ACOLYTE
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Report No.: **Test Time: 2020/11/19 17:26**

Luminaire Property

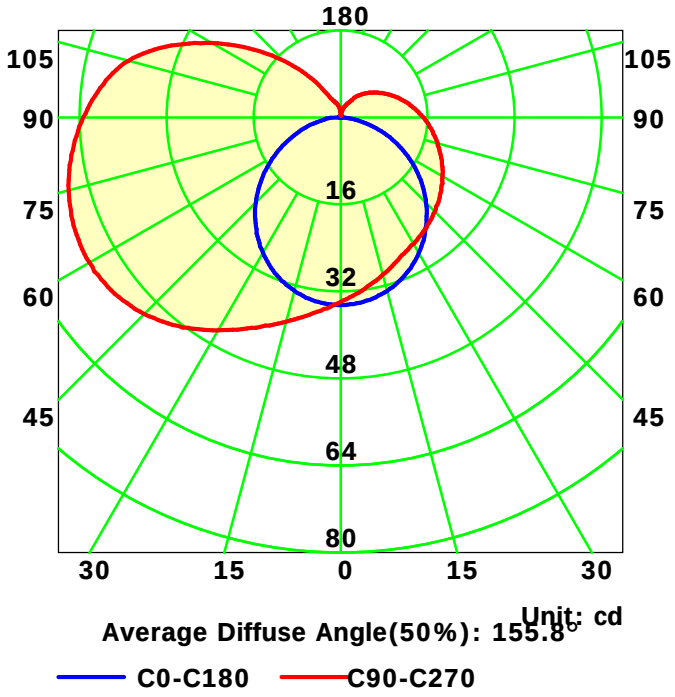
Luminaire Manufacturer:
Luminaire Category: Contour Plus 5.0
Luminaire Description: NEON+RB90SWS2205.035-12N
Lamp Catalog: 12N-35 **Lamp Description: 2835 3500K**
Number of Lamps: 160 **Luminous Length (mm): 500**
Luminous Width (mm): 10 **Luminous Height (mm): 23**
Voltage: 24.0 V **Current: 0.362 A**
Power: 8.68 W **Power Factor: 1.000**

Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 228.8 lm**
Measurement Flux: 228.8 lm **Efficiency: 100%**
Downward Ratio: 73% **Upward Ratio: 27%**
Horizontal Diffuse Angle(10%,50%): H161,H108.9
Vertical Diffuse Angle(10%,50%): V299.2,V202.7
Luminaire Efficacy Rating (LER): 26 **Central Intensity: 34.65 cd**
Max. Intensity: 53.67 cd **Pos of Max. Intensity: H270 V58**

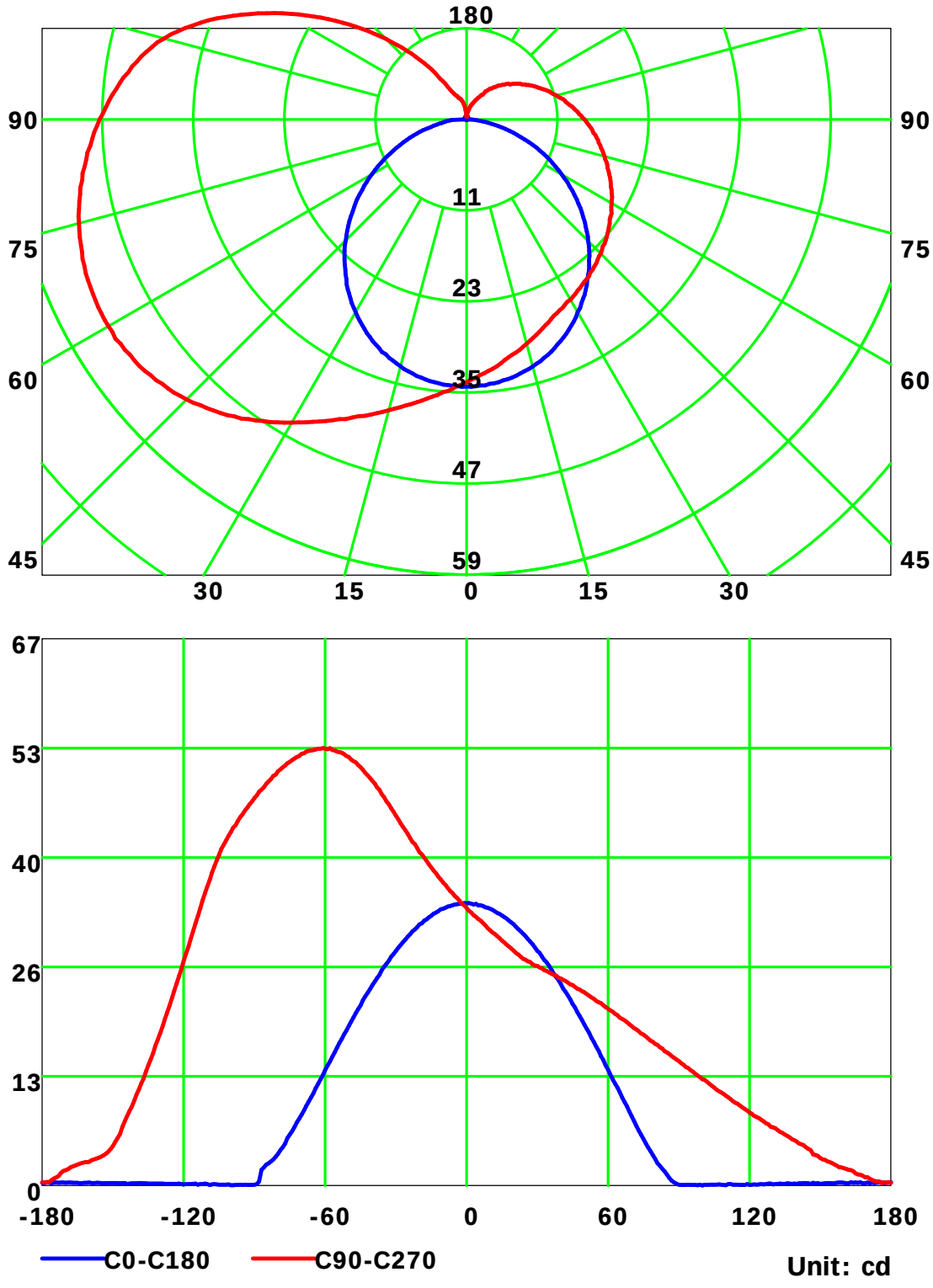
Picture Of Luminaire

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:**

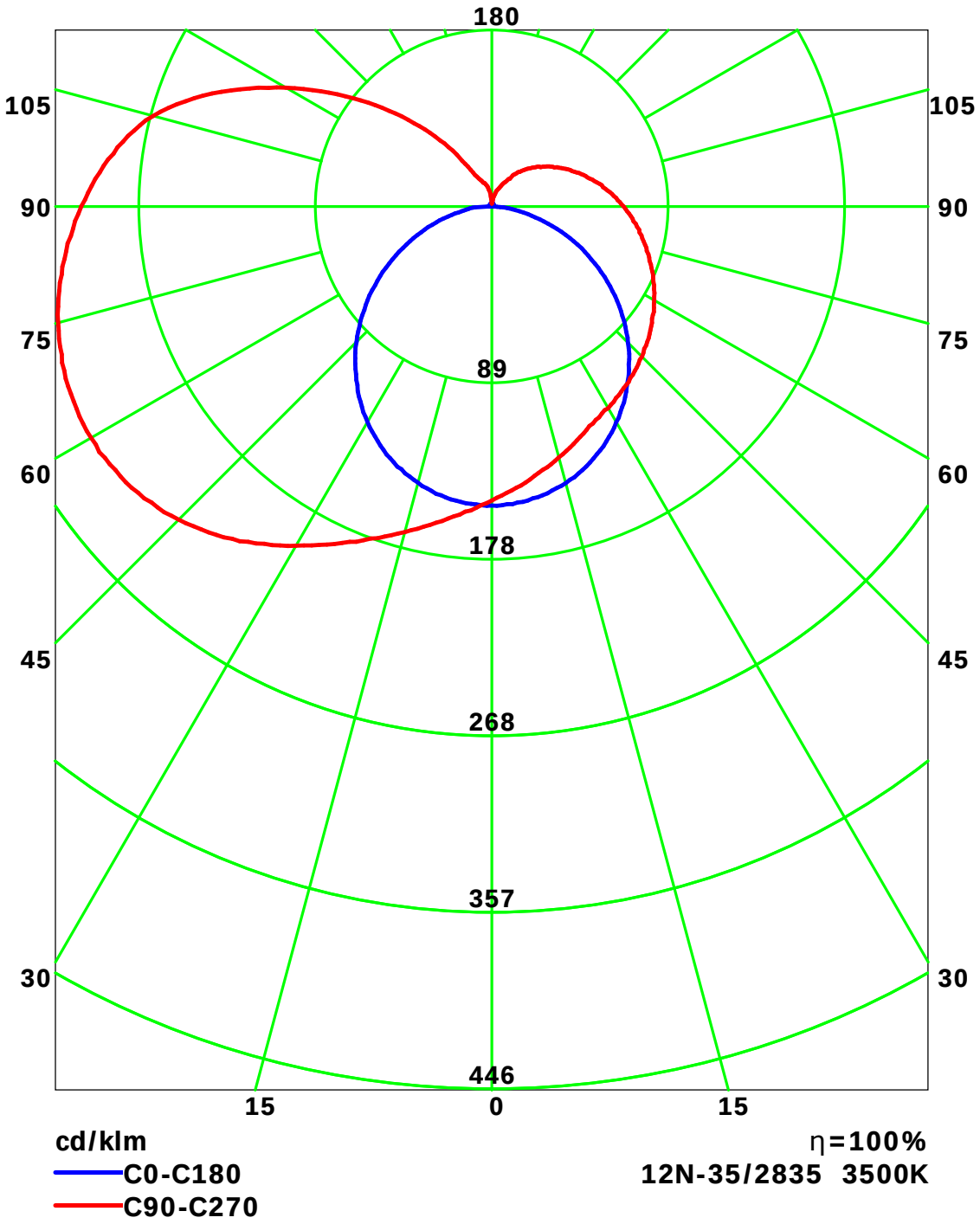
Luminous Intensity Distribution Curve



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:

Luminous Intensity Distribution Curve(cd/klm)



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

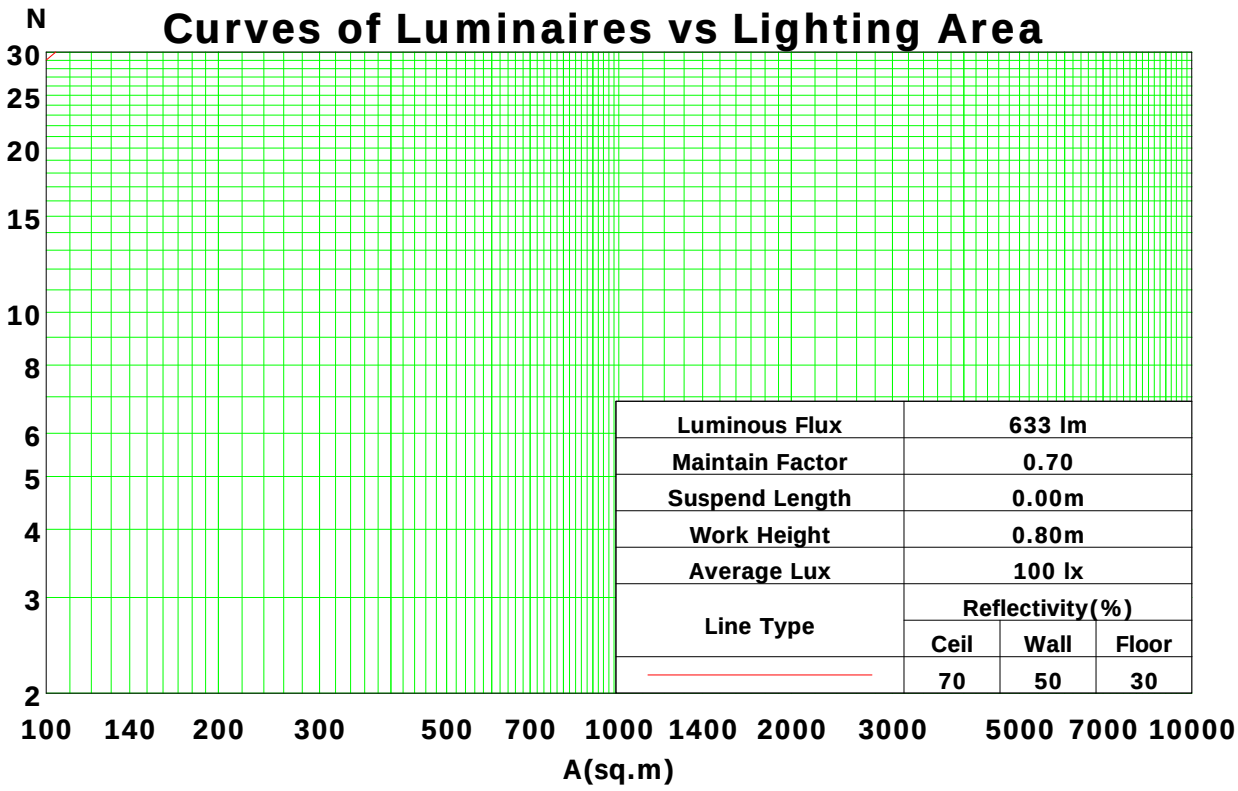
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	98	92	86	81	93	87	82	77	78	74	70	69	66	63	61	59	56	52
2	88	78	70	63	82	74	66	60	66	60	54	58	53	49	51	47	44	40
3	79	67	58	50	74	63	55	48	56	49	44	50	44	40	44	40	36	32
4	72	59	49	41	67	55	46	40	49	42	36	44	38	33	39	34	30	26
5	66	52	42	35	61	49	40	33	44	36	30	39	33	28	34	29	25	22
6	60	46	37	30	57	44	35	29	39	32	26	35	29	24	31	26	22	19
7	56	41	32	26	52	39	31	25	35	28	23	32	25	21	28	23	19	16
8	52	37	29	23	48	36	27	22	32	25	20	29	23	18	26	20	17	14
9	48	34	26	20	45	33	25	19	29	23	18	26	21	16	24	19	15	13
10	45	31	23	18	42	30	22	17	27	20	16	24	19	15	22	17	13	11

Spacing Criteria (0-180): 1.24
Spacing Criteria (90-270): 1.66
Spacing Criteria (Diagonal): 1.60

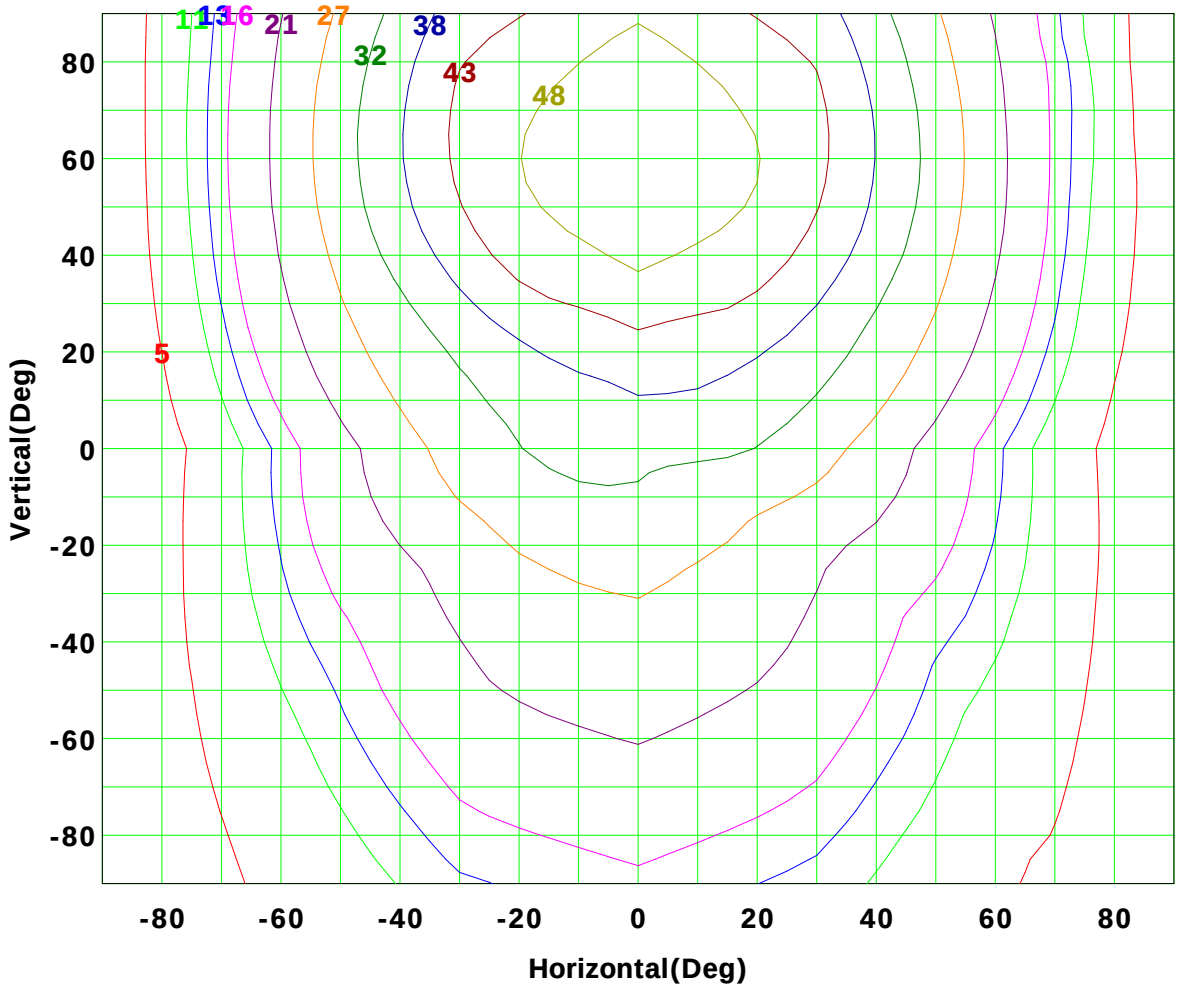
Curves of Luminaires vs Lighting Area



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)



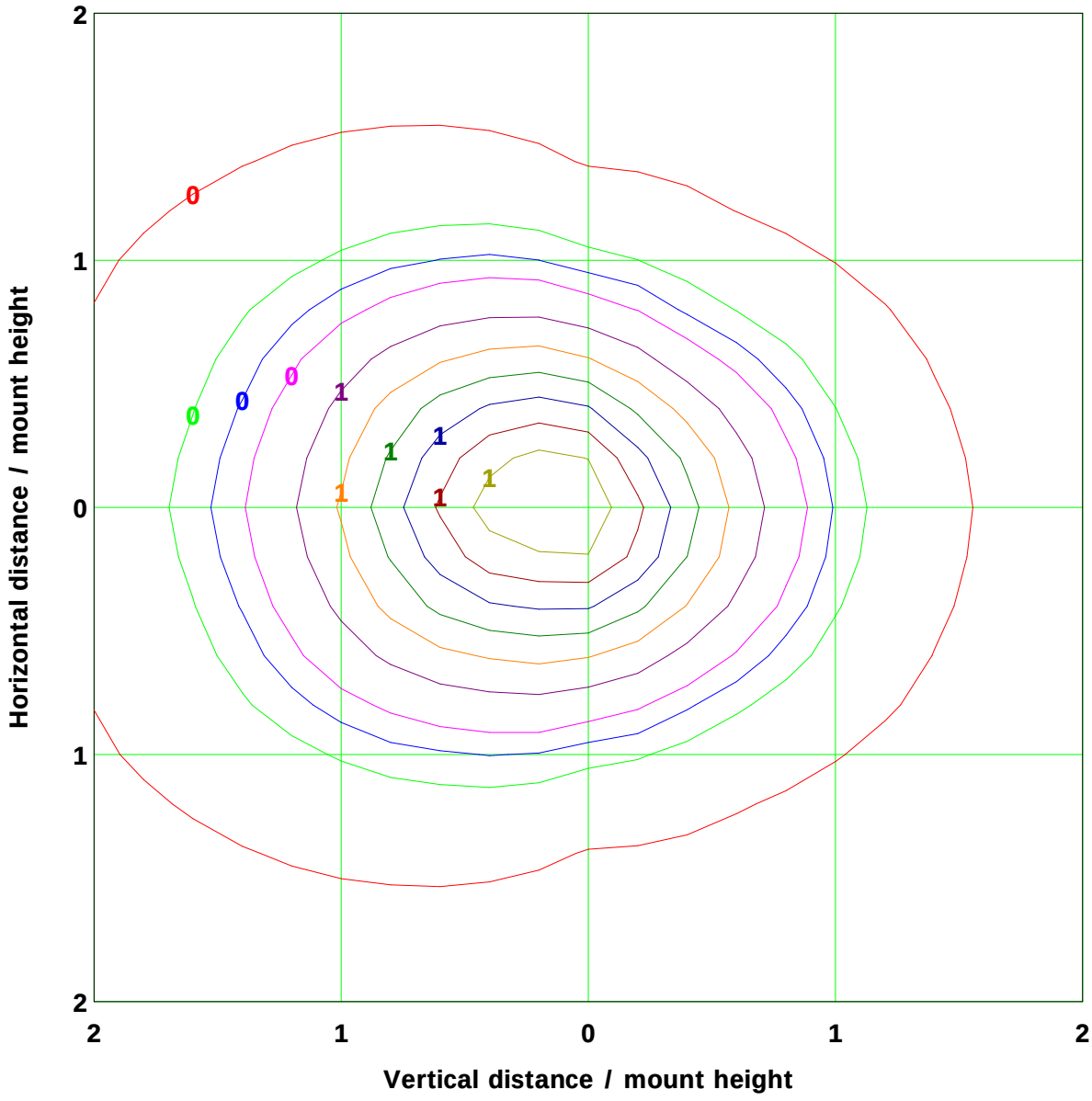
Imax (100%): 54 cd

(10%):	5 cd	(20%):	11 cd
(25%):	13 cd	(30%):	16 cd
(40%):	21 cd	(50%):	27 cd
(60%):	32 cd	(70%):	38 cd
(80%):	43 cd	(90%):	48 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%): 1.4 lx

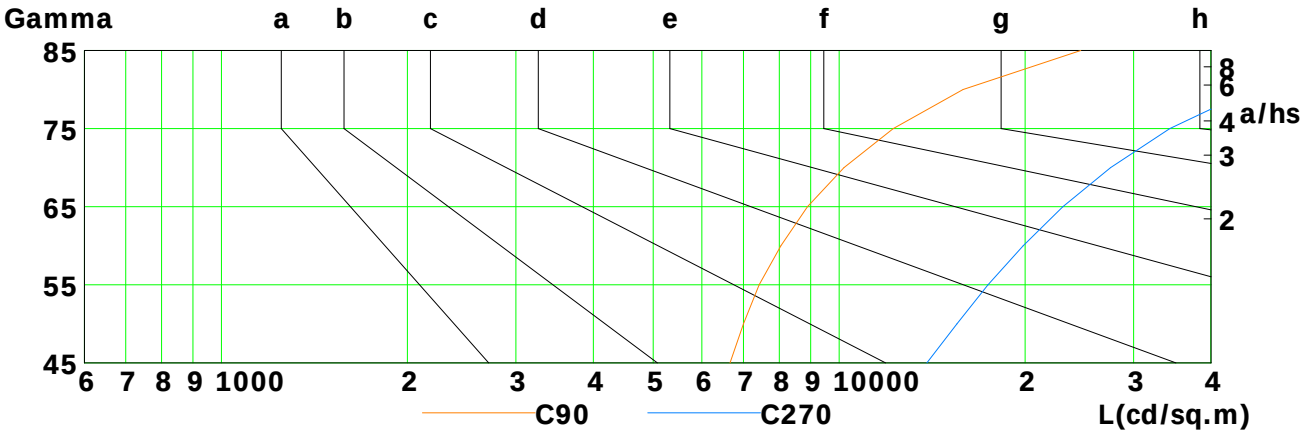
(10%): 0.1 lx	(20%): 0.3 lx
(25%): 0.4 lx	(30%): 0.4 lx
(40%): 0.6 lx	(50%): 0.7 lx
(60%): 0.9 lx	(70%): 1.0 lx
(80%): 1.1 lx	(90%): 1.3 lx

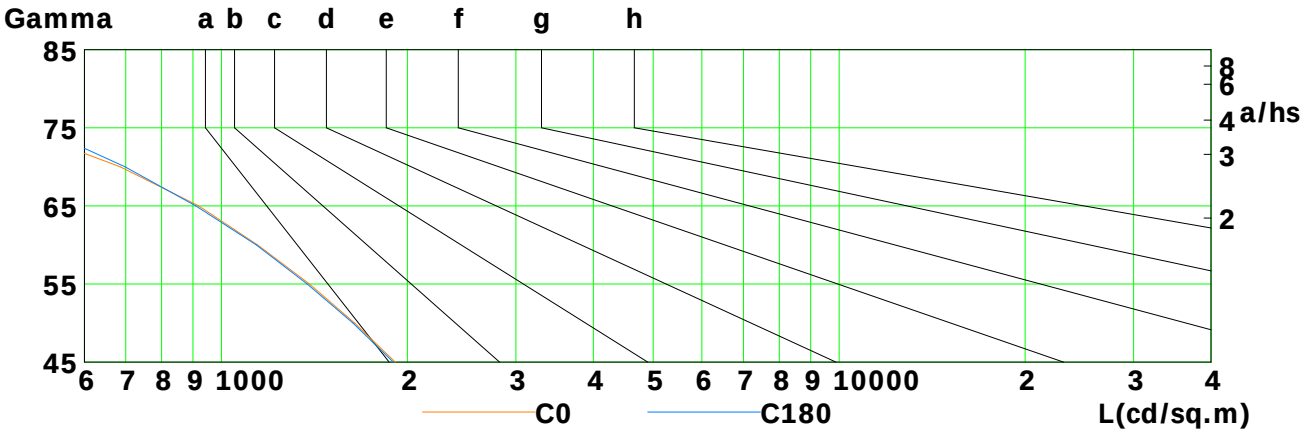
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



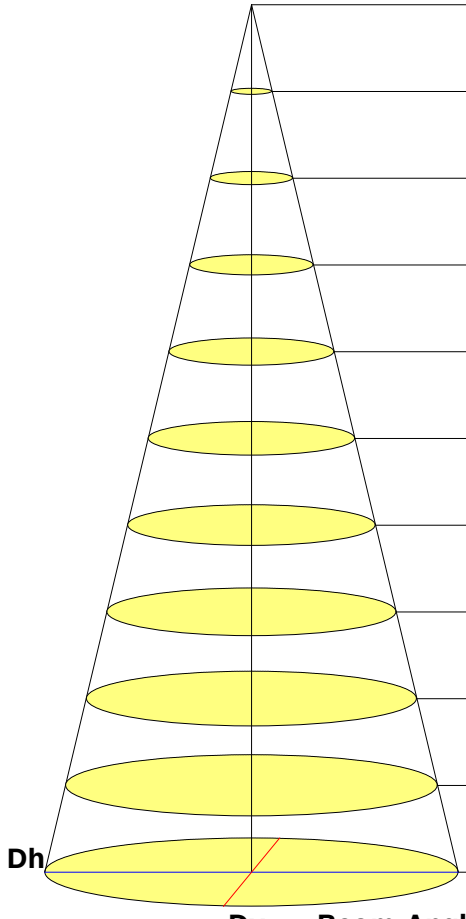


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1912	1644	1389	1145	919	686	465	270	118
C90	6660	7003	7421	8051	8895	10186	12234	15885	24635
C180	1899	1633	1378	1139	909	698	509	321	222
C270	13880	15513	17423	19865	23032	27510	34302	46440	74206

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



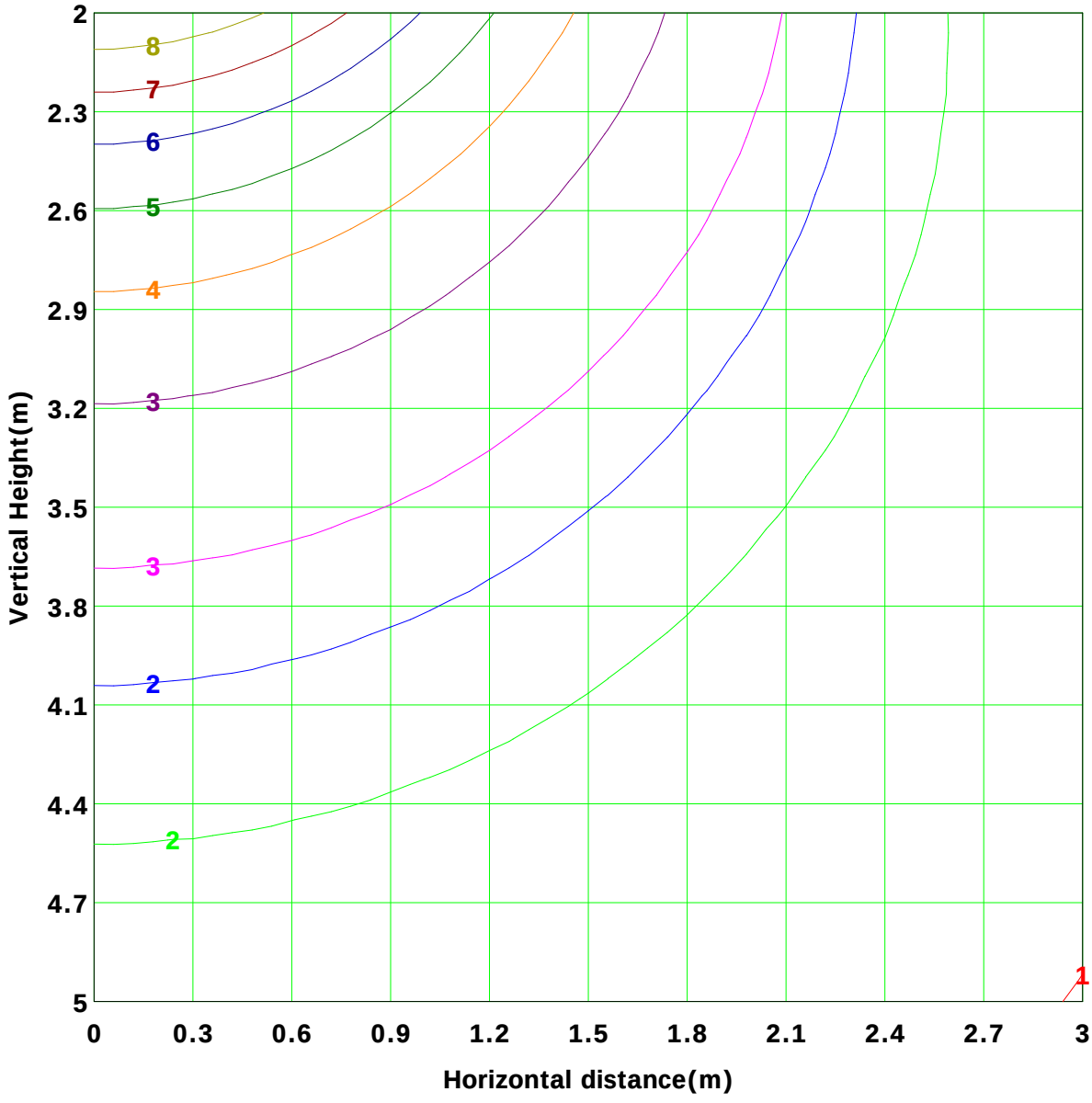
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	34.65	2.80/NA	NA	NA
2.0	8.66	5.59/NA	NA	NA
3.0	3.85	8.39/NA	NA	NA
4.0	2.17	11.19/NA	NA	NA
5.0	1.39	13.99/NA	NA	NA
6.0	0.96	16.78/NA	NA	NA
7.0	0.71	19.58/NA	NA	NA
8.0	0.54	22.38/NA	NA	NA
9.0	0.43	25.17/NA	NA	NA
10.0	0.35	27.97/NA	NA	NA

Beam Angle(B): H108.9 V202.7 Field Angle(F): H161.0 V299.2

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: 8.7 lx

(10%): 0.9 lx	(20%): 1.7 lx
(25%): 2.2 lx	(30%): 2.6 lx
(40%): 3.5 lx	(50%): 4.3 lx
(60%): 5.2 lx	(70%): 6.1 lx
(80%): 6.9 lx	(90%): 7.8 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

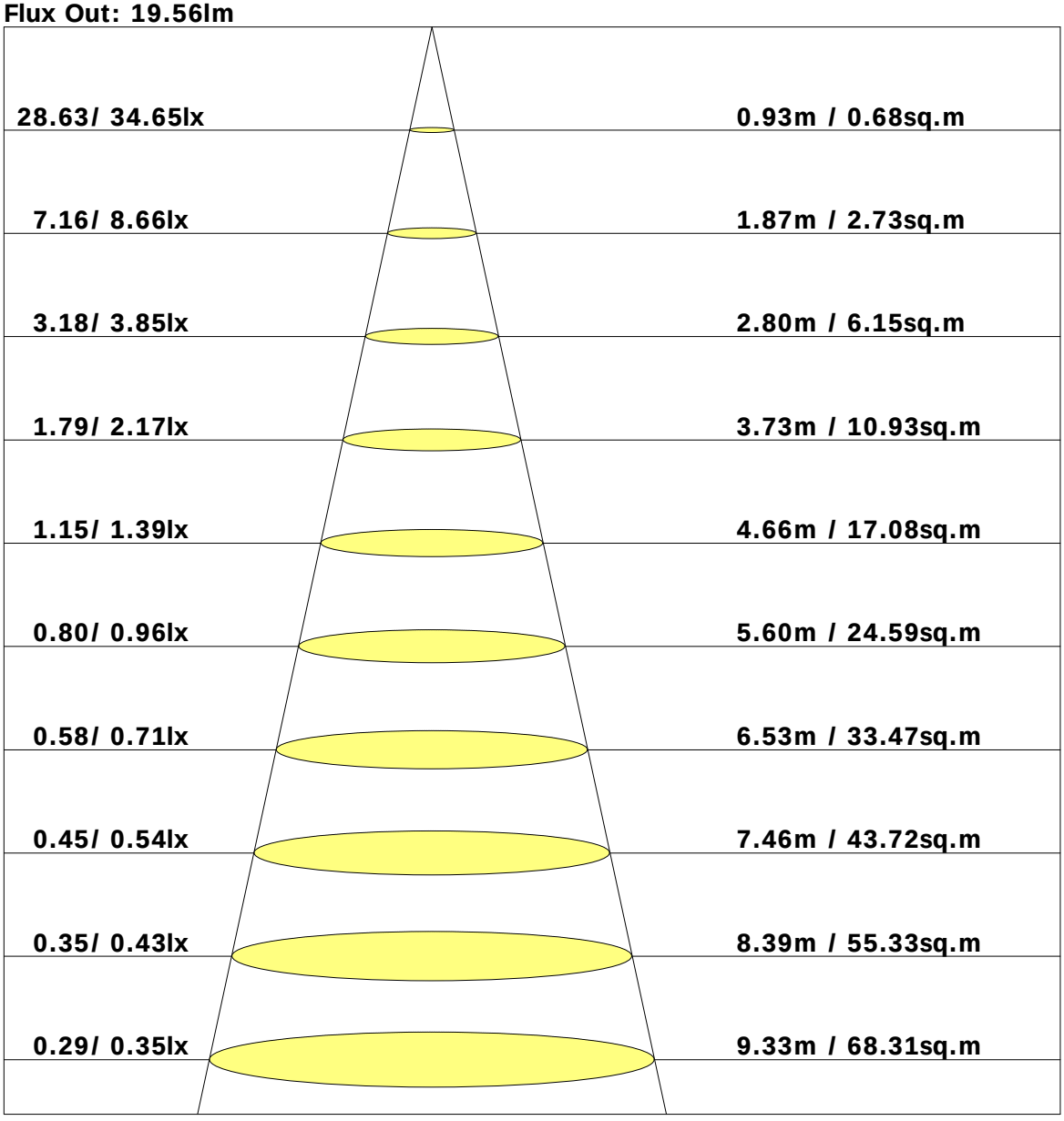
Horizontal plane	Vertical plane																									Flux(T)	Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)						
-90	0.0	0.1	0.2	0.4	0.7	1.0	1.2	1.3	1.5	1.5	1.5	1.3	1.2	1.0	0.7	0.4	0.2	0.1	0.0	0.2	0.1						
-80	0.0	0.1	0.2	0.5	0.7	1.0	1.2	1.4	1.5	1.5	1.6	1.5	1.3	1.2	0.7	0.5	0.2	0.1	0.0	1.2	1.0						
-70	0.0	0.1	0.2	0.5	0.7	1.0	1.3	1.5	1.6	1.6	1.6	1.5	1.3	1.3	0.7	0.5	0.2	0.1	0.0	3.1	3.0						
-60	0.0	0.1	0.2	0.5	0.7	1.0	1.3	1.5	1.6	1.6	1.6	1.5	1.4	1.3	0.7	0.5	0.2	0.1	0.0	5.7	5.7						
-50	0.0	0.1	0.2	0.5	0.7	1.0	1.3	1.4	1.5	1.5	1.5	1.4	1.3	1.2	0.7	0.5	0.2	0.1	0.0	8.9	8.9						
-40	0.0	0.1	0.2	0.4	0.7	0.9	1.1	1.3	1.4	1.4	1.4	1.3	1.2	1.0	0.6	0.4	0.2	0.1	0.0	12.3	12.3						
-30	0.0	0.1	0.2	0.4	0.6	0.8	1.1	1.2	1.3	1.3	1.3	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0	15.5	15.5						
-20	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.2	1.2	1.1	0.9	0.8	0.6	0.4	0.2	0.1	0.0	17.7	17.7						
-10	0.0	0.1	0.2	0.4	0.6	0.7	0.9	1.0	1.1	1.1	1.1	1.0	0.9	0.7	0.5	0.3	0.2	0.1	0.0	19.1	19.1						
0	0.0	0.1	0.2	0.4	0.6	0.7	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.5	0.3	0.2	0.1	0.0	19.1	19.1						
10	0.0	0.1	0.2	0.4	0.6	0.7	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.5	0.3	0.2	0.1	0.0	17.7	17.7						
20	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.0	15.5	15.5						
30	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	12.4	12.4						
40	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	9.0	9.0						
50	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	5.8	5.8						
60	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	3.1	3.1						
70	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	1.1	0.9						
80	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.0						
90	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	168							
Flux(T)	12.8	13.4	13.8	13.7	13.2	12.3	11.3	10.3	9.4	8.6	8.0	7.3	6.8	6.4	5.9	5.3	4.8	4.2	4.1								
Flux(E)	12.7	13.4	13.8	13.7	13.2	12.3	11.3	10.3	9.4	8.6	7.9	7.3	6.8	6.3	5.8	5.3	4.7	4.1	167								

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

Flux Out: 19.56lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	28.63/ 34.65lx		0.93m / 0.68sq.m
2.0m	7.16/ 8.66lx		1.87m / 2.73sq.m
3.0m	3.18/ 3.85lx		2.80m / 6.15sq.m
4.0m	1.79/ 2.17lx		3.73m / 10.93sq.m
5.0m	1.15/ 1.39lx		4.66m / 17.08sq.m
6.0m	0.80/ 0.96lx		5.60m / 24.59sq.m
7.0m	0.58/ 0.71lx		6.53m / 33.47sq.m
8.0m	0.45/ 0.54lx		7.46m / 43.72sq.m
9.0m	0.35/ 0.43lx		8.39m / 55.33sq.m
10.0m	0.29/ 0.35lx		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	18.5	19.8	19.2	20.5	21.4	16.2	17.5	16.9	18.2	19.1
3H	20.4	21.6	21.1	22.3	23.3	18.5	19.7	19.3	20.5	21.4
4H	21.1	22.3	21.9	23.0	23.9	19.6	20.8	20.4	21.5	22.4
6H	21.7	22.7	22.4	23.5	24.4	20.7	21.7	21.4	22.5	23.4
8H	21.8	22.8	22.6	23.6	24.6	21.2	22.2	21.9	23.0	23.9
12H	21.9	22.9	22.7	23.7	24.7	21.7	22.6	22.4	23.4	24.4
X=4H Y=2H	19.5	20.7	20.3	21.4	22.3	16.8	17.9	17.5	18.7	19.6
3H	21.7	22.7	22.5	23.5	24.4	19.4	20.4	20.1	21.2	22.1
4H	22.6	23.6	23.4	24.4	25.3	20.6	21.5	21.4	22.3	23.3
6H	23.4	24.2	24.2	25.0	26.0	21.9	22.7	22.7	23.5	24.5
8H	23.7	24.4	24.5	25.3	26.2	22.5	23.2	23.3	24.1	25.0
12H	23.9	24.6	24.7	25.4	26.4	23.1	23.8	23.9	24.6	25.6
X=8H Y=4H	23.5	24.3	24.3	25.1	26.1	21.0	21.7	21.8	22.6	23.5
6H	24.6	25.2	25.4	26.1	27.1	22.4	23.1	23.3	24.0	24.9
8H	25.0	25.6	25.9	26.5	27.5	23.2	23.8	24.0	24.6	25.7
12H	25.4	26.0	26.2	26.8	27.9	24.0	24.5	24.8	25.4	26.4
X=12H Y=4H	23.8	24.5	24.6	25.3	26.3	21.0	21.7	21.8	22.5	23.5
6H	25.0	25.6	25.8	26.4	27.4	22.5	23.1	23.4	24.0	25.0
8H	25.5	26.1	26.4	26.9	28.0	23.4	23.9	24.2	24.8	25.8

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	0.44	0.51	0.58	0.63	0.71	0.76	0.79	0.85	0.88
	0.30		0.35	0.43	0.50	0.55	0.63	0.69	0.73	0.79	0.83
	0.20		0.30	0.36	0.43	0.49	0.57	0.63	0.67	0.74	0.79
0.50	0.50	0.20	0.40	0.46	0.52	0.57	0.63	0.68	0.71	0.76	0.79
	0.30		0.33	0.39	0.45	0.50	0.57	0.62	0.66	0.71	0.75
	0.20		0.27	0.34	0.40	0.45	0.52	0.57	0.61	0.67	0.71
0.30	0.50	0.20	0.36	0.41	0.47	0.51	0.56	0.60	0.63	0.67	0.70
	0.30		0.30	0.35	0.41	0.45	0.51	0.56	0.59	0.64	0.67
	0.20		0.25	0.31	0.37	0.41	0.47	0.52	0.55	0.61	0.64
0.00	0.00	0.00	0.21	0.25	0.30	0.34	0.39	0.43	0.46	0.51	0.54

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 = 1.50								
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	1.04	0.91	0.80	0.71	0.59	0.51	0.45	0.36	0.30
	0.30		0.87	0.78	0.69	0.63	0.54	0.47	0.41	0.34	0.29
	0.20		0.75	0.68	0.62	0.57	0.49	0.43	0.39	0.32	0.28
0.50	0.50	0.20	0.95	0.83	0.73	0.65	0.54	0.49	0.41	0.33	0.28
	0.30		0.81	0.72	0.64	0.58	0.50	0.43	0.39	0.32	0.27
	0.20		0.70	0.64	0.58	0.53	0.46	0.40	0.36	0.30	0.26
0.30	0.50	0.20	0.87	0.76	0.66	0.60	0.50	0.43	0.38	0.31	0.26
	0.30		0.75	0.67	0.59	0.54	0.46	0.40	0.36	0.29	0.25
	0.20		0.65	0.60	0.54	0.49	0.43	0.38	0.34	0.28	0.24
0.00	0.00	0.00	0.53	0.48	0.43	0.40	0.34	0.30	0.27	0.23	0.20

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 = 1.50								
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	0.43	0.44	0.45	0.46	0.47	0.47	0.47	0.48	0.48
	0.30		0.36	0.37	0.38	0.39	0.41	0.42	0.42	0.43	0.44
	0.20		0.30	0.32	0.33	0.34	0.36	0.37	0.38	0.40	0.41
0.50	0.50	0.20	0.41	0.43	0.43	0.44	0.45	0.45	0.45	0.46	0.46
	0.30		0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43
	0.20		0.30	0.31	0.32	0.33	0.35	0.36	0.37	0.39	0.40
0.30	0.50	0.20	0.40	0.41	0.42	0.42	0.43	0.43	0.44	0.44	0.44
	0.30		0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.40	0.41
	0.20		0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38
0.00	0.00	0.00	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27

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	33.9	0.0	0.0	0.01	0.01
1.0-2.0	33.9	0.1	0.1	0.04	0.06
2.0-3.0	33.9	0.2	0.3	0.07	0.13
3.0-4.0	33.9	0.2	0.5	0.10	0.23
4.0-5.0	33.8	0.3	0.8	0.13	0.35
5.0-6.0	33.8	0.4	1.2	0.16	0.51
6.0-7.0	33.8	0.4	1.6	0.18	0.69
7.0-8.0	33.8	0.5	2.1	0.21	0.90
8.0-9.0	33.7	0.5	2.6	0.24	1.14
9.0-10.0	33.7	0.6	3.2	0.27	1.41
10.0-11.0	33.6	0.7	3.9	0.29	1.70
11.0-12.0	33.6	0.7	4.6	0.32	2.02
12.0-13.0	33.5	0.8	5.4	0.35	2.37
13.0-14.0	33.5	0.9	6.3	0.37	2.75
14.0-15.0	33.4	0.9	7.2	0.40	3.15
15.0-16.0	33.4	1.0	8.2	0.43	3.58
16.0-17.0	33.3	1.0	9.2	0.45	4.03
17.0-18.0	33.2	1.1	10.3	0.48	4.51
18.0-19.0	33.2	1.2	11.5	0.50	5.01
19.0-20.0	33.1	1.2	12.7	0.53	5.54
20.0-21.0	33.0	1.3	13.9	0.55	6.10
21.0-22.0	32.9	1.3	15.3	0.58	6.67
22.0-23.0	32.8	1.4	16.6	0.60	7.28
23.0-24.0	32.7	1.4	18.1	0.63	7.90
24.0-25.0	32.6	1.5	19.6	0.65	8.55
25.0-26.0	32.5	1.5	21.1	0.67	9.22
26.0-27.0	32.4	1.6	22.7	0.69	9.91
27.0-28.0	32.3	1.6	24.3	0.72	10.63
28.0-29.0	32.2	1.7	26.0	0.74	11.37
29.0-30.0	32.1	1.7	27.7	0.76	12.12
30.0-31.0	32.0	1.8	29.5	0.78	12.90
31.0-32.0	31.9	1.8	31.3	0.80	13.70
32.0-33.0	31.8	1.9	33.2	0.82	14.52
33.0-34.0	31.7	1.9	35.1	0.84	15.36
34.0-35.0	31.6	2.0	37.1	0.86	16.22
35.0-36.0	31.5	2.0	39.1	0.88	17.10

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	31.4	2.0	41.2	0.89	17.99
37.0-38.0	31.2	2.1	43.2	0.91	18.90
38.0-39.0	31.1	2.1	45.4	0.93	19.83
39.0-40.0	31.0	2.2	47.5	0.94	20.78
40.0-41.0	30.8	2.2	49.7	0.96	21.74
41.0-42.0	30.7	2.2	52.0	0.97	22.71
42.0-43.0	30.5	2.3	54.2	0.99	23.70
43.0-44.0	30.4	2.3	56.5	1.00	24.70
44.0-45.0	30.2	2.3	58.8	1.02	25.72
45.0-46.0	30.1	2.4	61.2	1.03	26.75
46.0-47.0	29.9	2.4	63.6	1.04	27.79
47.0-48.0	29.7	2.4	66.0	1.05	28.84
48.0-49.0	29.5	2.4	68.4	1.06	29.90
49.0-50.0	29.3	2.4	70.8	1.07	30.97
50.0-51.0	29.1	2.5	73.3	1.08	32.04
51.0-52.0	28.9	2.5	75.8	1.09	33.13
52.0-53.0	28.8	2.5	78.3	1.09	34.22
53.0-54.0	28.5	2.5	80.8	1.10	35.32
54.0-55.0	28.3	2.5	83.3	1.11	36.43
55.0-56.0	28.1	2.5	85.9	1.11	37.54
56.0-57.0	27.9	2.5	88.4	1.11	38.65
57.0-58.0	27.7	2.6	91.0	1.12	39.77
58.0-59.0	27.4	2.6	93.5	1.12	40.89
59.0-60.0	27.1	2.6	96.1	1.12	42.01
60.0-61.0	26.9	2.6	98.7	1.12	43.13
61.0-62.0	26.7	2.6	101.2	1.12	44.26
62.0-63.0	26.4	2.6	103.8	1.12	45.38
63.0-64.0	26.1	2.6	106.4	1.12	46.50
64.0-65.0	25.9	2.6	108.9	1.12	47.62
65.0-66.0	25.6	2.6	111.5	1.12	48.74
66.0-67.0	25.3	2.5	114.0	1.11	49.85
67.0-68.0	25.0	2.5	116.6	1.11	50.96
68.0-69.0	24.7	2.5	119.1	1.10	52.06
69.0-70.0	24.5	2.5	121.6	1.10	53.16
70.0-71.0	24.2	2.5	124.1	1.09	54.25
71.0-72.0	23.9	2.5	126.6	1.08	55.33

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	23.6	2.5	129.0	1.08	56.41
73.0-74.0	23.3	2.4	131.5	1.07	57.48
74.0-75.0	23.0	2.4	133.9	1.06	58.54
75.0-76.0	22.7	2.4	136.3	1.05	59.60
76.0-77.0	22.4	2.4	138.7	1.04	60.64
77.0-78.0	22.1	2.4	141.1	1.03	61.67
78.0-79.0	21.8	2.3	143.4	1.02	62.70
79.0-80.0	21.5	2.3	145.7	1.01	63.71
80.0-81.0	21.2	2.3	148.0	1.00	64.71
81.0-82.0	20.9	2.3	150.3	0.99	65.71
82.0-83.0	20.7	2.2	152.6	0.98	66.69
83.0-84.0	20.4	2.2	154.8	0.97	67.66
84.0-85.0	20.2	2.2	157.0	0.96	68.62
85.0-86.0	19.9	2.2	159.2	0.95	69.57
86.0-87.0	19.6	2.1	161.3	0.94	70.51
87.0-88.0	19.3	2.1	163.4	0.93	71.44
88.0-89.0	19.0	2.1	165.5	0.91	72.35
89.0-90.0	18.8	2.1	167.6	0.90	73.25
90.0-91.0	18.6	2.0	169.6	0.89	74.14
91.0-92.0	18.4	2.0	171.6	0.88	75.02
92.0-93.0	18.1	2.0	173.6	0.87	75.89
93.0-94.0	18.0	2.0	175.6	0.86	76.75
94.0-95.0	17.7	1.9	177.5	0.85	77.60
95.0-96.0	17.5	1.9	179.4	0.84	78.43
96.0-97.0	17.3	1.9	181.3	0.82	79.26
97.0-98.0	17.1	1.9	183.2	0.81	80.07
98.0-99.0	16.8	1.8	185.0	0.80	80.86
99.0-100.0	16.5	1.8	186.8	0.78	81.64
100.0-101.0	16.3	1.8	188.5	0.77	82.41
101.0-102.0	16.0	1.7	190.2	0.75	83.16
102.0-103.0	15.7	1.7	191.9	0.73	83.90
103.0-104.0	15.4	1.6	193.6	0.72	84.62
104.0-105.0	15.1	1.6	195.2	0.70	85.32
105.0-106.0	14.7	1.6	196.7	0.68	86.00
106.0-107.0	14.4	1.5	198.2	0.66	86.66
107.0-108.0	14.1	1.5	199.7	0.64	87.30

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	13.7	1.4	201.1	0.62	87.93
109.0-110.0	13.3	1.4	202.5	0.60	88.53
110.0-111.0	13.0	1.3	203.8	0.58	89.11
111.0-112.0	12.7	1.3	205.1	0.56	89.68
112.0-113.0	12.3	1.2	206.4	0.54	90.22
113.0-114.0	11.9	1.2	207.6	0.52	90.75
114.0-115.0	11.6	1.2	208.7	0.51	91.25
115.0-116.0	11.3	1.1	209.9	0.49	91.74
116.0-117.0	10.9	1.1	210.9	0.47	92.21
117.0-118.0	10.6	1.0	212.0	0.45	92.66
118.0-119.0	10.2	1.0	212.9	0.43	93.09
119.0-120.0	9.9	0.9	213.9	0.41	93.50
120.0-121.0	9.6	0.9	214.8	0.40	93.90
121.0-122.0	9.2	0.9	215.7	0.38	94.27
122.0-123.0	8.9	0.8	216.5	0.36	94.63
123.0-124.0	8.6	0.8	217.3	0.34	94.98
124.0-125.0	8.3	0.7	218.0	0.33	95.31
125.0-126.0	8.0	0.7	218.7	0.31	95.62
126.0-127.0	7.7	0.7	219.4	0.30	95.91
127.0-128.0	7.4	0.6	220.0	0.28	96.19
128.0-129.0	7.1	0.6	220.7	0.26	96.46
129.0-130.0	6.8	0.6	221.2	0.25	96.71
130.0-131.0	6.5	0.5	221.8	0.24	96.94
131.0-132.0	6.2	0.5	222.3	0.22	97.17
132.0-133.0	5.9	0.5	222.8	0.21	97.38
133.0-134.0	5.7	0.5	223.2	0.20	97.58
134.0-135.0	5.5	0.4	223.6	0.19	97.76
135.0-136.0	5.2	0.4	224.0	0.18	97.94
136.0-137.0	5.0	0.4	224.4	0.16	98.10
137.0-138.0	4.7	0.4	224.8	0.15	98.26
138.0-139.0	4.5	0.3	225.1	0.14	98.40
139.0-140.0	4.3	0.3	225.4	0.13	98.54
140.0-141.0	4.1	0.3	225.7	0.13	98.66
141.0-142.0	3.9	0.3	226.0	0.12	98.78
142.0-143.0	3.7	0.2	226.2	0.11	98.88
143.0-144.0	3.4	0.2	226.4	0.10	98.98

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	3.2	0.2	226.6	0.09	99.07
145.0-146.0	3.1	0.2	226.8	0.08	99.16
146.0-147.0	2.9	0.2	227.0	0.08	99.23
147.0-148.0	2.7	0.2	227.2	0.07	99.30
148.0-149.0	2.5	0.1	227.3	0.06	99.36
149.0-150.0	2.4	0.1	227.4	0.06	99.42
150.0-151.0	2.3	0.1	227.6	0.05	99.48
151.0-152.0	2.2	0.1	227.7	0.05	99.53
152.0-153.0	2.1	0.1	227.8	0.05	99.57
153.0-154.0	2.0	0.1	227.9	0.04	99.61
154.0-155.0	1.9	0.1	228.0	0.04	99.65
155.0-156.0	1.8	0.1	228.0	0.04	99.69
156.0-157.0	1.8	0.1	228.1	0.03	99.72
157.0-158.0	1.7	0.1	228.2	0.03	99.76
158.0-159.0	1.7	0.1	228.3	0.03	99.78
159.0-160.0	1.6	0.1	228.3	0.03	99.81
160.0-161.0	1.6	0.1	228.4	0.02	99.84
161.0-162.0	1.5	0.1	228.4	0.02	99.86
162.0-163.0	1.5	0.0	228.5	0.02	99.88
163.0-164.0	1.4	0.0	228.5	0.02	99.90
164.0-165.0	1.3	0.0	228.6	0.02	99.92
165.0-166.0	1.2	0.0	228.6	0.01	99.93
166.0-167.0	1.1	0.0	228.6	0.01	99.94
167.0-168.0	1.1	0.0	228.7	0.01	99.95
168.0-169.0	1.0	0.0	228.7	0.01	99.96
169.0-170.0	0.9	0.0	228.7	0.01	99.97
170.0-171.0	0.9	0.0	228.7	0.01	99.98
171.0-172.0	0.8	0.0	228.7	0.01	99.98
172.0-173.0	0.7	0.0	228.7	0.00	99.99
173.0-174.0	0.6	0.0	228.7	0.00	99.99
174.0-175.0	0.6	0.0	228.7	0.00	100.00
175.0-176.0	0.5	0.0	228.7	0.00	100.00
176.0-177.0	0.4	0.0	228.8	0.00	100.00
177.0-178.0	0.4	0.0	228.8	0.00	100.00
178.0-179.0	0.4	0.0	228.8	0.00	100.00
179.0-180.0	0.4	0.0	228.8	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: