.3	759.6	0.40	91.78
122.0-123.0	35.1	3.2	762.8	0.39	92.17
123.0-124.0	34.7	3.2	766.0	0.38	92.56
124.0-125.0	34.2	3.1	769.1	0.37	92.93
125.0-126.0	33.7	3.0	772.1	0.36	93.30
126.0-127.0	33.2	2.9	775.0	0.35	93.65
127.0-128.0	32.6	2.8	777.9	0.34	93.99
128.0-129.0	32.0	2.7	780.6	0.33	94.32
129.0-130.0	31.4	2.7	783.3	0.32	94.65
130.0-131.0	30.8	2.6	785.8	0.31	94.96
131.0-132.0	30.2	2.5	788.3	0.30	95.26
132.0-133.0	29.6	2.4	790.7	0.29	95.54
133.0-134.0	29.0	2.3	793.0	0.28	95.82
134.0-135.0	28.4	2.2	795.2	0.27	96.09
135.0-136.0	27.8	2.1	797.4	0.26	96.35
136.0-137.0	27.3	2.1	799.4	0.25	96.60
137.0-138.0	26.7	2.0	801.4	0.24	96.84
138.0-139.0	26.1	1.9	803.3	0.23	97.07
139.0-140.0	25.5	1.8	805.1	0.22	97.29
140.0-141.0	24.9	1.7	806.8	0.21	97.49
141.0-142.0	24.2	1.6	808.5	0.20	97.69
142.0-143.0	23.2	1.6	810.0	0.19	97.88
143.0-144.0	22.3	1.5	811.5	0.18	98.06

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

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	21.6	1.4	812.9	0.17	98.22
145.0-146.0	20.9	1.3	814.2	0.16	98.38
146.0-147.0	20.1	1.2	815.4	0.15	98.53
147.0-148.0	19.2	1.1	816.5	0.14	98.66
148.0-149.0	18.4	1.1	817.6	0.13	98.79
149.0-150.0	17.7	1.0	818.6	0.12	98.91
150.0-151.0	17.1	0.9	819.5	0.11	99.02
151.0-152.0	16.4	0.9	820.3	0.10	99.13
152.0-153.0	15.7	0.8	821.1	0.10	99.22
153.0-154.0	15.0	0.7	821.9	0.09	99.31
154.0-155.0	14.3	0.7	822.6	0.08	99.39
155.0-156.0	13.7	0.6	823.2	0.08	99.47
156.0-157.0	13.0	0.6	823.7	0.07	99.54
157.0-158.0	12.4	0.5	824.3	0.06	99.60
158.0-159.0	11.7	0.5	824.7	0.06	99.66
159.0-160.0	11.0	0.4	825.2	0.05	99.71
160.0-161.0	10.3	0.4	825.5	0.05	99.75
161.0-162.0	9.6	0.3	825.9	0.04	99.79
162.0-163.0	8.8	0.3	826.2	0.04	99.83
163.0-164.0	8.1	0.3	826.4	0.03	99.86
164.0-165.0	7.4	0.2	826.6	0.03	99.89
165.0-166.0	6.7	0.2	826.8	0.02	99.91
166.0-167.0	6.0	0.2	827.0	0.02	99.93
167.0-168.0	5.4	0.1	827.1	0.02	99.94
168.0-169.0	4.9	0.1	827.2	0.01	99.95
169.0-170.0	4.4	0.1	827.3	0.01	99.97
170.0-171.0	3.9	0.1	827.4	0.01	99.97
171.0-172.0	3.6	0.1	827.4	0.01	99.98
172.0-173.0	3.2	0.0	827.5	0.01	99.99
173.0-174.0	2.9	0.0	827.5	0.00	99.99
174.0-175.0	2.6	0.0	827.5	0.00	99.99
175.0-176.0	2.4	0.0	827.5	0.00	100.00
176.0-177.0	2.1	0.0	827.6	0.00	100.00
177.0-178.0	1.9	0.0	827.6	0.00	100.00
178.0-179.0	1.7	0.0	827.6	0.00	100.00
179.0-180.0	1.6	0.0	827.6	0.00	100.00

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

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