ACOLYTE
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Report No.: **Test Time: 2020/12/28 12:17**

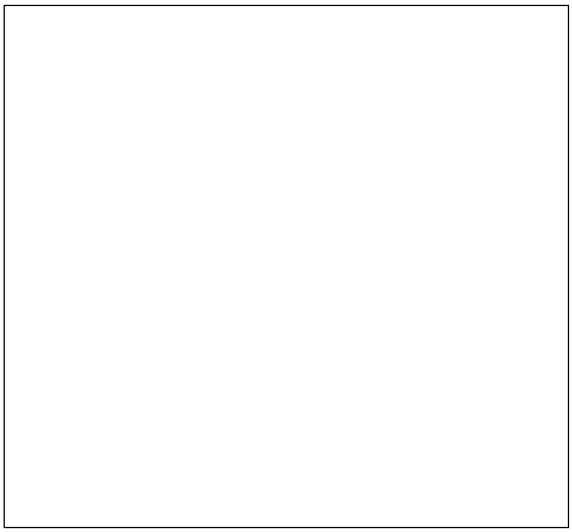
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Apex
Luminaire Description: NEON+RB0SCS2205.0R-10N
Lamp Catalog: 10N-R **Lamp Description: 2835 RED**
Number of Lamps: 224 **Luminous Length (mm): 500**
Luminous Width (mm): 16 **Luminous Height (mm): 15**
Voltage: 24.0 V **Current: 0.357 A**
Power: 8.58 W **Power Factor: 1.000**

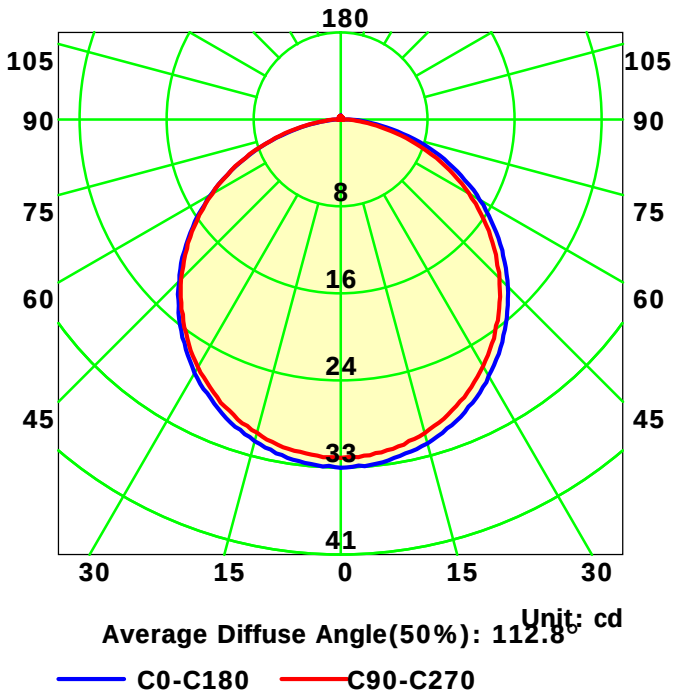
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 94.5 lm**
Measurement Flux: 94.5 lm **Efficiency: 100%**
Downward Ratio: 98% **Upward Ratio: 2%**
Horizontal Diffuse Angle(10%,50%): H162.3,H113.3
Vertical Diffuse Angle(10%,50%): V161.1,V112.3
Luminaire Efficacy Rating (LER): 11 **Central Intensity: 33.12 cd**
Max. Intensity: 33.12 cd **Pos of Max. Intensity: H0 V0**

Picture Of Luminaire

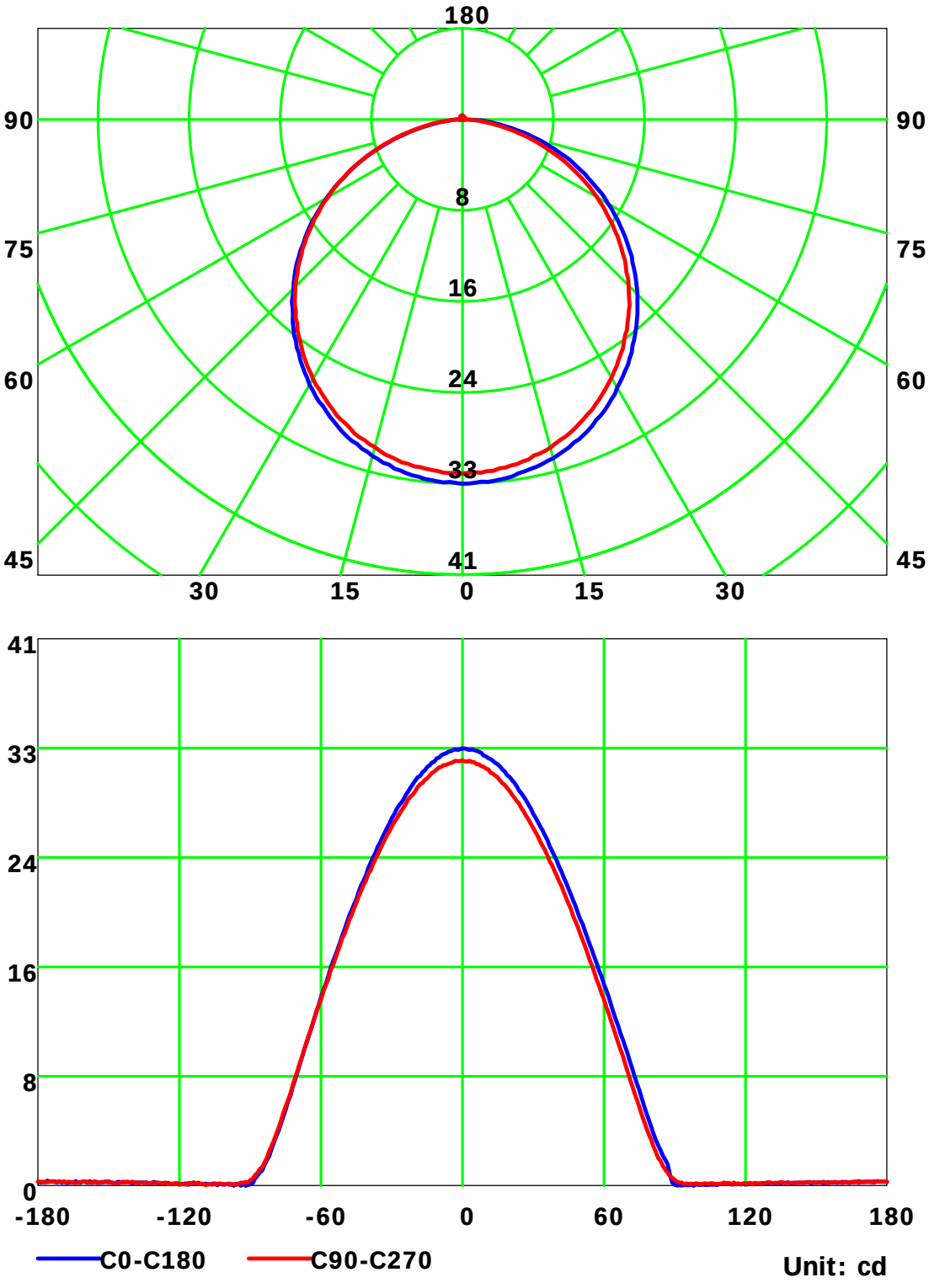


Luminous Intensity Distribution Curve



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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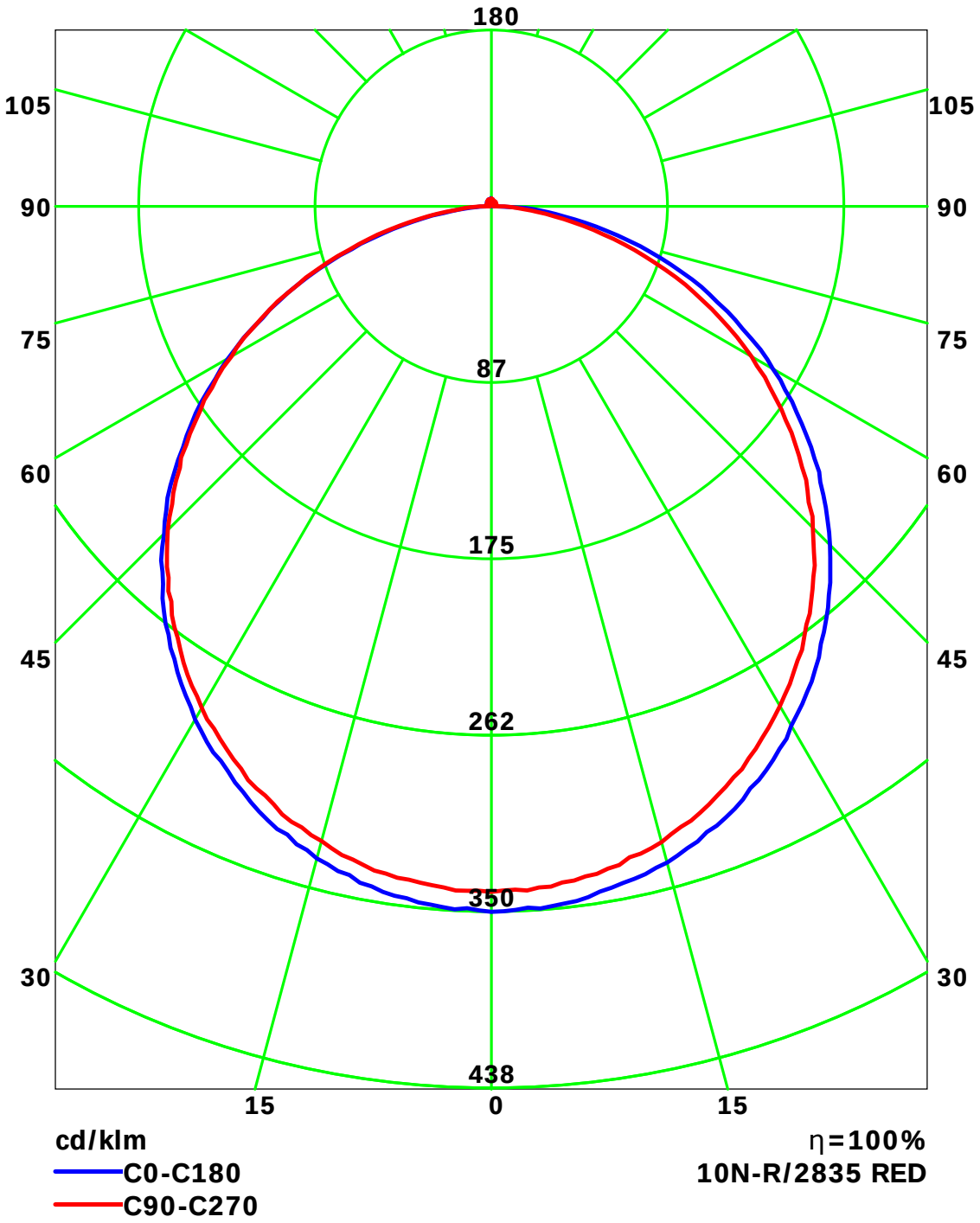
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Type: TYPE C
Temperature: 25
Operator: Nick

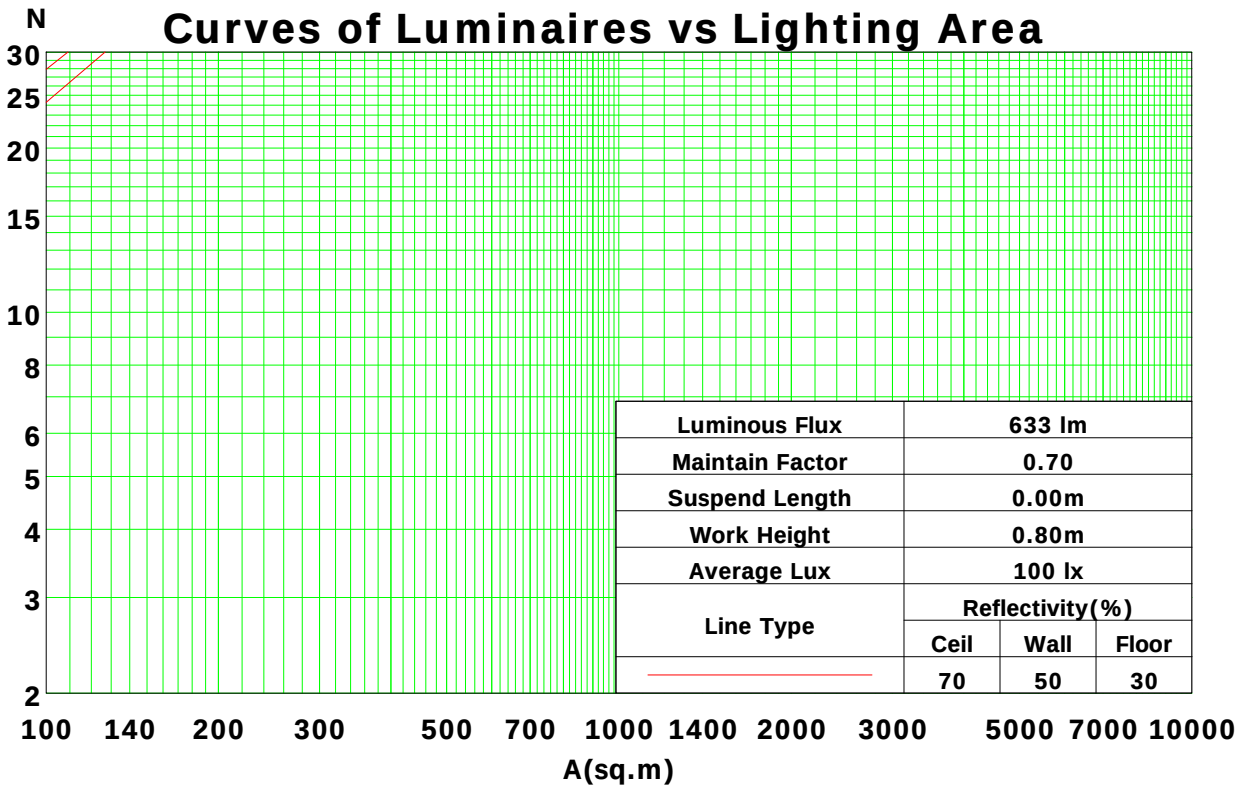
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98
1	108	103	99	95	105	101	97	93	96	93	90	92	90	87	88	86	84	82
2	98	90	83	77	96	88	82	76	84	79	74	81	76	72	77	74	70	68
3	90	79	71	64	87	77	70	63	74	67	62	71	65	61	68	64	60	57
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	55	51	49
5	75	62	53	47	73	61	53	46	59	51	46	57	50	45	55	49	44	42
6	70	56	47	41	67	55	47	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	41	35	31	29
9	56	43	34	29	55	42	34	29	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

Spacing Criteria (0-180): 1.26
Spacing Criteria (90-270): 1.25
Spacing Criteria (Diagonal): 1.36

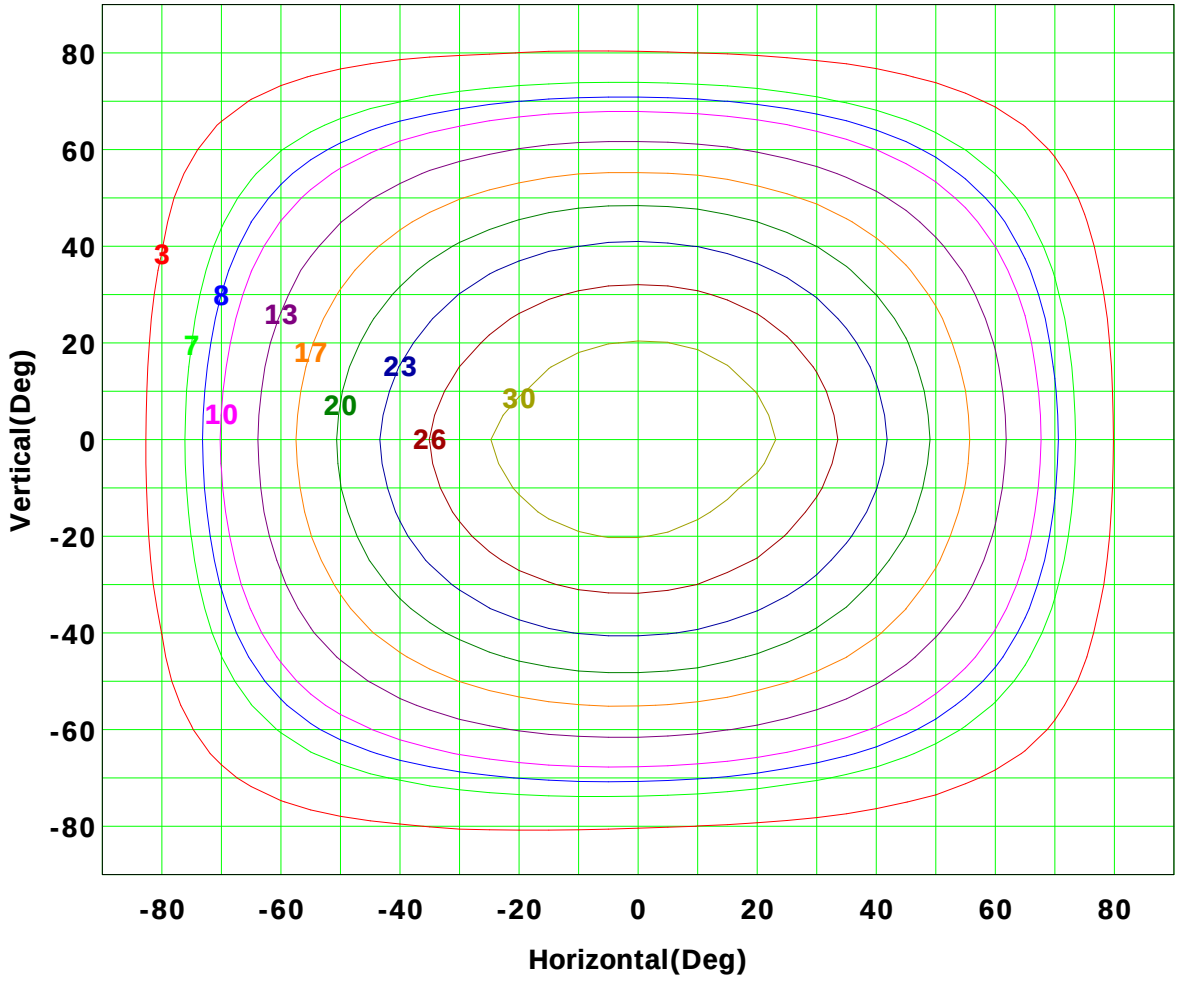
Curves of Luminaires vs Lighting Area



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

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

Isocandela (rectangle)



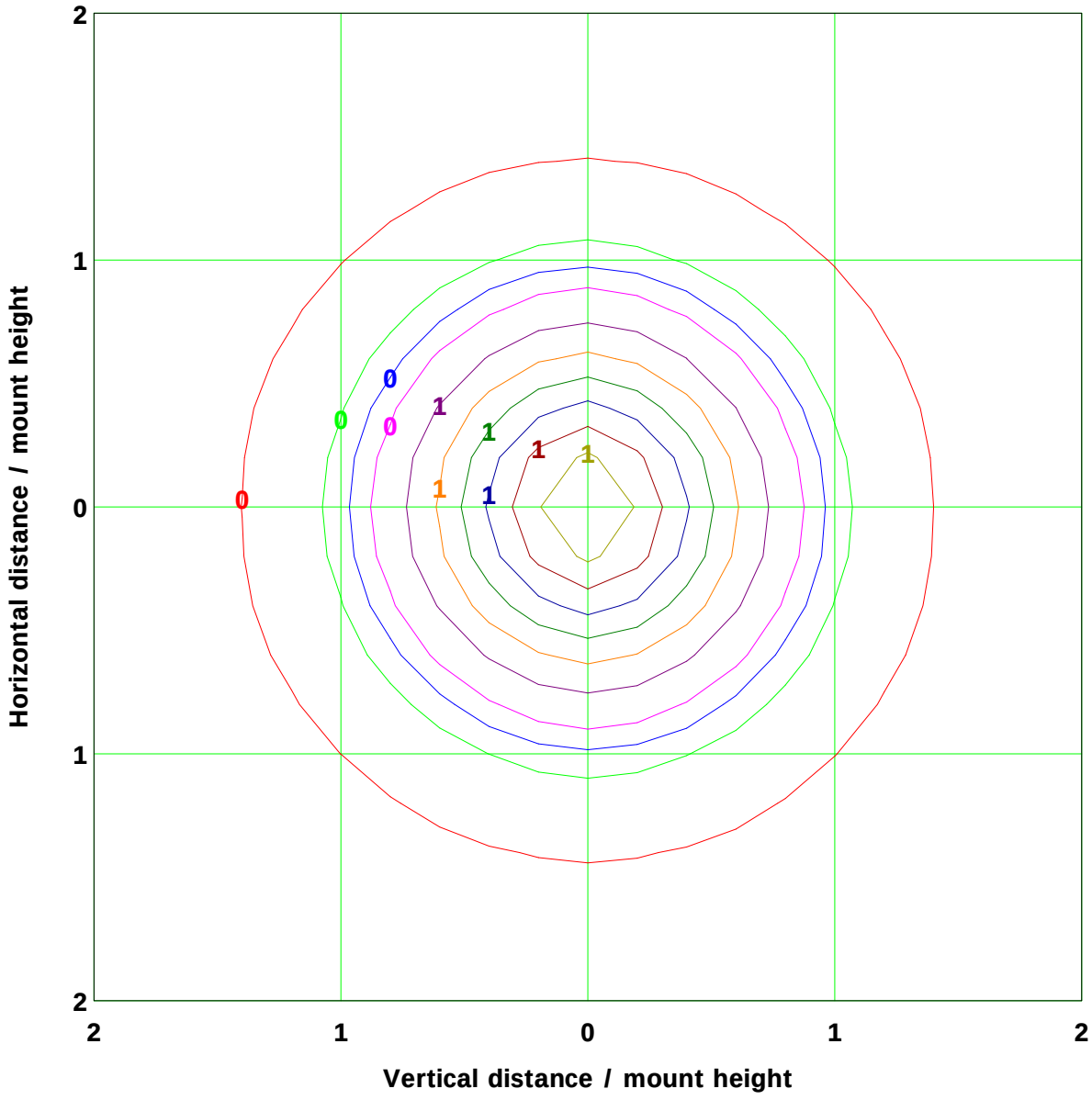
Imax (100%): 33 cd

(10%):	3 cd	(20%):	7 cd
(25%):	8 cd	(30%):	10 cd
(40%):	13 cd	(50%):	17 cd
(60%):	20 cd	(70%):	23 cd
(80%):	26 cd	(90%):	30 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%): 1.3 lx

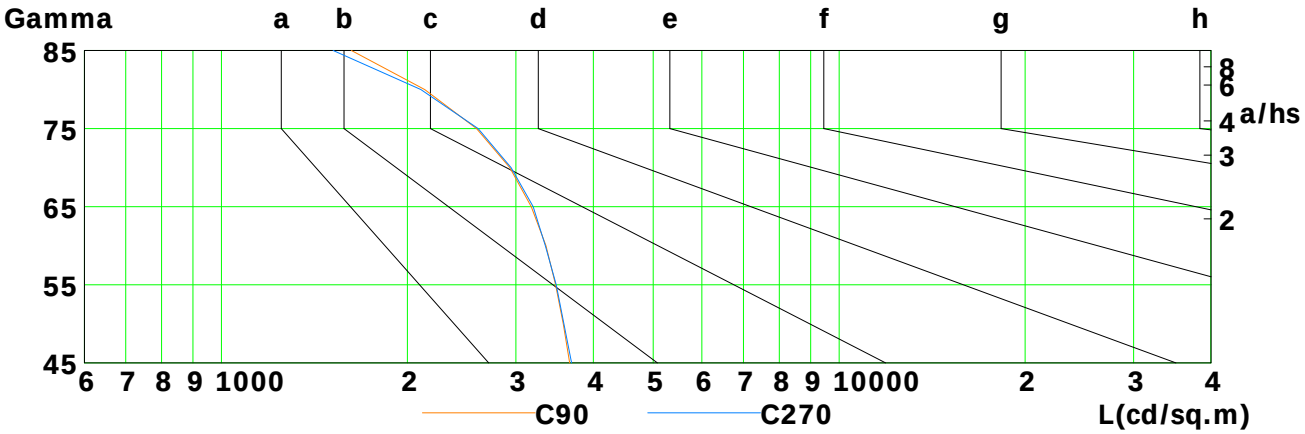
(10%): 0.1 lx	(20%): 0.3 lx
(25%): 0.3 lx	(30%): 0.4 lx
(40%): 0.5 lx	(50%): 0.7 lx
(60%): 0.8 lx	(70%): 0.9 lx
(80%): 1.1 lx	(90%): 1.2 lx

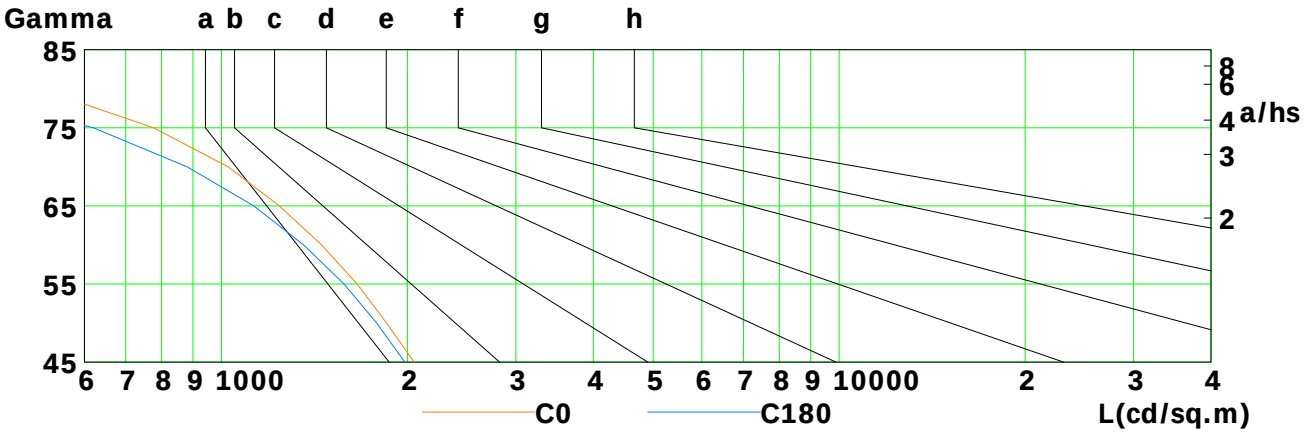
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

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



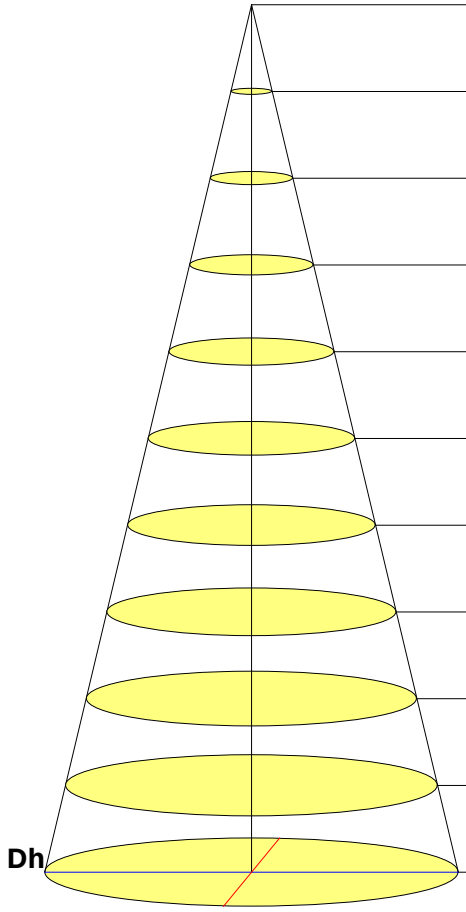


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2053	1852	1659	1453	1242	1026	777	509	282
C90	3666	3577	3477	3356	3176	2931	2589	2135	1623
C180	1983	1785	1579	1360	1129	881	621	370	144
C270	3688	3586	3486	3346	3199	2944	2606	2104	1517

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



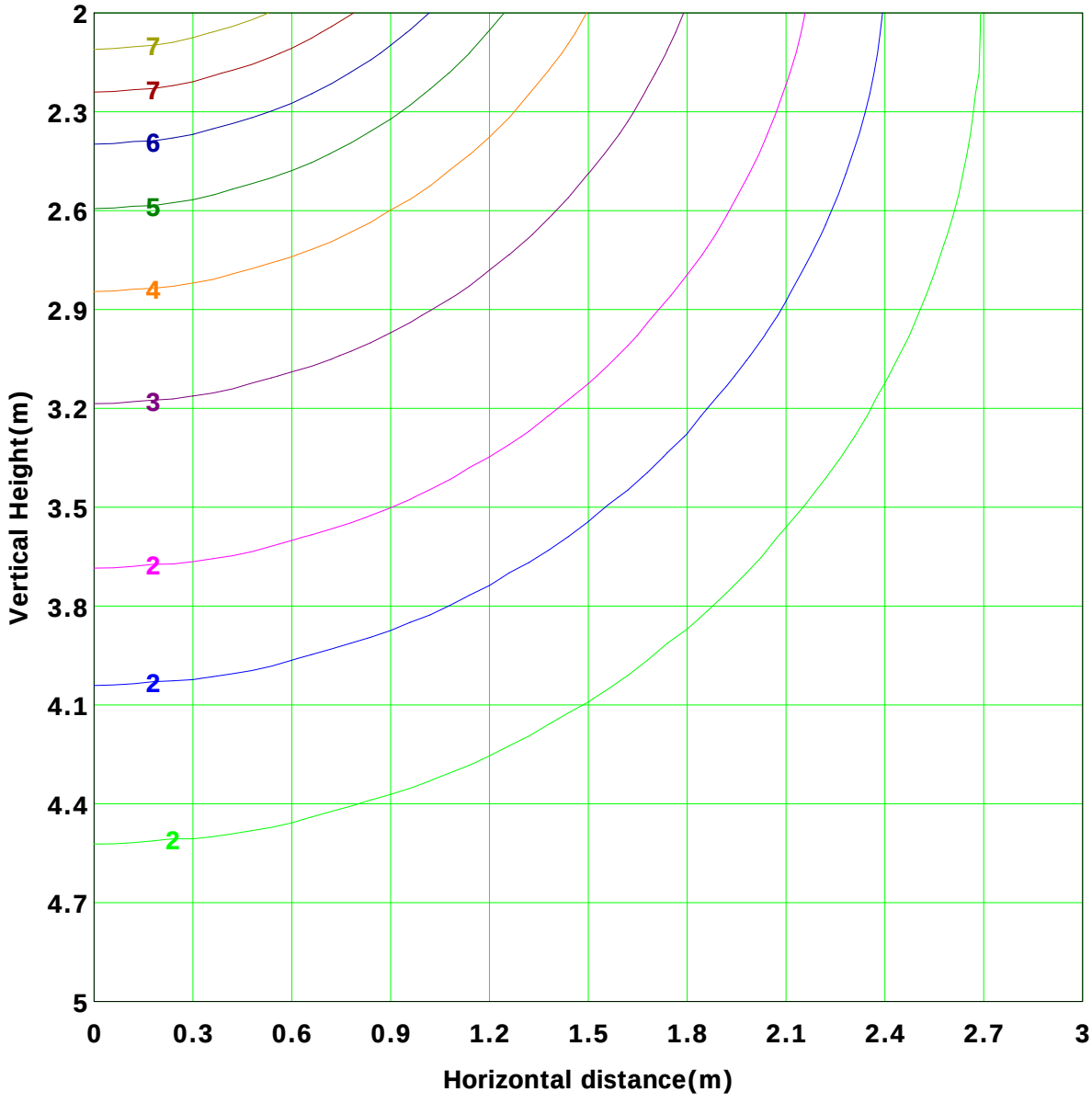
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	33.12	3.04/2.98	7.1	5.29
2.0	8.28	6.07/5.96	28.5	1.32
3.0	3.68	9.11/8.94	64.0	0.59
4.0	2.07	12.15/11.92	113.9	0.33
5.0	1.32	15.18/14.90	177.9	0.21
6.0	0.92	18.22/17.88	256.2	0.15
7.0	0.68	21.25/20.86	348.7	0.11
8.0	0.52	24.29/23.84	455.4	0.08
9.0	0.41	27.33/26.83	576.4	0.07
10.0	0.33	30.36/29.81	711.6	0.05

Beam Angle(B): H113.3 V112.3 Field Angle(F): H162.3 V161.1

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: 8.3 lx**
(10%): 0.8 lx		**(20%): 1.7 lx**	
(25%): 2.1 lx		**(30%): 2.5 lx**	
(40%): 3.3 lx		**(50%): 4.1 lx**	
(60%): 5.0 lx		**(70%): 5.8 lx**	
(80%): 6.6 lx		**(90%): 7.5 lx**	

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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

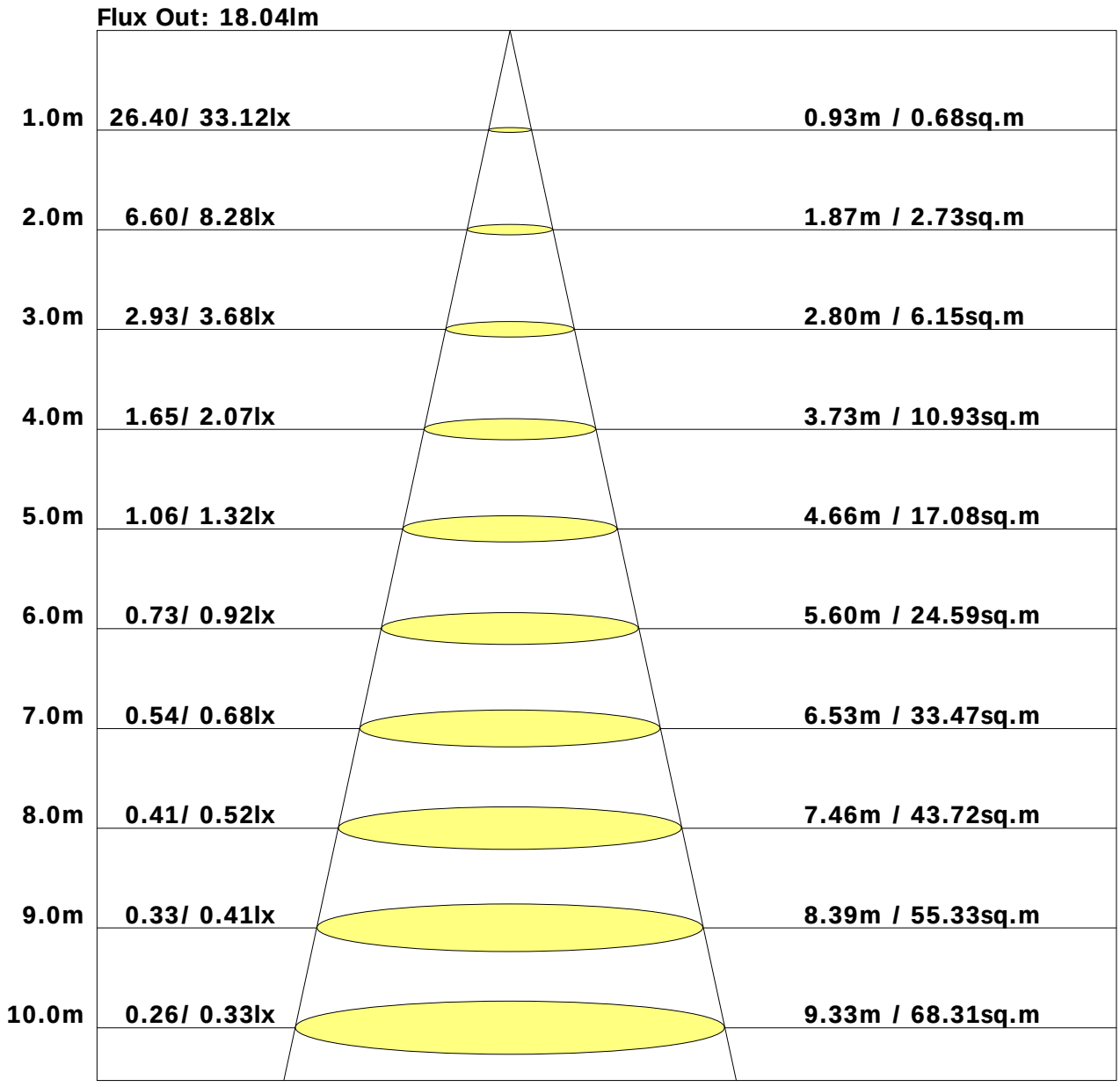
Vertical plane

Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4
-70	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.5	1.4
-60	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	3.1	3.0
-50	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	4.9	4.8
-40	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	6.8	6.7
-30	0.0	0.1	0.1	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	8.5	8.4
-20	0.0	0.2	0.2	0.3	0.5	0.6	0.7	0.8	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	9.8	9.7
-10	0.0	0.2	0.2	0.3	0.5	0.6	0.8	0.9	1.0	1.0	0.9	0.9	0.8	0.6	0.5	0.3	0.2	0.1	0.0	10.5	10.4
0	0.1	0.2	0.3	0.3	0.5	0.6	0.8	0.9	1.0	1.0	0.9	0.9	0.8	0.6	0.5	0.3	0.2	0.1	0.0	10.5	10.4
10	0.0	0.2	0.3	0.3	0.5	0.6	0.7	0.9	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	9.9	9.8
20	0.0	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	8.7	8.6
30	0.0	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	7.1	7.0
40	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.0	5.2	5.1
50	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	3.4	3.3
60	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	1.8	1.7
70	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.7	0.6
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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	1.6	1.4
Flux(E)	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	1.4	1.4

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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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	23.6	25.2	24.0	25.6	26.0	21.6	23.2	22.0	23.6	23.9
3H	25.6	27.0	26.0	27.4	27.8	23.0	24.4	23.4	24.8	25.2
4H	26.3	27.7	26.7	28.1	28.5	23.4	24.8	23.8	25.1	25.6
6H	26.9	28.1	27.3	28.5	29.0	23.6	24.9	24.0	25.3	25.7
8H	27.0	28.3	27.5	28.7	29.1	23.6	24.9	24.1	25.3	25.7
12H	27.2	28.3	27.6	28.8	29.2	23.7	24.8	24.1	25.2	25.7
X=4H Y=2H	24.0	25.3	24.4	25.7	26.1	22.3	23.6	22.7	24.0	24.4
3H	26.1	27.2	26.5	27.6	28.1	23.8	25.0	24.2	25.4	25.8
4H	26.9	27.9	27.4	28.4	28.9	24.3	25.3	24.8	25.8	26.3
6H	27.5	28.5	28.0	28.9	29.4	24.6	25.5	25.1	26.0	26.5
8H	27.8	28.6	28.2	29.1	29.6	24.7	25.5	25.1	26.0	26.5
12H	27.9	28.7	28.5	29.2	29.7	24.7	25.5	25.2	26.0	26.5
X=8H Y=4H	27.0	27.8	27.5	28.3	28.8	24.6	25.4	25.1	25.9	26.4
6H	27.7	28.4	28.2	28.9	29.4	24.9	25.7	25.5	26.2	26.7
8H	28.0	28.6	28.5	29.1	29.7	25.0	25.7	25.6	26.2	26.7
12H	28.2	28.8	28.7	29.3	29.9	25.1	25.7	25.6	26.2	26.8
X=12H Y=4H	27.0	27.8	27.5	28.3	28.8	24.6	25.4	25.1	25.9	26.4
6H	27.7	28.3	28.3	28.8	29.4	25.0	25.6	25.5	26.1	26.7
8H	28.0	28.6	28.5	29.1	29.7	25.1	25.7	25.6	26.2	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 = 1.25					
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.56	0.66	0.74	0.79	0.86	0.91	0.95	1.00	1.03
	0.30		0.48	0.58	0.66	0.72	0.80	0.86	0.90	0.95	0.99
	0.20		0.42	0.53	0.60	0.66	0.75	0.81	0.85	0.92	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.95	0.98
	0.30		0.47	0.57	0.64	0.70	0.78	0.83	0.87	0.92	0.95
	0.20		0.42	0.52	0.59	0.65	0.73	0.79	0.83	0.89	0.92
0.30	0.50	0.20	0.52	0.62	0.68	0.73	0.80	0.84	0.87	0.91	0.94
	0.30		0.46	0.56	0.63	0.68	0.75	0.80	0.84	0.89	0.92
	0.20		0.41	0.51	0.58	0.64	0.72	0.77	0.81	0.86	0.89
0.00	0.00	0.00	0.39	0.49	0.55	0.61	0.68	0.73	0.76	0.81	0.84

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: 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 = 1.25				
Room Reflectance			Room Index(RI)							
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	1.00	0.83	0.71	0.62	0.49	0.41	0.35	0.27	0.22
	0.30		0.84	0.71	0.62	0.54	0.44	0.37	0.32	0.25	0.21
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.30	0.24	0.20
0.50	0.50	0.20	0.96	0.79	0.67	0.59	0.47	0.42	0.33	0.26	0.21
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.71	0.61	0.53	0.48	0.39	0.33	0.29	0.23	0.19
0.30	0.50	0.20	0.93	0.76	0.65	0.56	0.45	0.37	0.32	0.24	0.20
	0.30		0.80	0.67	0.58	0.51	0.41	0.35	0.30	0.23	0.19
	0.20		0.70	0.60	0.52	0.47	0.38	0.32	0.28	0.22	0.19
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.17	0.14

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: 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 = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.18	0.19	0.20	0.21	0.22	0.22	0.22	0.23	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.22
	0.30		0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.17	0.19	0.19
	0.20		0.06	0.08	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

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: 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	32.4	0.0	0.0	0.03	0.03
1.0-2.0	32.4	0.1	0.1	0.10	0.13
2.0-3.0	32.4	0.2	0.3	0.16	0.30
3.0-4.0	32.3	0.2	0.5	0.23	0.52
4.0-5.0	32.3	0.3	0.8	0.29	0.82
5.0-6.0	32.2	0.3	1.1	0.36	1.18
6.0-7.0	32.2	0.4	1.5	0.42	1.60
7.0-8.0	32.1	0.5	2.0	0.49	2.09
8.0-9.0	32.0	0.5	2.5	0.55	2.63
9.0-10.0	31.9	0.6	3.1	0.61	3.24
10.0-11.0	31.8	0.6	3.7	0.67	3.92
11.0-12.0	31.6	0.7	4.4	0.73	4.65
12.0-13.0	31.5	0.7	5.1	0.79	5.44
13.0-14.0	31.4	0.8	5.9	0.85	6.29
14.0-15.0	31.2	0.9	6.8	0.91	7.20
15.0-16.0	31.0	0.9	7.7	0.96	8.16
16.0-17.0	30.8	1.0	8.7	1.02	9.17
17.0-18.0	30.7	1.0	9.7	1.07	10.24
18.0-19.0	30.5	1.1	10.7	1.12	11.37
19.0-20.0	30.2	1.1	11.8	1.17	12.54
20.0-21.0	30.0	1.2	13.0	1.22	13.76
21.0-22.0	29.8	1.2	14.2	1.27	15.02
22.0-23.0	29.6	1.2	15.4	1.31	16.34
23.0-24.0	29.3	1.3	16.7	1.35	17.69
24.0-25.0	29.0	1.3	18.0	1.40	19.09
25.0-26.0	28.7	1.4	19.4	1.44	20.52
26.0-27.0	28.4	1.4	20.8	1.47	22.00
27.0-28.0	28.2	1.4	22.2	1.51	23.50
28.0-29.0	27.9	1.5	23.7	1.54	25.05
29.0-30.0	27.6	1.5	25.2	1.57	26.62
30.0-31.0	27.2	1.5	26.7	1.60	28.22
31.0-32.0	26.9	1.5	28.2	1.63	29.86
32.0-33.0	26.6	1.6	29.8	1.66	31.51
33.0-34.0	26.2	1.6	31.4	1.68	33.19
34.0-35.0	25.8	1.6	33.0	1.70	34.89
35.0-36.0	25.5	1.6	34.6	1.72	36.61

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	25.1	1.6	36.2	1.73	38.34
37.0-38.0	24.7	1.7	37.9	1.75	40.09
38.0-39.0	24.3	1.7	39.5	1.76	41.85
39.0-40.0	23.9	1.7	41.2	1.77	43.61
40.0-41.0	23.5	1.7	42.9	1.77	45.39
41.0-42.0	23.1	1.7	44.6	1.78	47.17
42.0-43.0	22.7	1.7	46.3	1.78	48.95
43.0-44.0	22.3	1.7	47.9	1.78	50.73
44.0-45.0	21.8	1.7	49.6	1.78	52.50
45.0-46.0	21.4	1.7	51.3	1.77	54.27
46.0-47.0	21.0	1.7	53.0	1.76	56.04
47.0-48.0	20.5	1.7	54.6	1.75	57.79
48.0-49.0	20.0	1.6	56.3	1.74	59.53
49.0-50.0	19.6	1.6	57.9	1.73	61.26
50.0-51.0	19.1	1.6	59.5	1.71	62.97
51.0-52.0	18.6	1.6	61.1	1.69	64.66
52.0-53.0	18.1	1.6	62.7	1.67	66.33
53.0-54.0	17.6	1.6	64.2	1.65	67.98
54.0-55.0	17.2	1.5	65.8	1.62	69.60
55.0-56.0	16.7	1.5	67.3	1.59	71.19
56.0-57.0	16.1	1.5	68.7	1.56	72.75
57.0-58.0	15.6	1.4	70.2	1.53	74.28
58.0-59.0	15.1	1.4	71.6	1.50	75.78
59.0-60.0	14.6	1.4	73.0	1.46	77.24
60.0-61.0	14.1	1.3	74.3	1.42	78.66
61.0-62.0	13.6	1.3	75.6	1.38	80.04
62.0-63.0	13.0	1.3	76.9	1.34	81.38
63.0-64.0	12.5	1.2	78.1	1.29	82.67
64.0-65.0	11.9	1.2	79.3	1.25	83.92
65.0-66.0	11.4	1.1	80.4	1.20	85.13
66.0-67.0	10.9	1.1	81.5	1.15	86.28
67.0-68.0	10.3	1.0	82.6	1.10	87.38
68.0-69.0	9.8	1.0	83.6	1.05	88.44
69.0-70.0	9.2	0.9	84.5	1.00	89.44
70.0-71.0	8.6	0.9	85.4	0.95	90.38
71.0-72.0	8.1	0.8	86.3	0.89	91.27

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	7.5	0.8	87.0	0.83	92.11
73.0-74.0	7.0	0.7	87.8	0.78	92.89
74.0-75.0	6.5	0.7	88.5	0.72	93.61
75.0-76.0	5.9	0.6	89.1	0.66	94.28
76.0-77.0	5.4	0.6	89.7	0.61	94.88
77.0-78.0	4.9	0.5	90.2	0.55	95.44
78.0-79.0	4.4	0.5	90.7	0.50	95.93
79.0-80.0	3.9	0.4	91.1	0.44	96.37
80.0-81.0	3.4	0.4	91.4	0.39	96.76
81.0-82.0	2.9	0.3	91.8	0.34	97.10
82.0-83.0	2.5	0.3	92.0	0.29	97.39
83.0-84.0	2.1	0.2	92.3	0.25	97.64
84.0-85.0	1.8	0.2	92.5	0.21	97.84
85.0-86.0	1.5	0.2	92.6	0.17	98.01
86.0-87.0	1.2	0.1	92.8	0.14	98.15
87.0-88.0	1.0	0.1	92.9	0.11	98.26
88.0-89.0	0.7	0.1	92.9	0.08	98.35
89.0-90.0	0.6	0.1	93.0	0.06	98.41
90.0-91.0	0.4	0.0	93.0	0.05	98.46
91.0-92.0	0.4	0.0	93.1	0.04	98.51
92.0-93.0	0.3	0.0	93.1	0.04	98.55
93.0-94.0	0.3	0.0	93.2	0.03	98.58
94.0-95.0	0.3	0.0	93.2	0.03	98.61
95.0-96.0	0.3	0.0	93.2	0.03	98.64
96.0-97.0	0.2	0.0	93.2	0.03	98.67
97.0-98.0	0.2	0.0	93.3	0.03	98.70
98.0-99.0	0.2	0.0	93.3	0.03	98.73
99.0-100.0	0.2	0.0	93.3	0.03	98.76
100.0-101.0	0.2	0.0	93.3	0.03	98.78
101.0-102.0	0.2	0.0	93.4	0.03	98.81
102.0-103.0	0.2	0.0	93.4	0.03	98.84
103.0-104.0	0.2	0.0	93.4	0.03	98.86
104.0-105.0	0.2	0.0	93.4	0.02	98.89
105.0-106.0	0.2	0.0	93.5	0.02	98.91
106.0-107.0	0.2	0.0	93.5	0.02	98.94
107.0-108.0	0.2	0.0	93.5	0.02	98.96

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	0.2	0.0	93.5	0.02	98.98
109.0-110.0	0.2	0.0	93.6	0.02	99.00
110.0-111.0	0.2	0.0	93.6	0.02	99.02
111.0-112.0	0.2	0.0	93.6	0.02	99.05
112.0-113.0	0.2	0.0	93.6	0.02	99.07
113.0-114.0	0.2	0.0	93.6	0.02	99.09
114.0-115.0	0.2	0.0	93.7	0.02	99.11
115.0-116.0	0.2	0.0	93.7	0.02	99.14
116.0-117.0	0.2	0.0	93.7	0.02	99.16
117.0-118.0	0.2	0.0	93.7	0.02	99.18
118.0-119.0	0.2	0.0	93.7	0.02	99.19
119.0-120.0	0.2	0.0	93.8	0.02	99.21
120.0-121.0	0.2	0.0	93.8	0.02	99.23
121.0-122.0	0.2	0.0	93.8	0.02	99.25
122.0-123.0	0.2	0.0	93.8	0.02	99.27
123.0-124.0	0.2	0.0	93.8	0.02	99.29
124.0-125.0	0.2	0.0	93.8	0.02	99.31
125.0-126.0	0.2	0.0	93.9	0.02	99.33
126.0-127.0	0.2	0.0	93.9	0.02	99.35
127.0-128.0	0.2	0.0	93.9	0.02	99.36
128.0-129.0	0.2	0.0	93.9	0.02	99.38
129.0-130.0	0.2	0.0	93.9	0.02	99.40
130.0-131.0	0.2	0.0	94.0	0.02	99.42
131.0-132.0	0.2	0.0	94.0	0.02	99.44
132.0-133.0	0.2	0.0	94.0	0.02	99.46
133.0-134.0	0.2	0.0	94.0	0.02	99.48
134.0-135.0	0.2	0.0	94.0	0.02	99.49
135.0-136.0	0.2	0.0	94.0	0.02	99.51
136.0-137.0	0.2	0.0	94.1	0.02	99.53
137.0-138.0	0.2	0.0	94.1	0.02	99.55
138.0-139.0	0.2	0.0	94.1	0.02	99.57
139.0-140.0	0.2	0.0	94.1	0.02	99.59
140.0-141.0	0.2	0.0	94.1	0.02	99.60
141.0-142.0	0.2	0.0	94.1	0.02	99.62
142.0-143.0	0.2	0.0	94.2	0.02	99.64
143.0-144.0	0.3	0.0	94.2	0.02	99.65

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	0.3	0.0	94.2	0.02	99.67
145.0-146.0	0.2	0.0	94.2	0.02	99.69
146.0-147.0	0.3	0.0	94.2	0.02	99.70
147.0-148.0	0.3	0.0	94.2	0.02	99.72
148.0-149.0	0.3	0.0	94.2	0.02	99.73
149.0-150.0	0.3	0.0	94.3	0.02	99.75
150.0-151.0	0.3	0.0	94.3	0.02	99.77
151.0-152.0	0.3	0.0	94.3	0.02	99.78
152.0-153.0	0.3	0.0	94.3	0.01	99.80
153.0-154.0	0.3	0.0	94.3	0.01	99.81
154.0-155.0	0.3	0.0	94.3	0.01	99.82
155.0-156.0	0.3	0.0	94.3	0.01	99.84
156.0-157.0	0.3	0.0	94.4	0.01	99.85
157.0-158.0	0.3	0.0	94.4	0.01	99.86
158.0-159.0	0.3	0.0	94.4	0.01	99.87
159.0-160.0	0.3	0.0	94.4	0.01	99.88
160.0-161.0	0.3	0.0	94.4	0.01	99.89
161.0-162.0	0.3	0.0	94.4	0.01	99.91
162.0-163.0	0.3	0.0	94.4	0.01	99.92
163.0-164.0	0.3	0.0	94.4	0.01	99.92
164.0-165.0	0.3	0.0	94.4	0.01	99.93
165.0-166.0	0.3	0.0	94.4	0.01	99.94
166.0-167.0	0.3	0.0	94.5	0.01	99.95
167.0-168.0	0.3	0.0	94.5	0.01	99.96
168.0-169.0	0.3	0.0	94.5	0.01	99.96
169.0-170.0	0.3	0.0	94.5	0.01	99.97
170.0-171.0	0.3	0.0	94.5	0.01	99.97
171.0-172.0	0.3	0.0	94.5	0.01	99.98
172.0-173.0	0.3	0.0	94.5	0.00	99.98
173.0-174.0	0.3	0.0	94.5	0.00	99.99
174.0-175.0	0.3	0.0	94.5	0.00	99.99
175.0-176.0	0.3	0.0	94.5	0.00	99.99
176.0-177.0	0.3	0.0	94.5	0.00	100.00
177.0-178.0	0.3	0.0	94.5	0.00	100.00
178.0-179.0	0.3	0.0	94.5	0.00	100.00
179.0-180.0	0.3	0.0	94.5	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: