ACOLYTE
https://www.genledbrands.com/
Tel:+1 212 629 68304(USA)
Fax:(+1) 210 360 1454

Report No.: **Test Time: 2021/2/18 11:24**

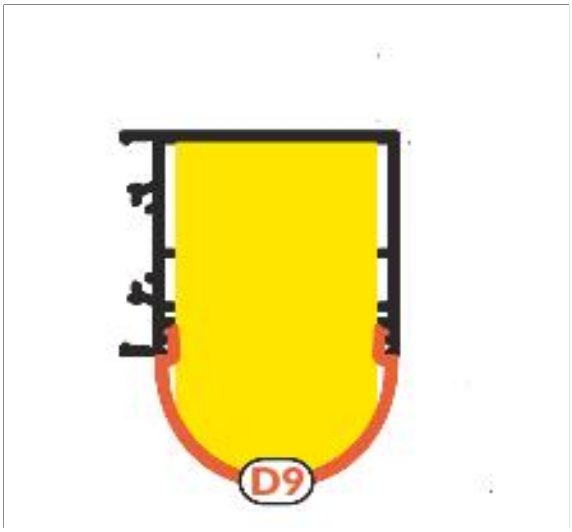
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: CHANNEL
Luminaire Description: AW38
Lamp Catalog: RIBBONLYTE
Lamp Description: RB90SWS2203.030
Number of Lamps: 2 ROWS
Luminous Length (mm): 500
Luminous Width (mm): 38
Luminous Height (mm): 53.3
Voltage: 24.0 V
Current: 0.448 A
Power: 10.75 W
Power Factor: 1.000

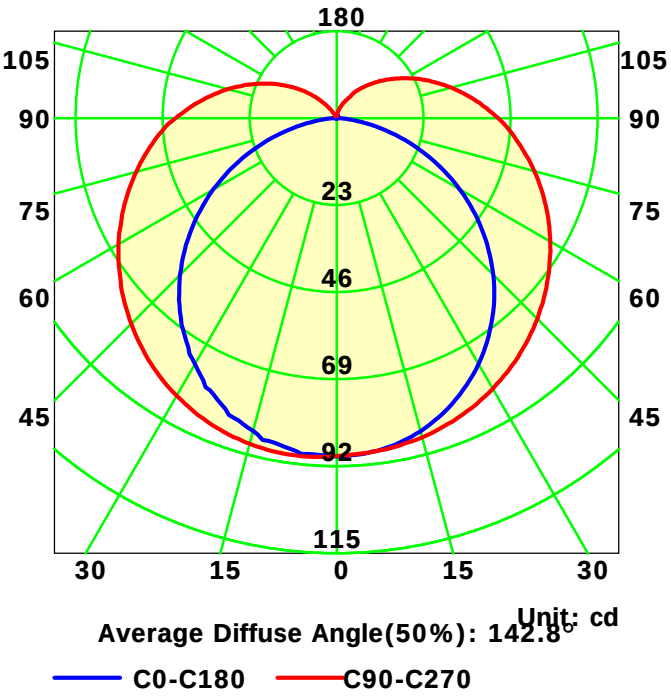
Photometric Results

CIE Class: Semi-Direct
Total Rated Lamp Lumens: 411.2 lm
Measurement Flux: 411.2 lm
Efficiency: 100%
Downward Ratio: 84%
Upward Ratio: 16%
Horizontal Diffuse Angle(10%,50%): H158.6,H110.4
Vertical Diffuse Angle(10%,50%): V277.1,V175.1
Luminaire Efficacy Rating (LER): 38
Central Intensity: 90.09 cd
Max. Intensity: 90.57 cd
Pos of Max. Intensity: H270 V6

Picture Of Luminaire



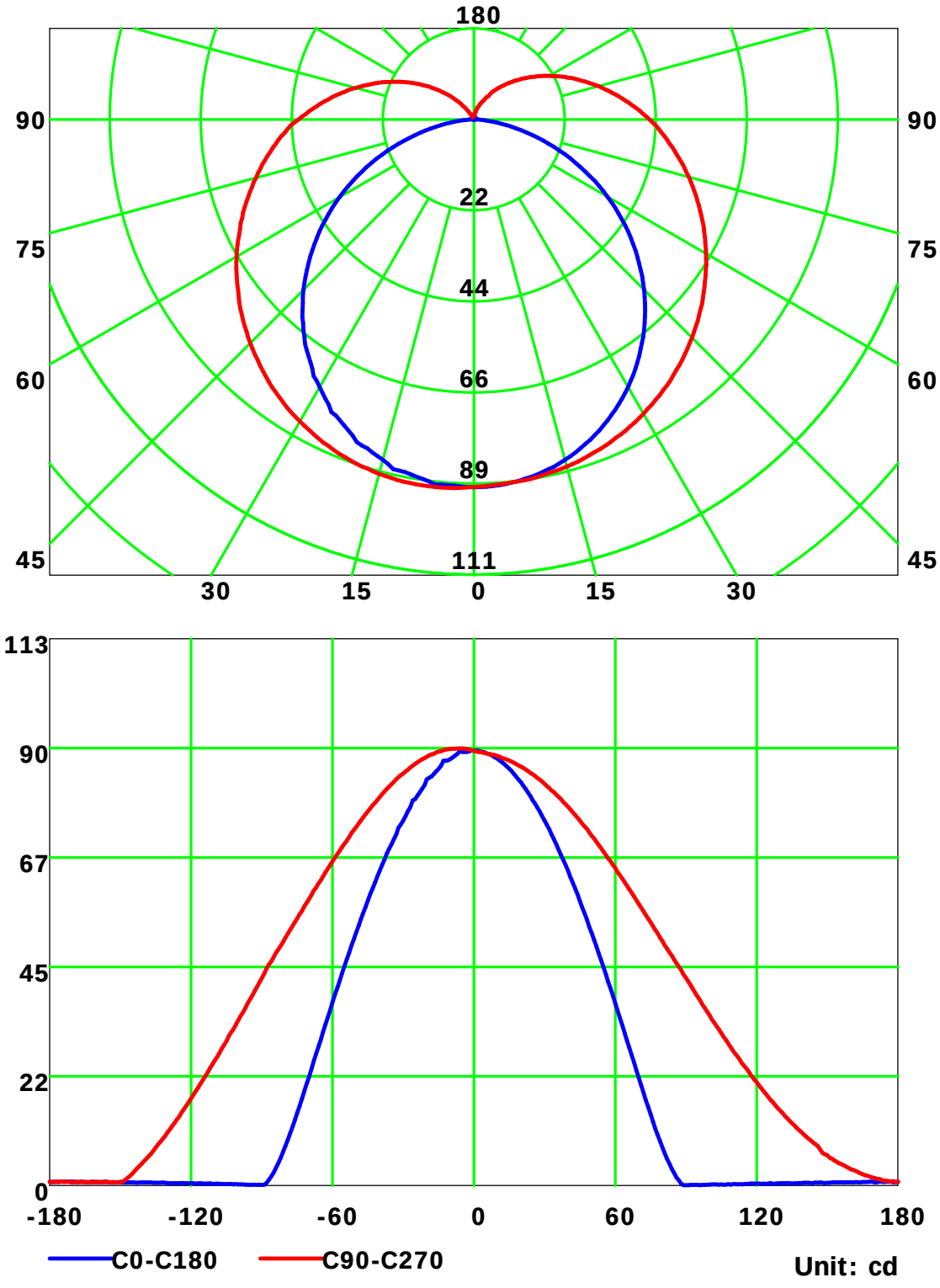
Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 142.8°
C0-C180 **C90-C270**

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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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
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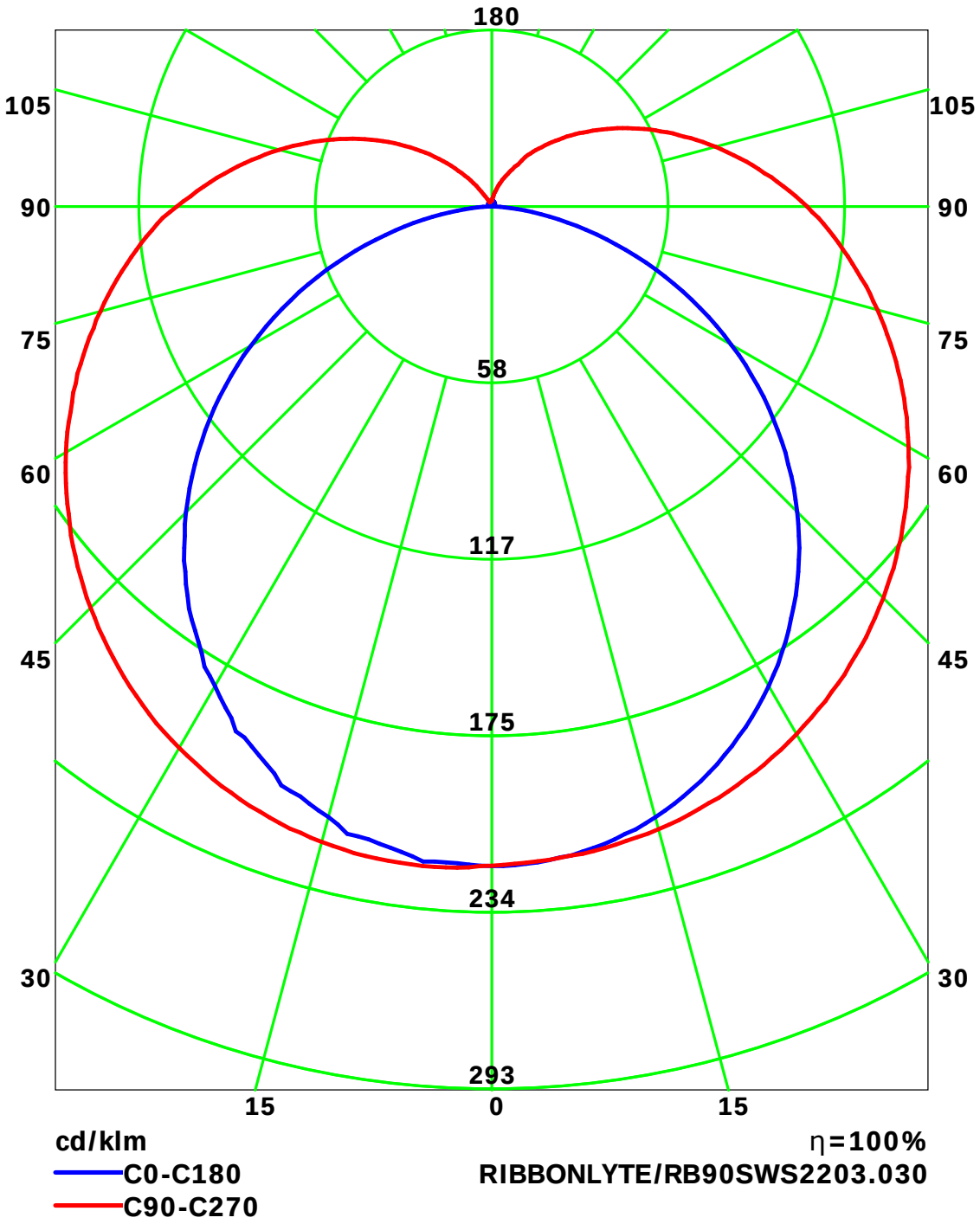
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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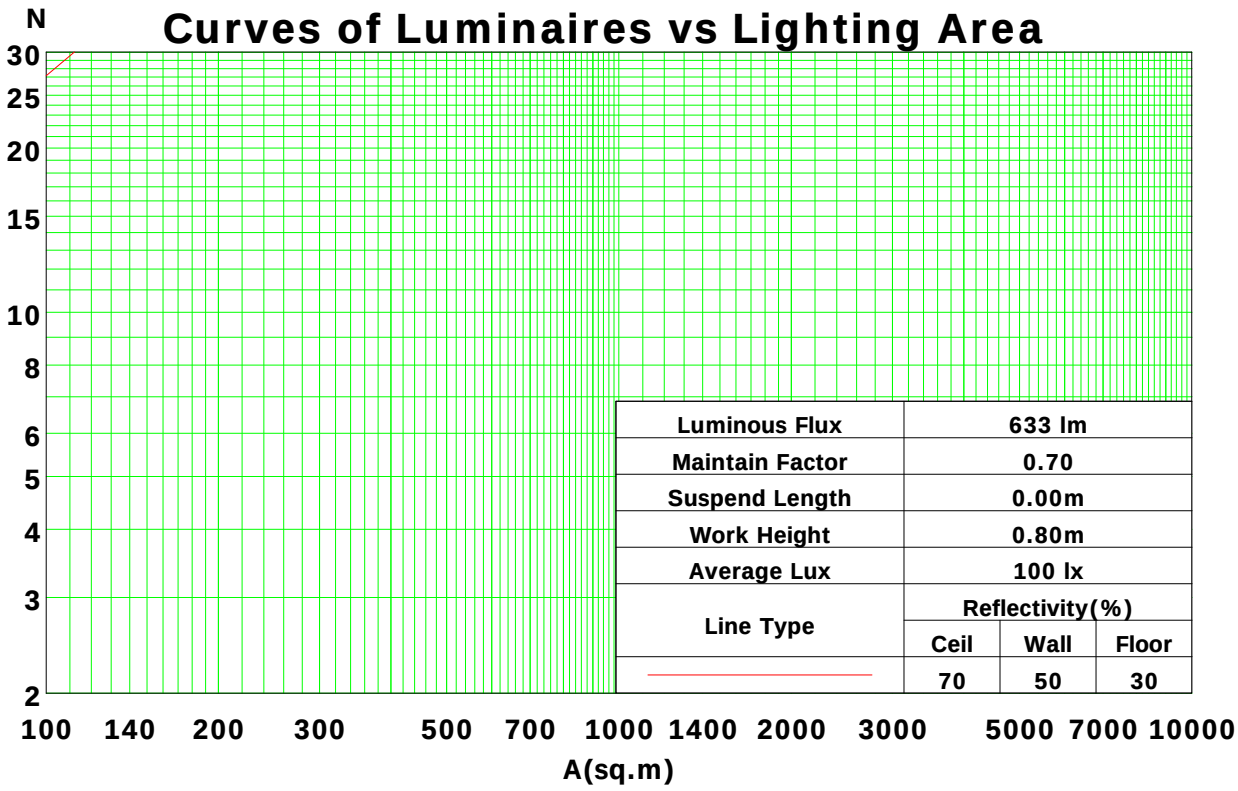
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84
1	102	96	91	86	97	92	87	83	85	81	77	78	75	72	72	69	67	63
2	91	82	74	67	87	79	71	65	72	66	61	66	62	57	61	57	54	51
3	83	71	62	55	79	68	60	53	63	56	50	58	52	47	53	48	44	41
4	75	62	53	46	72	60	51	44	55	48	42	51	45	40	47	42	37	35
5	69	55	46	39	66	53	44	38	49	42	36	45	39	34	42	36	32	29
6	64	49	40	33	60	48	39	33	44	37	31	41	34	29	38	32	28	25
7	59	45	36	29	56	43	35	28	40	33	27	37	31	26	34	29	25	22
8	55	41	32	26	52	39	31	25	36	29	24	34	28	23	32	26	22	20
9	51	37	29	23	49	36	28	22	33	26	21	31	25	21	29	24	20	18
10	48	34	26	21	45	33	25	20	31	24	19	29	23	19	27	22	18	16

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.40
Spacing Criteria (Diagonal): 1.47

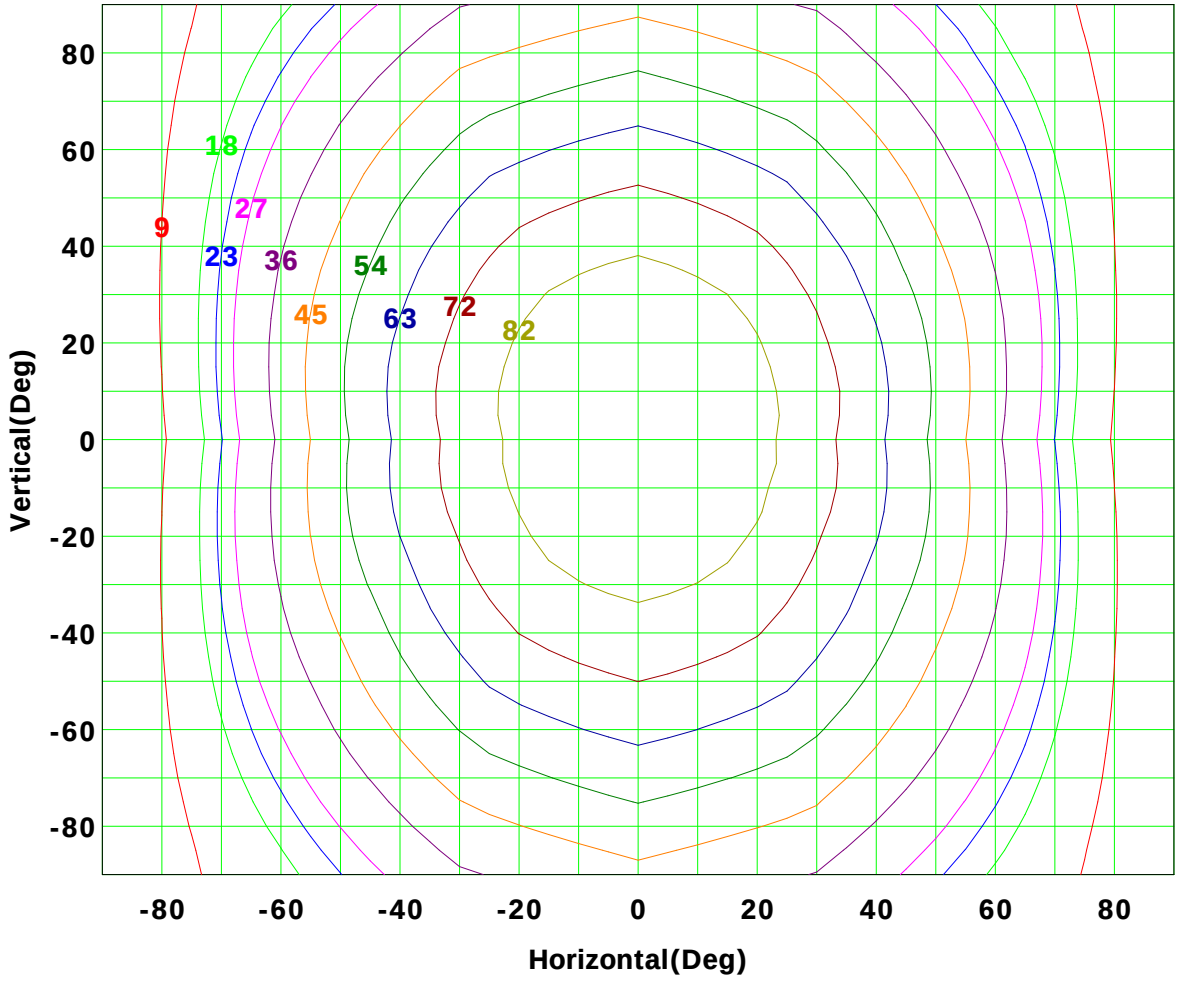
Curves of Luminaires vs Lighting Area



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)



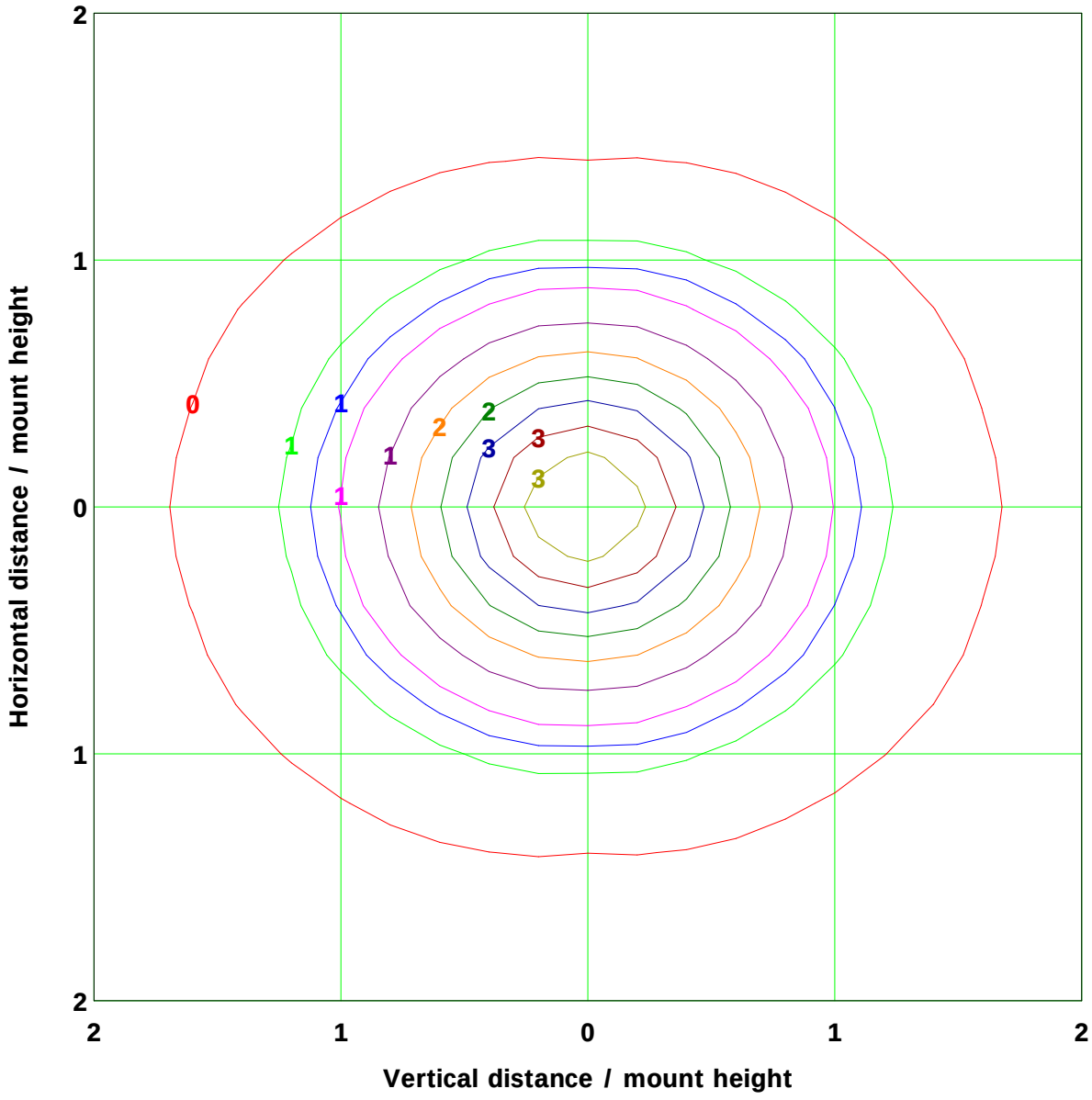
Imax (100%): 91 cd

(10%):	9 cd	(20%):	18 cd
(25%):	23 cd	(30%):	27 cd
(40%):	36 cd	(50%):	45 cd
(60%):	54 cd	(70%):	63 cd
(80%):	72 cd	(90%):	82 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%): 3.6 lx

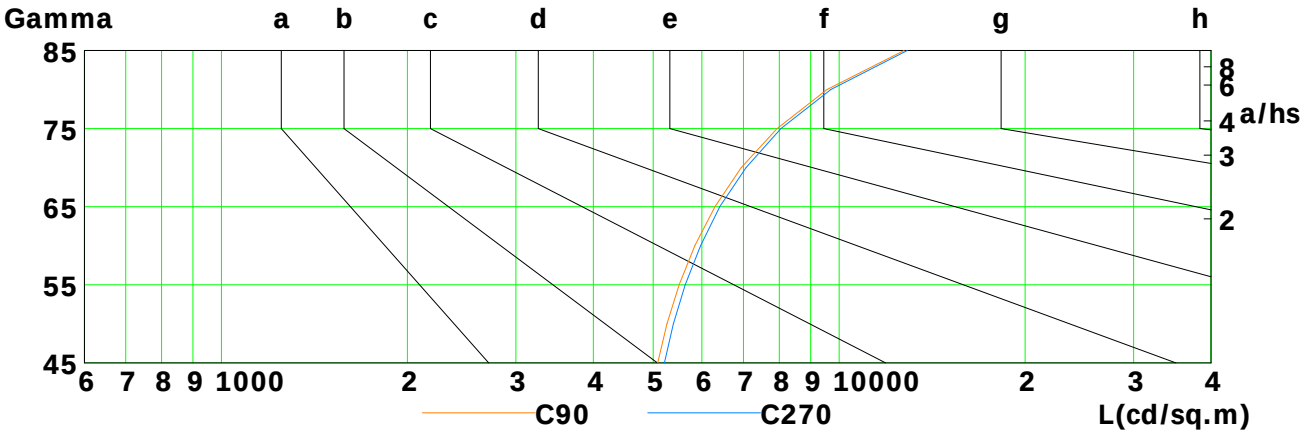
(10%): 0.4 lx	(20%): 0.7 lx
(25%): 0.9 lx	(30%): 1.1 lx
(40%): 1.4 lx	(50%): 1.8 lx
(60%): 2.2 lx	(70%): 2.5 lx
(80%): 2.9 lx	(90%): 3.2 lx

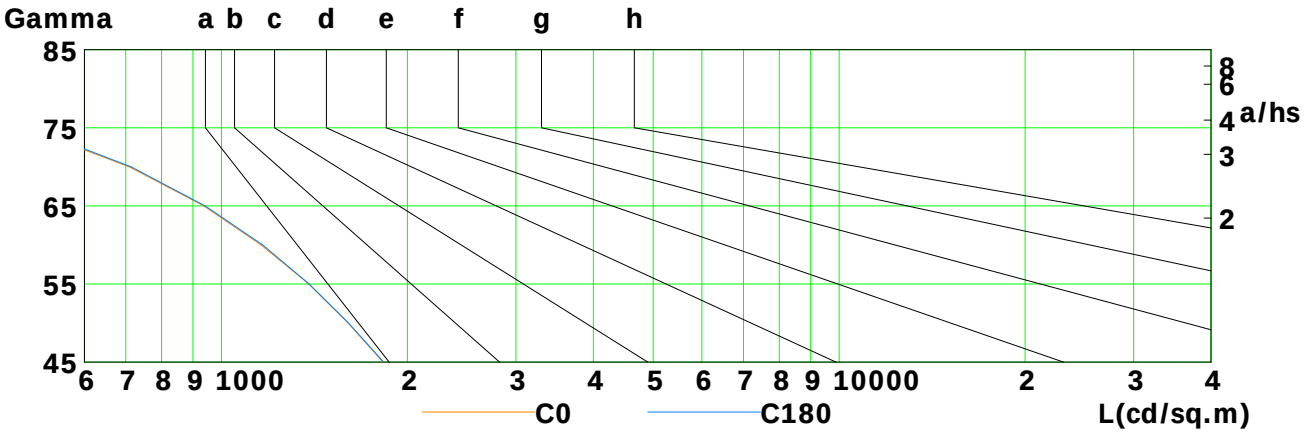
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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	1828	1605	1385	1159	937	710	485	270	95
C90	5088	5267	5508	5843	6298	6946	7936	9566	12753
C180	1832	1607	1388	1167	942	715	491	279	100
C270	5216	5396	5637	5971	6414	7066	8051	9698	12895

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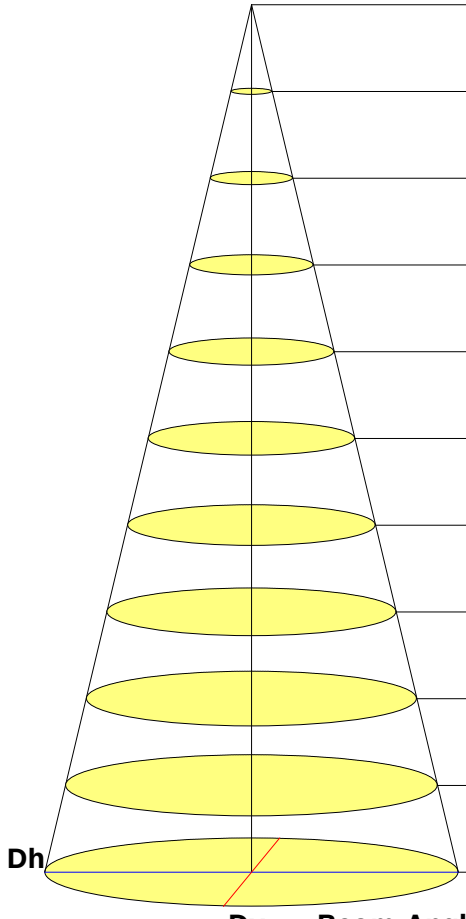
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

Illuminance at a Distance



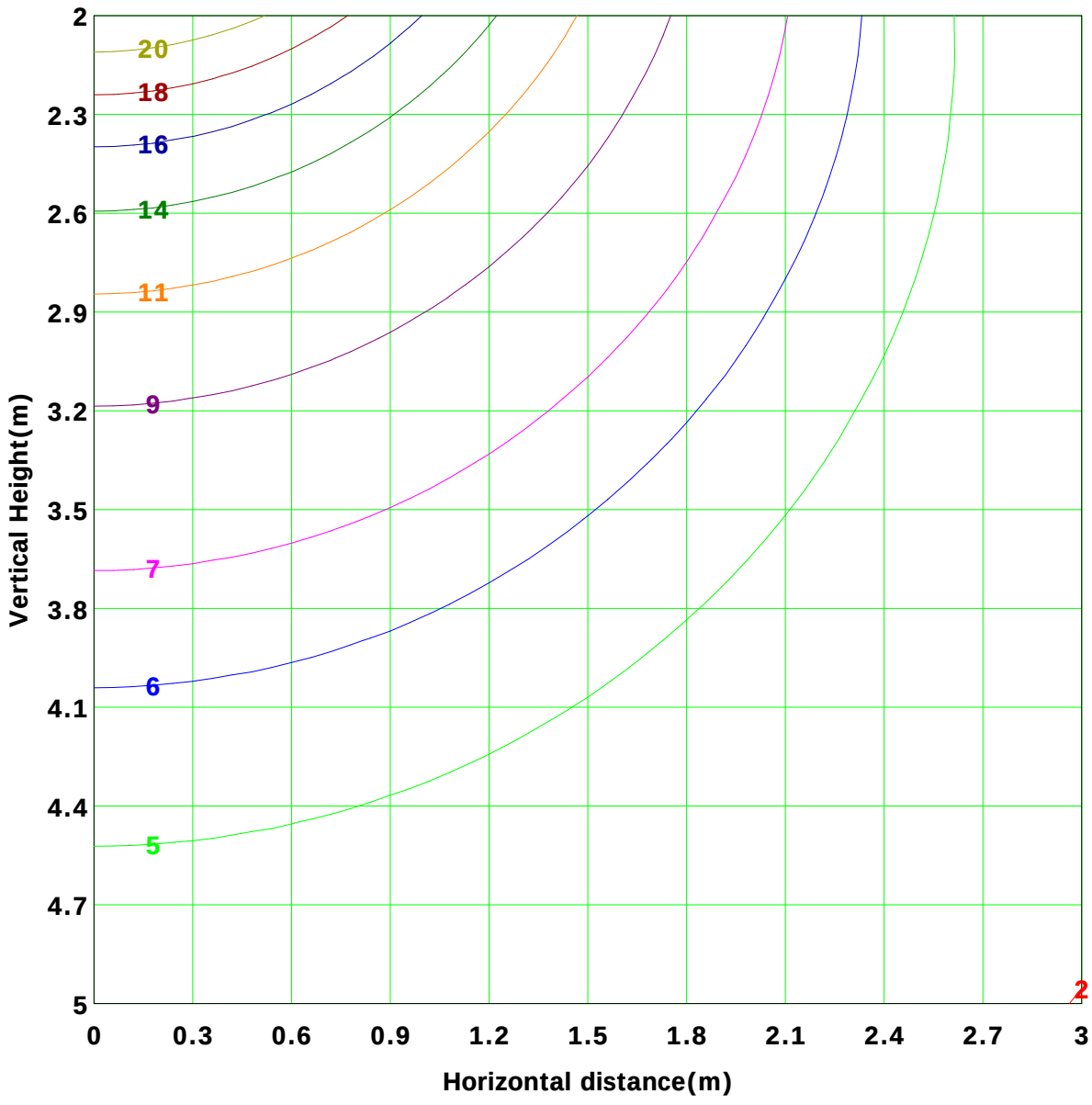
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	90.09	2.88/47.12	226.9	0.66
2.0	22.52	5.76/94.24	907.5	0.16
3.0	10.01	8.64/141.36	2041.8	0.07
4.0	5.63	11.52/188.49	3630.0	0.04
5.0	3.60	14.40/235.61	5671.8	0.03
6.0	2.50	17.28/282.73	8167.4	0.02
7.0	1.84	20.16/329.85	11116.7	0.01
8.0	1.41	23.04/376.97	14519.8	0.01
9.0	1.11	25.92/424.09	18376.6	0.01
10.0	0.90	28.80/471.22	22687.2	0.01

Beam Angle(B): H110.4 V175.1 Field Angle(F): H158.6 V277.1

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: 22.5 lx

(10%): 2.3 lx	(20%): 4.5 lx
(25%): 5.6 lx	(30%): 6.8 lx
(40%): 9.0 lx	(50%): 11.3 lx
(60%): 13.5 lx	(70%): 15.8 lx
(80%): 18.0 lx	(90%): 20.3 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:

Area Flux Table

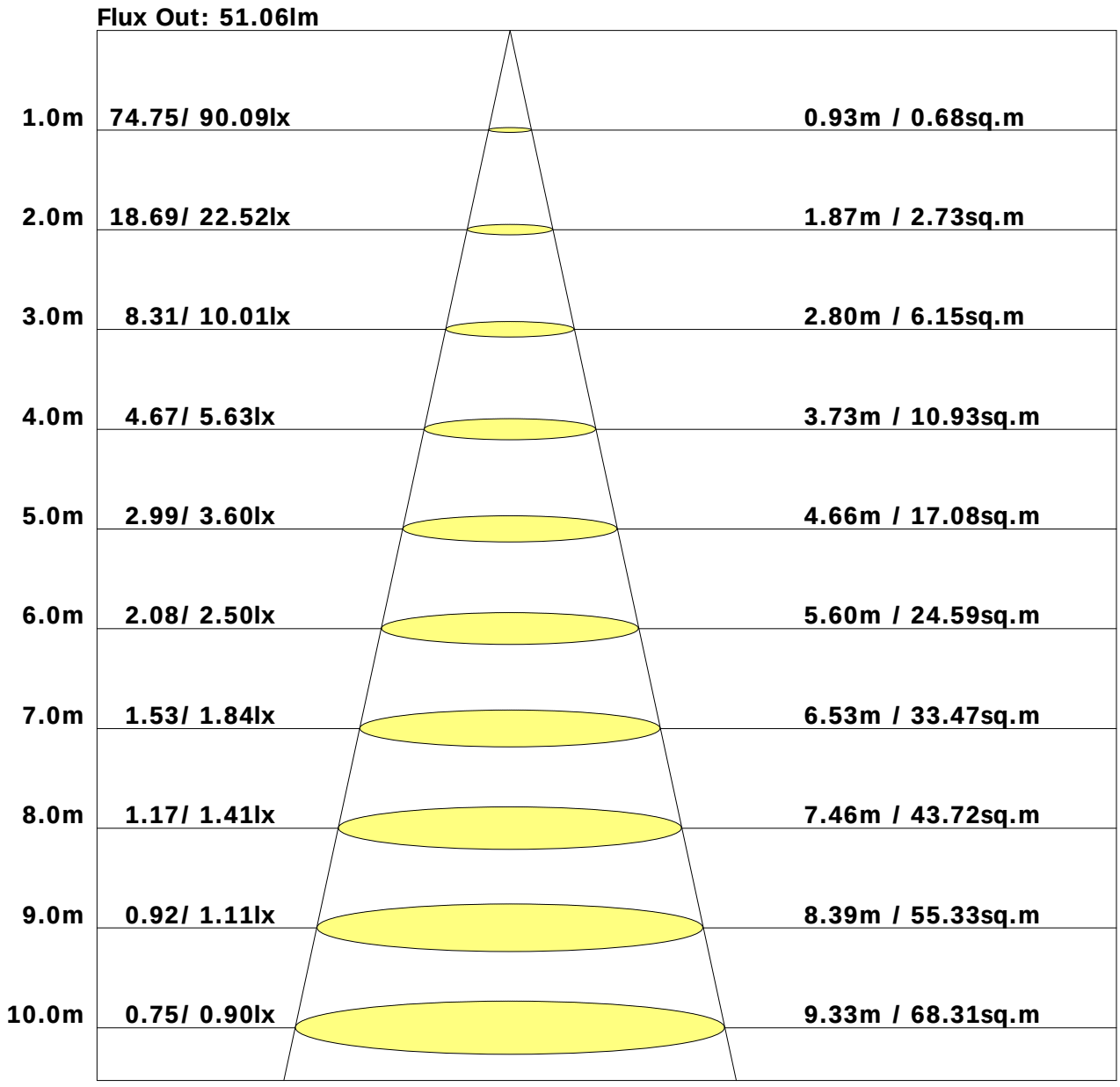
Unit: lm

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	80	70	60	50	40	30		
-90	0.0	0.1	0.2	0.4	0.6	0.9	1.1	1.3	1.4	1.4	1.3	1.1	0.9	0.6	0.4	0.2	0.1	0.0	12.0	11.9		0.0	0.0	0.0	0.0	0.2	0.0
-80	0.0	0.1	0.2	0.5	0.7	1.0	1.3	1.5	1.6	1.6	1.5	1.3	1.1	0.8	0.5	0.2	0.1	0.0	14.2	14.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-70	0.0	0.1	0.3	0.5	0.9	1.2	1.5	1.7	1.9	1.9	1.7	1.5	1.2	0.9	0.6	0.3	0.1	0.0	16.4	16.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-60	0.0	0.1	0.3	0.6	1.0	1.4	1.7	2.0	2.1	2.1	2.0	1.7	1.4	1.0	0.6	0.3	0.1	0.0	18.4	18.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-50	0.0	0.1	0.4	0.7	1.1	1.5	1.9	2.2	2.3	2.3	2.2	1.9	1.5	1.1	0.7	0.4	0.1	0.0	20.3	20.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-40	0.0	0.1	0.4	0.7	1.2	1.6	2.0	2.3	2.5	2.5	2.3	2.0	1.6	1.2	0.8	0.4	0.1	0.0	21.8	21.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-30	0.0	0.1	0.4	0.8	1.2	1.7	2.1	2.4	2.6	2.6	2.5	2.3	1.7	1.2	0.8	0.4	0.1	0.0	23.0	23.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-20	0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.5	2.7	2.7	2.5	2.2	1.8	1.3	0.8	0.4	0.1	0.0	23.7	23.6	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-10	0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.5	2.7	2.7	2.5	2.2	1.8	1.3	0.8	0.4	0.1	0.0	23.8	23.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0
0	0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.5	2.7	2.7	2.5	2.2	1.8	1.3	0.8	0.4	0.1	0.0	23.7	23.6	0.0	0.0	0.0	0.0	0.0	0.1	0.0
10	0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.5	2.7	2.7	2.5	2.2	1.8	1.3	0.8	0.4	0.1	0.0	23.3	23.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0
20	0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.5	2.7	2.7	2.5	2.2	1.8	1.3	0.8	0.4	0.1	0.0	22.5	22.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0
30	0.0	0.1	0.4	0.8	1.2	1.7	2.1	2.4	2.6	2.6	2.5	2.1	1.7	1.2	0.8	0.4	0.1	0.0	21.3	21.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0
40	0.0	0.1	0.4	0.7	1.2	1.6	2.0	2.3	2.4	2.4	2.3	2.0	1.6	1.1	0.7	0.4	0.1	0.0	19.8	19.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0
50	0.0	0.1	0.3	0.6	1.0	1.4	1.7	1.9	2.1	2.1	1.9	1.7	1.3	1.0	0.6	0.3	0.1	0.0	18.1	18.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
60	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.7	1.8	1.8	1.7	1.5	1.2	0.8	0.5	0.3	0.1	0.0	16.1	16.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
70	0.0	0.1	0.2	0.5	0.8	1.1	1.3	1.5	1.6	1.6	1.5	1.3	1.0	0.7	0.5	0.2	0.1	0.0	14.0	13.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0
80	0.0	0.1	0.2	0.4	0.6	0.9	1.1	1.3	1.4	1.4	1.3	1.1	0.9	0.6	0.4	0.2	0.1	0.0	11.9	11.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0
90	0.0	0.1	0.2	0.4	0.6	0.9	1.1	1.3	1.4	1.4	1.3	1.1	0.9	0.6	0.4	0.2	0.1	0.0	344	343	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Flux(E)	0.0	2.0	6.0	11.7	18.5	25.6	32.0	36.6	39.4	39.4	36.6	32.0	25.6	18.5	11.7	6.0	1.9	0.0									
Flux(T)	0.2	2.1	6.0	11.7	18.5	25.6	32.0	36.6	39.4	39.4	36.6	32.0	25.6	18.5	11.7	6.0	2.0	0.2									

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:

The Average Illuminance Effective Figure



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:

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	16.5	17.9	17.1	18.5	19.2	16.8	18.2	17.4	18.9	19.5
3H	18.2	19.5	18.8	20.1	20.8	19.2	20.5	19.8	21.1	21.8
4H	18.8	20.1	19.4	20.7	21.4	20.3	21.5	20.9	22.1	22.9
6H	19.2	20.4	19.9	21.0	21.8	21.3	22.5	22.0	23.1	23.9
8H	19.3	20.4	20.0	21.1	21.8	21.8	22.9	22.5	23.6	24.3
12H	19.4	20.4	20.0	21.1	21.9	22.3	23.4	23.0	24.0	24.8
X=4H Y=2H	17.2	18.4	17.8	19.0	19.8	17.4	18.7	18.0	19.3	20.0
3H	19.1	20.2	19.8	20.9	21.6	20.0	21.1	20.7	21.8	22.5
4H	19.9	20.9	20.6	21.6	22.3	21.3	22.3	21.9	22.9	23.7
6H	20.5	21.3	21.1	22.0	22.8	22.5	23.4	23.2	24.1	24.9
8H	20.6	21.5	21.3	22.1	23.0	23.1	24.0	23.8	24.6	25.4
12H	20.7	21.5	21.4	22.2	23.0	23.7	24.5	24.4	25.2	26.0
X=8H Y=4H	20.5	21.3	21.1	22.0	22.8	21.6	22.5	22.3	23.2	24.0
6H	21.2	21.9	21.9	22.7	23.5	23.1	23.8	23.8	24.5	25.3
8H	21.5	22.2	22.2	22.9	23.7	23.8	24.5	24.6	25.2	26.0
12H	21.8	22.3	22.5	23.1	23.9	24.6	25.2	25.3	25.9	26.8
X=12H Y=4H	20.6	21.3	21.3	22.1	22.9	21.7	22.4	22.4	23.1	23.9
6H	21.5	22.1	22.2	22.8	23.7	23.2	23.8	23.9	24.5	25.4
8H	21.9	22.4	22.6	23.2	24.0	24.0	24.6	24.7	25.3	26.2

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	0.49	0.57	0.64	0.69	0.76	0.81	0.85	0.90	0.93
	0.30		0.41	0.49	0.56	0.61	0.69	0.75	0.79	0.85	0.89
	0.20		0.35	0.43	0.50	0.55	0.63	0.69	0.74	0.80	0.85
0.50	0.50	0.20	0.46	0.53	0.60	0.64	0.71	0.75	0.79	0.83	0.86
	0.30		0.39	0.46	0.53	0.58	0.65	0.70	0.74	0.79	0.82
	0.20		0.34	0.41	0.48	0.52	0.60	0.65	0.69	0.75	0.79
0.30	0.50	0.20	0.43	0.50	0.55	0.60	0.65	0.70	0.73	0.77	0.79
	0.30		0.37	0.44	0.50	0.54	0.61	0.65	0.69	0.73	0.77
	0.20		0.33	0.39	0.45	0.50	0.56	0.61	0.65	0.70	0.74
0.00	0.00	0.00	0.29	0.34	0.40	0.44	0.50	0.55	0.58	0.62	0.66

Rating:11W 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	1.02	0.88	0.76	0.68	0.56	0.48	0.42	0.34	0.28
	0.30		0.85	0.76	0.67	0.60	0.51	0.44	0.39	0.32	0.27
	0.20		0.73	0.66	0.59	0.54	0.46	0.40	0.36	0.30	0.25
0.50	0.50	0.20	0.95	0.82	0.71	0.63	0.52	0.47	0.39	0.31	0.26
	0.30		0.80	0.71	0.63	0.57	0.48	0.41	0.36	0.30	0.25
	0.20		0.70	0.63	0.56	0.51	0.44	0.38	0.34	0.28	0.24
0.30	0.50	0.20	0.89	0.77	0.66	0.59	0.49	0.41	0.36	0.29	0.25
	0.30		0.76	0.67	0.59	0.53	0.45	0.39	0.34	0.28	0.24
	0.20		0.67	0.60	0.54	0.49	0.42	0.36	0.32	0.27	0.23
0.00	0.00	0.00	0.55	0.49	0.44	0.40	0.34	0.29	0.26	0.22	0.18

Rating:11W 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	0.32	0.34	0.35	0.35	0.36	0.37	0.37	0.37	0.38
	0.30		0.25	0.27	0.28	0.29	0.31	0.32	0.32	0.34	0.34
	0.20		0.20	0.22	0.23	0.24	0.26	0.27	0.28	0.30	0.31
0.50	0.50	0.20	0.31	0.33	0.33	0.34	0.35	0.35	0.36	0.36	0.36
	0.30		0.25	0.26	0.27	0.28	0.30	0.31	0.31	0.32	0.33
	0.20		0.20	0.21	0.23	0.24	0.25	0.27	0.28	0.29	0.30
0.30	0.50	0.20	0.30	0.32	0.32	0.33	0.33	0.34	0.34	0.34	0.35
	0.30		0.24	0.26	0.27	0.28	0.29	0.30	0.30	0.31	0.32
	0.20		0.20	0.21	0.22	0.23	0.25	0.26	0.27	0.28	0.29
0.00	0.00	0.00	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16

Rating:11W 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	90.0	0.1	0.1	0.02	0.02
1.0-2.0	90.0	0.3	0.3	0.06	0.08
2.0-3.0	90.0	0.4	0.8	0.10	0.19
3.0-4.0	89.9	0.6	1.4	0.15	0.33
4.0-5.0	89.9	0.8	2.2	0.19	0.52
5.0-6.0	89.8	0.9	3.1	0.23	0.75
6.0-7.0	89.7	1.1	4.2	0.27	1.02
7.0-8.0	89.5	1.3	5.5	0.31	1.34
8.0-9.0	89.3	1.4	6.9	0.35	1.69
9.0-10.0	89.2	1.6	8.6	0.39	2.08
10.0-11.0	89.0	1.8	10.3	0.43	2.51
11.0-12.0	88.7	1.9	12.3	0.47	2.98
12.0-13.0	88.5	2.1	14.4	0.51	3.49
13.0-14.0	88.2	2.3	16.6	0.55	4.04
14.0-15.0	87.9	2.4	19.0	0.59	4.63
15.0-16.0	87.6	2.6	21.6	0.62	5.25
16.0-17.0	87.2	2.7	24.3	0.66	5.92
17.0-18.0	86.8	2.9	27.2	0.70	6.61
18.0-19.0	86.4	3.0	30.2	0.73	7.34
19.0-20.0	86.0	3.1	33.3	0.77	8.11
20.0-21.0	85.5	3.3	36.6	0.80	8.91
21.0-22.0	85.0	3.4	40.0	0.83	9.74
22.0-23.0	84.5	3.5	43.6	0.86	10.60
23.0-24.0	84.0	3.7	47.3	0.89	11.50
24.0-25.0	83.5	3.8	51.1	0.92	12.42
25.0-26.0	83.0	3.9	55.0	0.95	13.37
26.0-27.0	82.4	4.0	59.0	0.98	14.35
27.0-28.0	81.8	4.1	63.2	1.01	15.36
28.0-29.0	81.2	4.2	67.4	1.03	16.39
29.0-30.0	80.5	4.3	71.7	1.06	17.45
30.0-31.0	79.9	4.4	76.2	1.08	18.53
31.0-32.0	79.2	4.5	80.7	1.10	19.63
32.0-33.0	78.5	4.6	85.4	1.12	20.76
33.0-34.0	77.8	4.7	90.1	1.14	21.90
34.0-35.0	77.0	4.8	94.8	1.16	23.07
35.0-36.0	76.3	4.9	99.7	1.18	24.25

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	75.5	4.9	104.6	1.20	25.45
37.0-38.0	74.7	5.0	109.6	1.21	26.66
38.0-39.0	73.9	5.0	114.7	1.23	27.89
39.0-40.0	73.1	5.1	119.8	1.24	29.13
40.0-41.0	72.3	5.1	124.9	1.25	30.38
41.0-42.0	71.4	5.2	130.1	1.26	31.64
42.0-43.0	70.6	5.2	135.3	1.27	32.91
43.0-44.0	69.7	5.3	140.6	1.28	34.19
44.0-45.0	68.8	5.3	145.9	1.29	35.48
45.0-46.0	67.9	5.3	151.2	1.29	36.77
46.0-47.0	67.0	5.3	156.5	1.30	38.06
47.0-48.0	66.0	5.3	161.9	1.30	39.36
48.0-49.0	65.1	5.3	167.2	1.30	40.66
49.0-50.0	64.1	5.3	172.5	1.30	41.96
50.0-51.0	63.2	5.3	177.9	1.30	43.26
51.0-52.0	62.2	5.3	183.2	1.30	44.56
52.0-53.0	61.2	5.3	188.6	1.30	45.86
53.0-54.0	60.2	5.3	193.9	1.29	47.15
54.0-55.0	59.2	5.3	199.1	1.29	48.43
55.0-56.0	58.2	5.3	204.4	1.28	49.71
56.0-57.0	57.2	5.2	209.6	1.27	50.98
57.0-58.0	56.2	5.2	214.8	1.26	52.25
58.0-59.0	55.1	5.2	220.0	1.25	53.50
59.0-60.0	54.1	5.1	225.1	1.24	54.74
60.0-61.0	53.1	5.1	230.2	1.23	55.98
61.0-62.0	52.0	5.0	235.2	1.22	57.20
62.0-63.0	51.0	5.0	240.1	1.21	58.40
63.0-64.0	49.9	4.9	245.0	1.19	59.59
64.0-65.0	48.8	4.8	249.9	1.18	60.77
65.0-66.0	47.8	4.8	254.6	1.16	61.93
66.0-67.0	46.7	4.7	259.3	1.14	63.07
67.0-68.0	45.7	4.6	264.0	1.13	64.20
68.0-69.0	44.6	4.6	268.5	1.11	65.30
69.0-70.0	43.6	4.5	273.0	1.09	66.39
70.0-71.0	42.5	4.4	277.4	1.07	67.46
71.0-72.0	41.5	4.3	281.7	1.05	68.51

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	40.4	4.2	285.9	1.03	69.54
73.0-74.0	39.4	4.1	290.1	1.01	70.55
74.0-75.0	38.4	4.1	294.1	0.99	71.53
75.0-76.0	37.3	4.0	298.1	0.96	72.50
76.0-77.0	36.3	3.9	302.0	0.94	73.44
77.0-78.0	35.3	3.8	305.7	0.92	74.36
78.0-79.0	34.4	3.7	309.4	0.90	75.26
79.0-80.0	33.4	3.6	313.0	0.88	76.13
80.0-81.0	32.4	3.5	316.5	0.85	76.98
81.0-82.0	31.5	3.4	320.0	0.83	77.81
82.0-83.0	30.6	3.3	323.3	0.81	78.62
83.0-84.0	29.7	3.2	326.5	0.79	79.41
84.0-85.0	28.9	3.1	329.7	0.77	80.18
85.0-86.0	28.0	3.1	332.7	0.74	80.92
86.0-87.0	27.2	3.0	335.7	0.72	81.65
87.0-88.0	26.5	2.9	338.6	0.71	82.35
88.0-89.0	25.7	2.8	341.4	0.68	83.04
89.0-90.0	25.0	2.7	344.2	0.67	83.70
90.0-91.0	24.3	2.7	346.8	0.65	84.35
91.0-92.0	23.7	2.6	349.4	0.63	84.98
92.0-93.0	23.1	2.5	351.9	0.61	85.59
93.0-94.0	22.5	2.5	354.4	0.60	86.19
94.0-95.0	21.9	2.4	356.8	0.58	86.77
95.0-96.0	21.3	2.3	359.1	0.57	87.34
96.0-97.0	20.7	2.3	361.4	0.55	87.89
97.0-98.0	20.2	2.2	363.6	0.53	88.42
98.0-99.0	19.6	2.1	365.7	0.52	88.94
99.0-100.0	19.1	2.1	367.8	0.50	89.44
100.0-101.0	18.6	2.0	369.8	0.49	89.93
101.0-102.0	18.1	1.9	371.7	0.47	90.40
102.0-103.0	17.5	1.9	373.6	0.46	90.86
103.0-104.0	17.1	1.8	375.4	0.44	91.30
104.0-105.0	16.6	1.8	377.2	0.43	91.73
105.0-106.0	16.1	1.7	378.9	0.41	92.14
106.0-107.0	15.6	1.6	380.5	0.40	92.54
107.0-108.0	15.1	1.6	382.1	0.38	92.92

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	14.7	1.5	383.6	0.37	93.30
109.0-110.0	14.2	1.5	385.1	0.36	93.65
110.0-111.0	13.8	1.4	386.5	0.34	94.00
111.0-112.0	13.3	1.4	387.9	0.33	94.33
112.0-113.0	12.9	1.3	389.2	0.32	94.65
113.0-114.0	12.5	1.3	390.4	0.30	94.95
114.0-115.0	12.0	1.2	391.6	0.29	95.24
115.0-116.0	11.6	1.2	392.8	0.28	95.52
116.0-117.0	11.2	1.1	393.9	0.27	95.79
117.0-118.0	10.8	1.1	394.9	0.26	96.05
118.0-119.0	10.4	1.0	395.9	0.24	96.29
119.0-120.0	10.1	1.0	396.9	0.23	96.52
120.0-121.0	9.7	0.9	397.8	0.22	96.75
121.0-122.0	9.3	0.9	398.7	0.21	96.96
122.0-123.0	8.9	0.8	399.5	0.20	97.16
123.0-124.0	8.6	0.8	400.3	0.19	97.35
124.0-125.0	8.2	0.7	401.0	0.18	97.53
125.0-126.0	7.9	0.7	401.7	0.17	97.70
126.0-127.0	7.5	0.7	402.4	0.16	97.86
127.0-128.0	7.2	0.6	403.0	0.15	98.02
128.0-129.0	6.9	0.6	403.6	0.14	98.16
129.0-130.0	6.6	0.6	404.2	0.13	98.29
130.0-131.0	6.3	0.5	404.7	0.13	98.42
131.0-132.0	6.0	0.5	405.2	0.12	98.54
132.0-133.0	5.7	0.5	405.6	0.11	98.65
133.0-134.0	5.4	0.4	406.1	0.11	98.76
134.0-135.0	5.2	0.4	406.5	0.10	98.86
135.0-136.0	4.9	0.4	406.8	0.09	98.95
136.0-137.0	4.7	0.4	407.2	0.09	99.03
137.0-138.0	4.4	0.3	407.5	0.08	99.11
138.0-139.0	4.2	0.3	407.8	0.07	99.19
139.0-140.0	4.0	0.3	408.1	0.07	99.25
140.0-141.0	3.8	0.3	408.4	0.06	99.32
141.0-142.0	3.5	0.2	408.6	0.06	99.38
142.0-143.0	3.3	0.2	408.8	0.05	99.43
143.0-144.0	3.0	0.2	409.0	0.05	99.48

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	2.8	0.2	409.2	0.04	99.52
145.0-146.0	2.7	0.2	409.4	0.04	99.56
146.0-147.0	2.5	0.2	409.5	0.04	99.60
147.0-148.0	2.4	0.1	409.7	0.03	99.63
148.0-149.0	2.2	0.1	409.8	0.03	99.67
149.0-150.0	2.2	0.1	409.9	0.03	99.69
150.0-151.0	2.1	0.1	410.0	0.03	99.72
151.0-152.0	2.0	0.1	410.1	0.03	99.75
152.0-153.0	1.9	0.1	410.2	0.02	99.77
153.0-154.0	1.8	0.1	410.3	0.02	99.79
154.0-155.0	1.8	0.1	410.4	0.02	99.81
155.0-156.0	1.7	0.1	410.5	0.02	99.83
156.0-157.0	1.7	0.1	410.6	0.02	99.85
157.0-158.0	1.6	0.1	410.6	0.02	99.87
158.0-159.0	1.5	0.1	410.7	0.02	99.88
159.0-160.0	1.5	0.1	410.7	0.01	99.89
160.0-161.0	1.4	0.1	410.8	0.01	99.91
161.0-162.0	1.4	0.0	410.8	0.01	99.92
162.0-163.0	1.3	0.0	410.9	0.01	99.93
163.0-164.0	1.2	0.0	410.9	0.01	99.94
164.0-165.0	1.2	0.0	411.0	0.01	99.95
165.0-166.0	1.1	0.0	411.0	0.01	99.96
166.0-167.0	1.1	0.0	411.0	0.01	99.96
167.0-168.0	1.1	0.0	411.0	0.01	99.97
168.0-169.0	1.0	0.0	411.1	0.01	99.97
169.0-170.0	1.0	0.0	411.1	0.00	99.98
170.0-171.0	1.0	0.0	411.1	0.00	99.98
171.0-172.0	0.9	0.0	411.1	0.00	99.99
172.0-173.0	0.9	0.0	411.1	0.00	99.99
173.0-174.0	0.9	0.0	411.1	0.00	99.99
174.0-175.0	0.9	0.0	411.2	0.00	99.99
175.0-176.0	0.9	0.0	411.2	0.00	100.00
176.0-177.0	0.9	0.0	411.2	0.00	100.00
177.0-178.0	0.9	0.0	411.2	0.00	100.00
178.0-179.0	0.8	0.0	411.2	0.00	100.00
179.0-180.0	0.8	0.0	411.2	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: