

Report No.:

Test Time: 2021/1/22 10:26

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: CHANNEL

Lamp Description: RB90SWS2203.030

Luminous Length (mm): 500

Luminous Height (mm): 38

Current: 0.433 A

Power Factor: 1.000

Luminaire Description: AR33

Number of Lamps: 2 ROW

Luminous Width (mm): 77

Voltage: 24.0 V

Power: 10.39 W

Photometric Results

CIE Class: Direct

Measurement Flux: 589.5 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H159.9,H103.4

Vertical Diffuse Angle(10%,50%): V160.2,V101.3

Luminaire Efficacy Rating (LER): 57

Max. Intensity: 224.72 cd

Total Rated Lamp Lumens: 589.5 lm

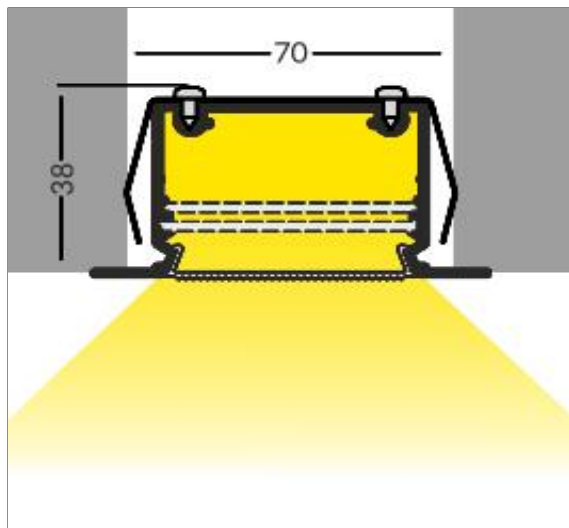
Efficiency: 100%

Upward Ratio: 1%

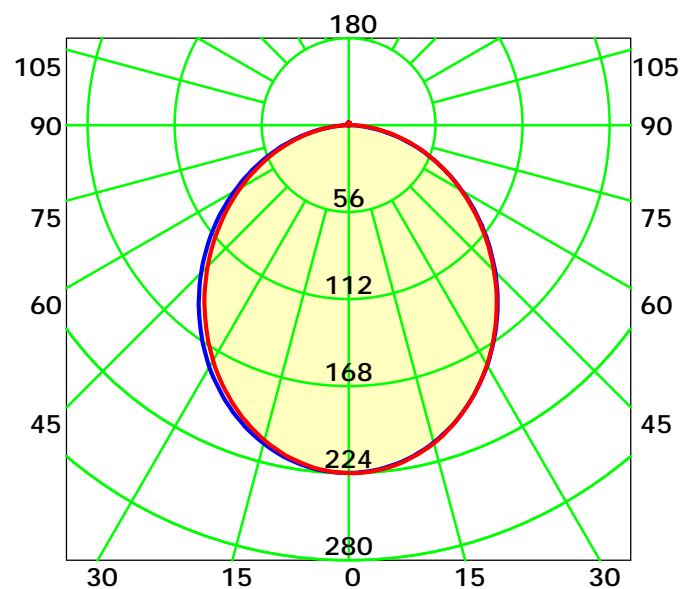
Central Intensity: 224.42 cd

Pos of Max. Intensity: H150 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 102.4° Unit: cd

— C0-C180 — C90-C270

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

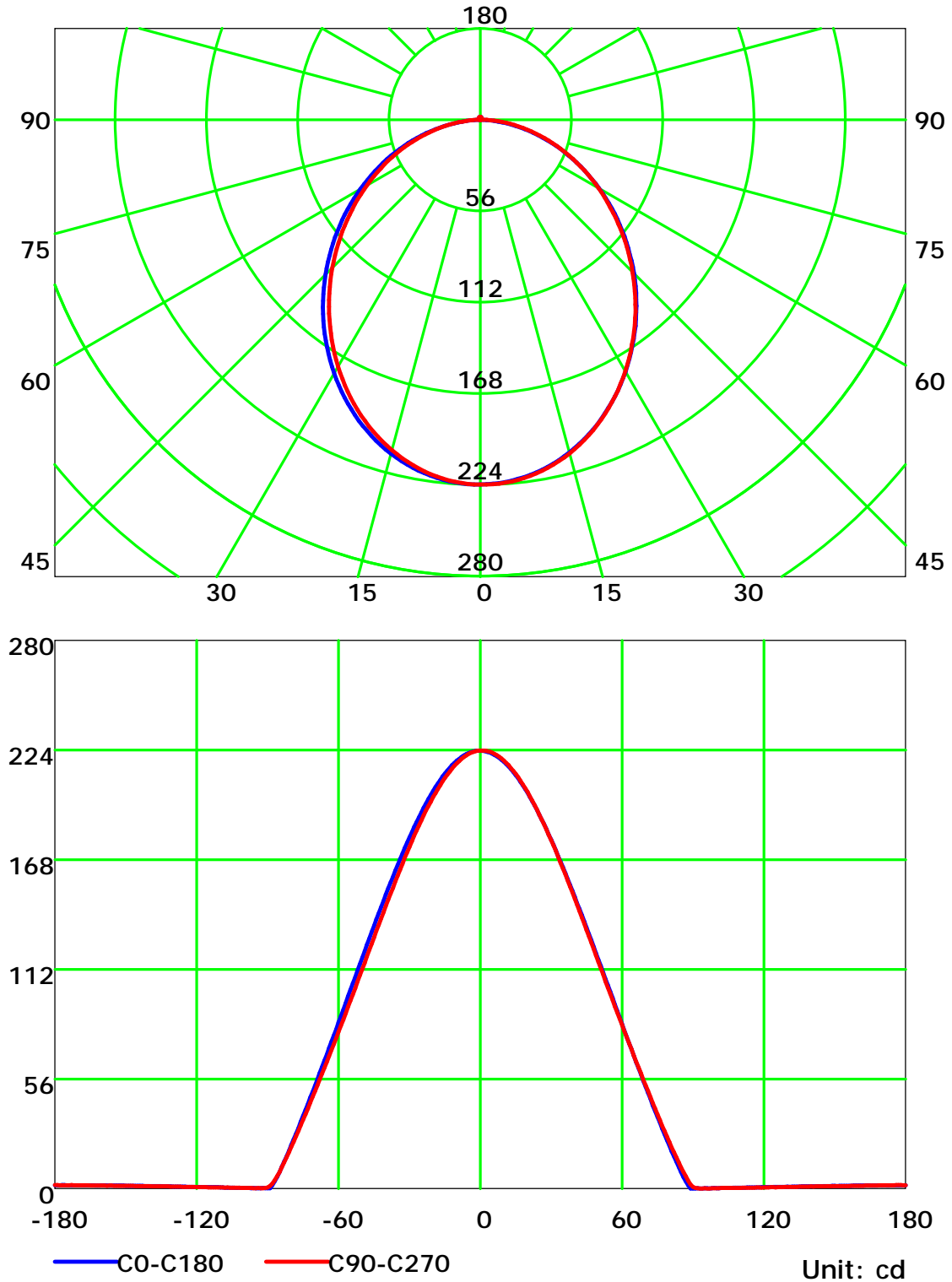
Distance: 9.028 m

Humidity: 60%

Inspector:



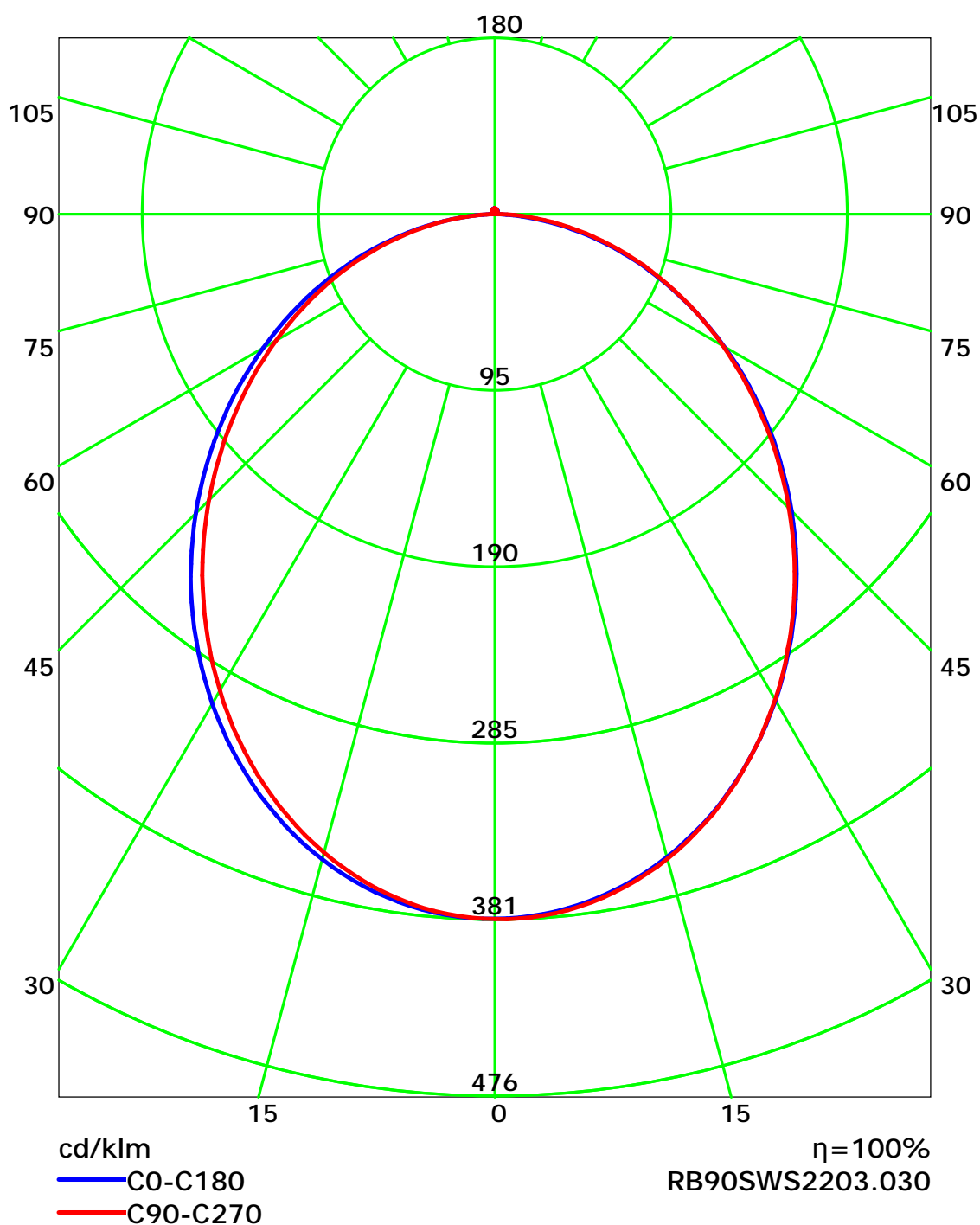
Luminous Intensity Distribution Curve



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:

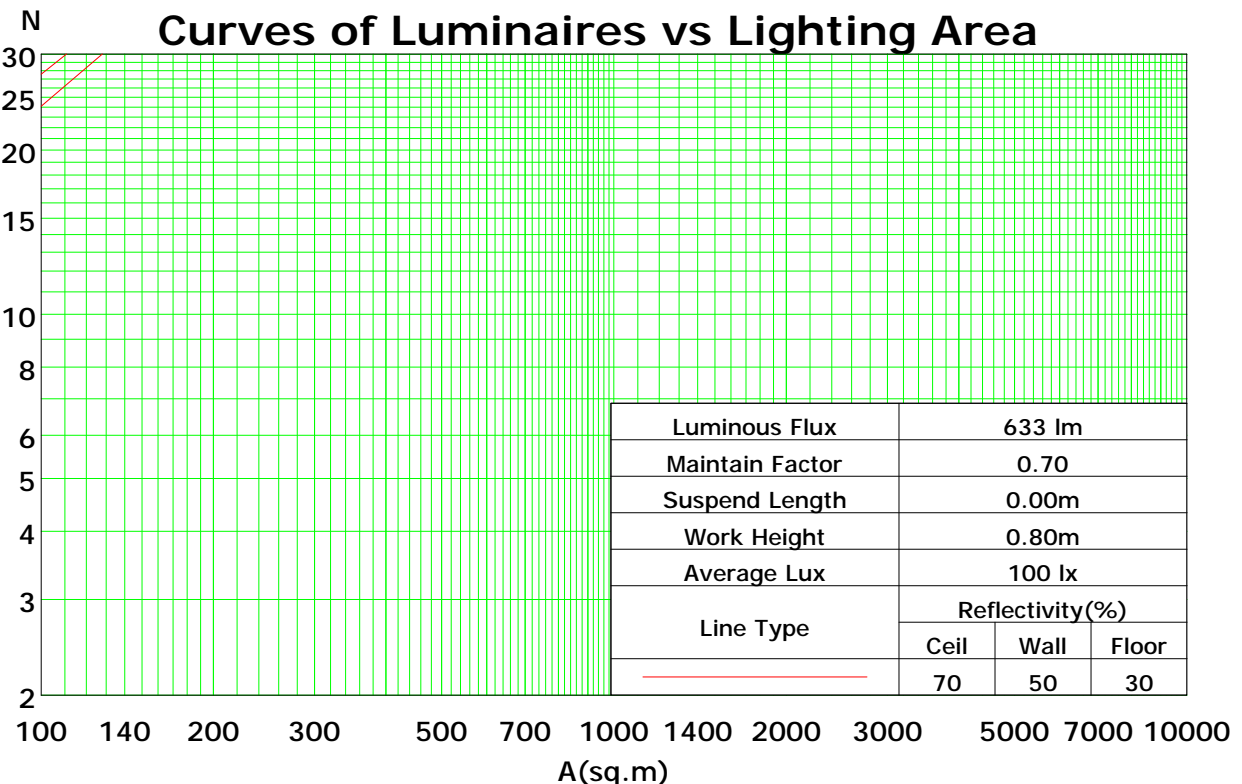
Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	101	98	94	97	94	91	93	90	88	89	87	85	83
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	78	75	72	69
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	69	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	55	48	74	62	54	48	60	53	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	56	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

Spacing Criteria (0-180): 1.19

Spacing Criteria (90-270): 1.18

Spacing Criteria (Diagonal): 1.30



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

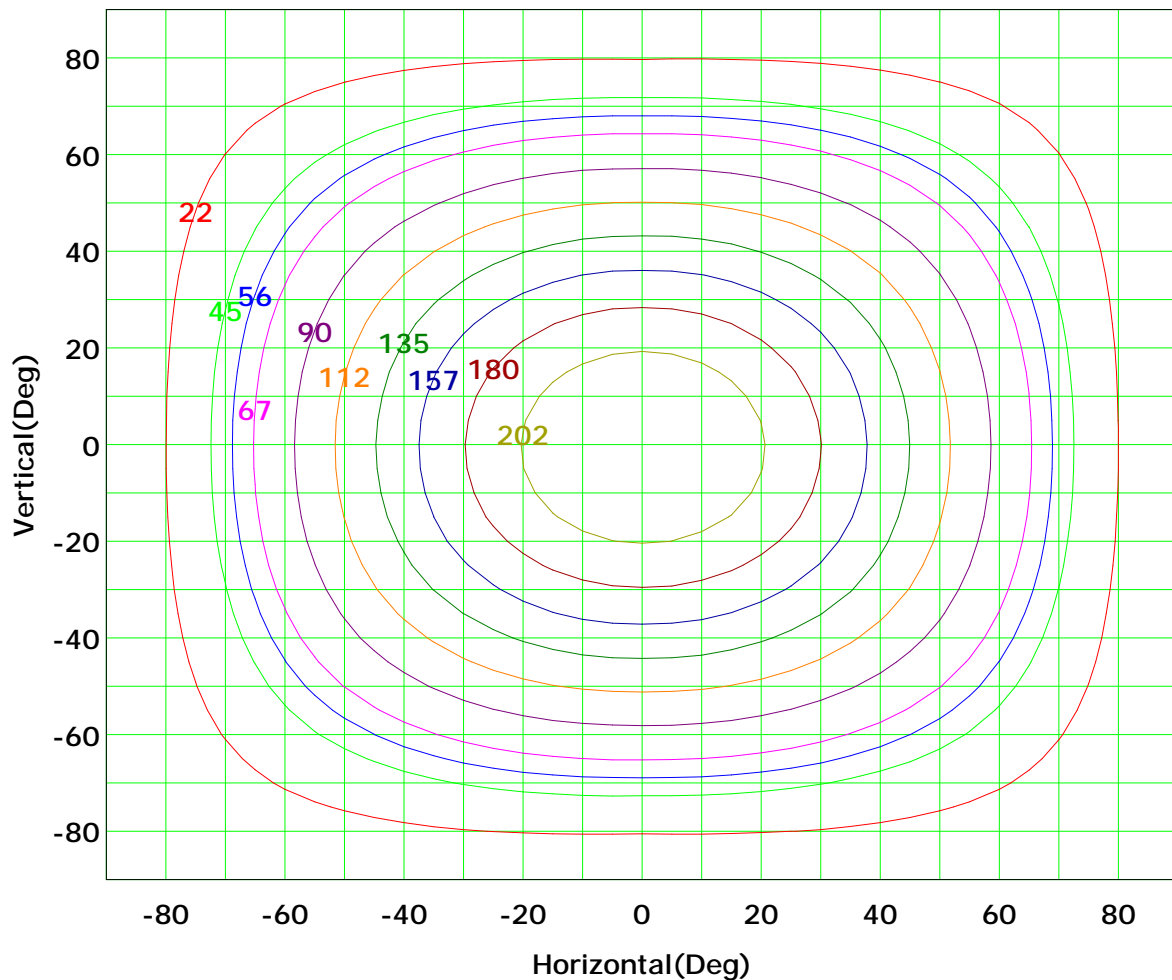
Distance: 9.028 m

Humidity: 60%

Inspector:



Isocandela (rectangle)



I_{max} (100%): 225 cd

(10%):	22 cd	(20%):	45 cd
(25%):	56 cd	(30%):	67 cd
(40%):	90 cd	(50%):	112 cd
(60%):	135 cd	(70%):	157 cd
(80%):	180 cd	(90%):	202 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

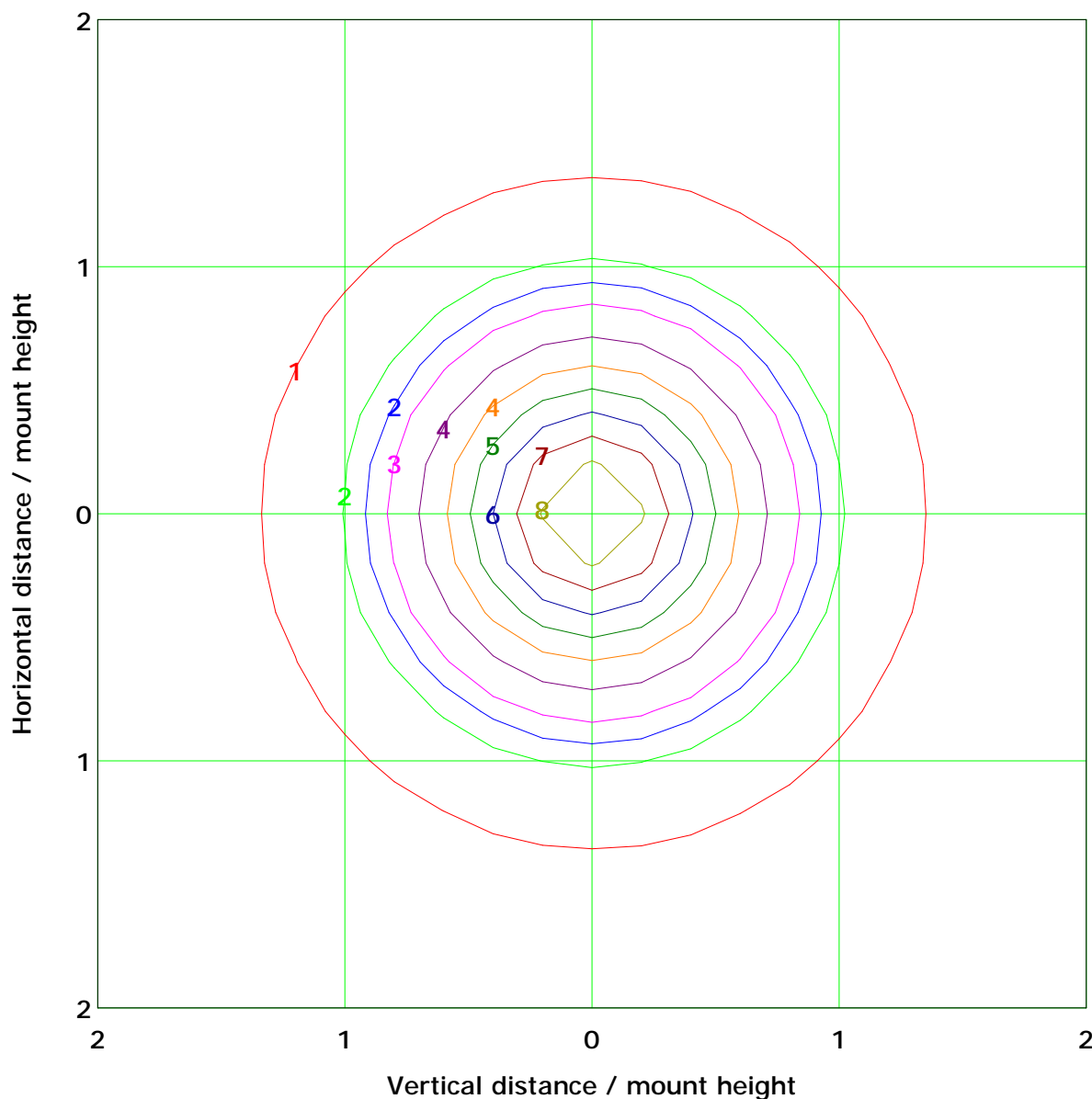
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 9.0 lx

(10%): 0.9 lx	(20%): 1.8 lx
(25%): 2.2 lx	(30%): 2.7 lx
(40%): 3.6 lx	(50%): 4.5 lx
(60%): 5.4 lx	(70%): 6.3 lx
(80%): 7.2 lx	(90%): 8.1 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

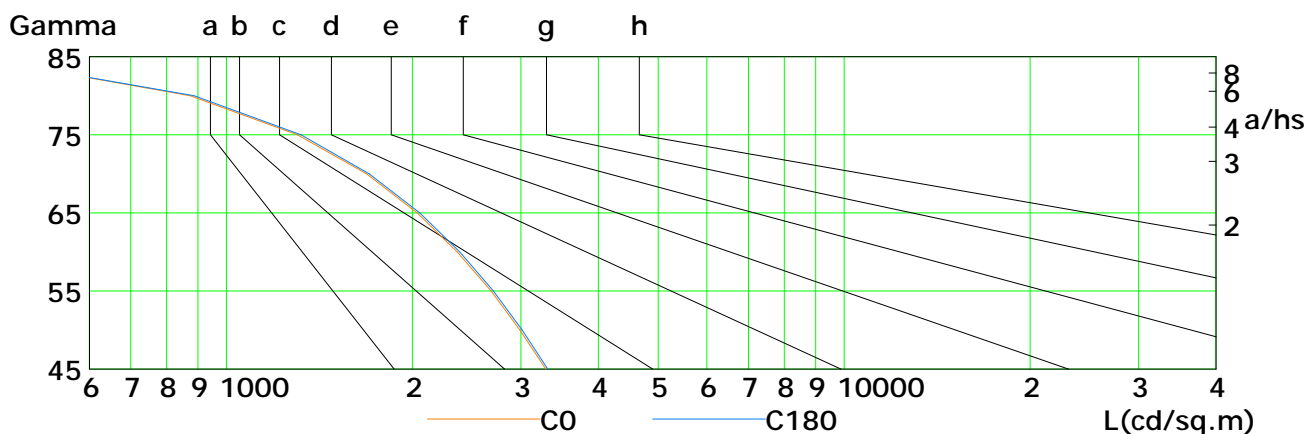
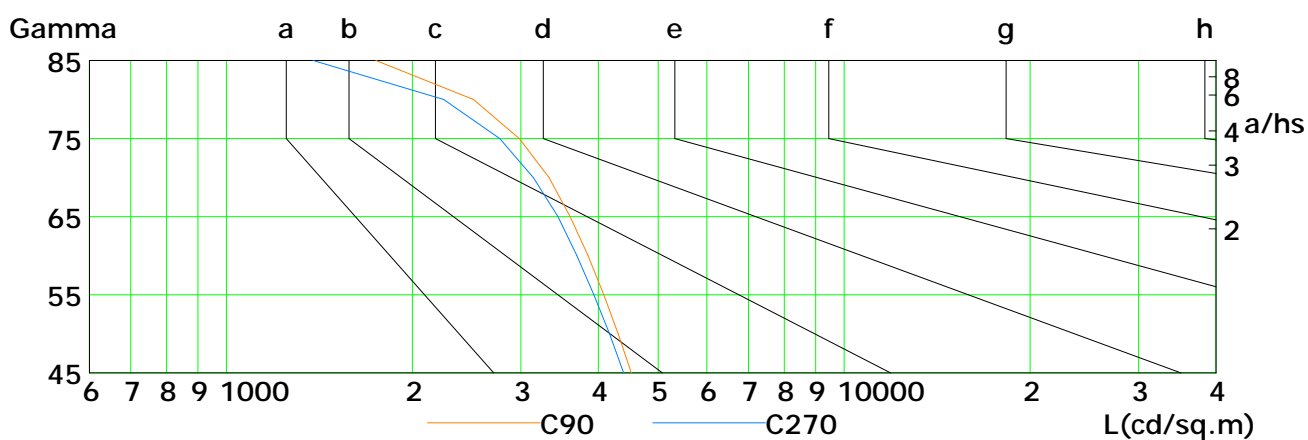
Humidity: 60%

Inspector:

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	3291	2988	2685	2364	2038	1688	1303	875	389
C90	4525	4310	4085	3853	3605	3330	2982	2512	1746
C180	3316	3012	2706	2388	2057	1703	1320	887	389
C270	4398	4172	3937	3694	3444	3141	2770	2248	1383

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

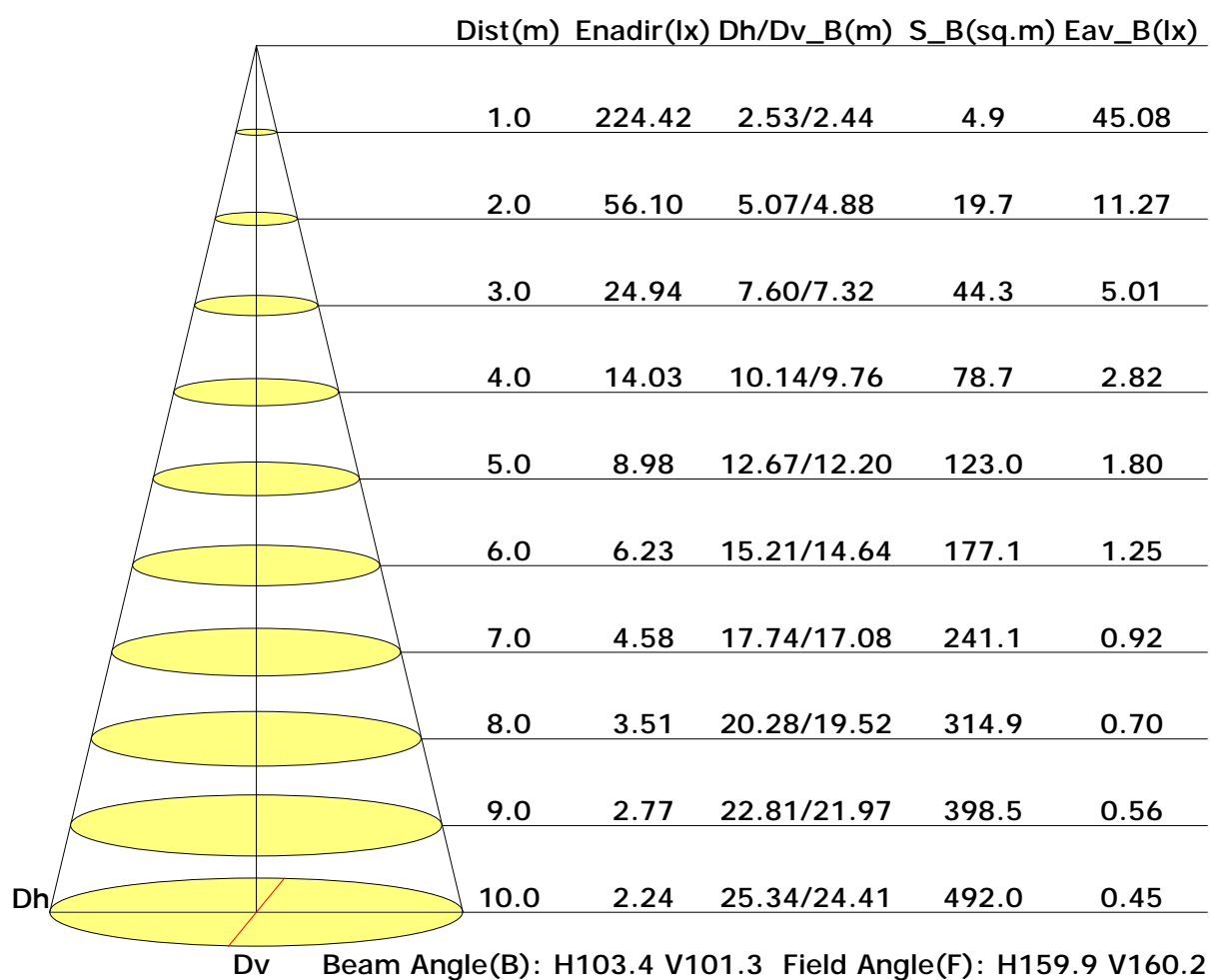
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Illuminance at a Distance



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

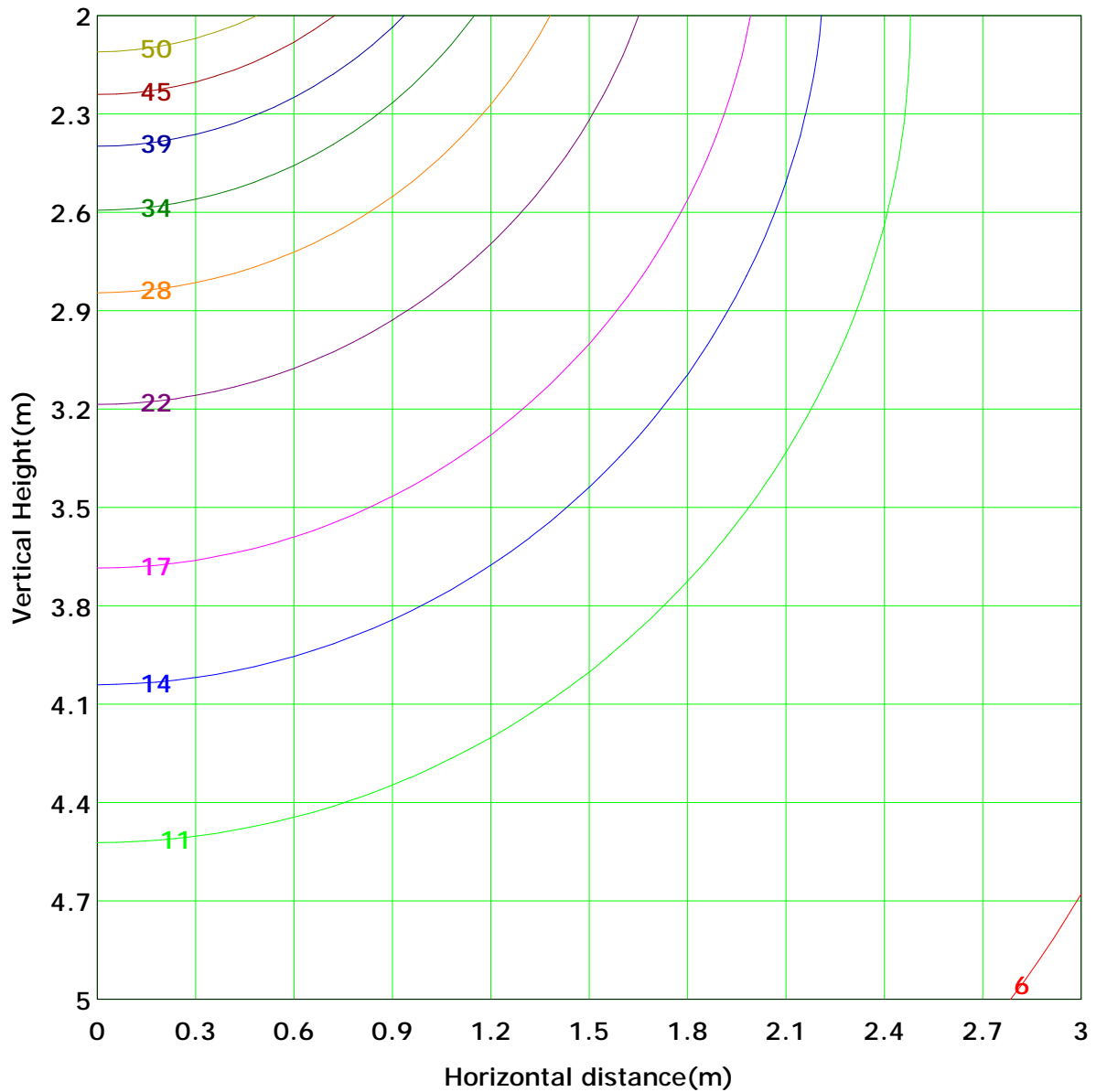
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 56.1 lx
(10%): 5.6 lx	(20%): 11.2 lx	
(25%): 14.0 lx	(30%): 16.8 lx	
(40%): 22.4 lx	(50%): 28.1 lx	
(60%): 33.7 lx	(70%): 39.3 lx	
(80%): 44.9 lx	(90%): 50.5 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)
		0.0	0.0	0.0	0.1	0.2	0.2	0.2	1.4	1.1	1.8	2.9	4.1	5.3	6.2	6.7	6.7	6.7	6.7	6.7	0.4	0.0
		0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.6	1.7	1.8	2.9	4.1	5.3	6.2	6.7	6.7	6.7	6.7	6.7	3.3	0.0
		0.0	0.1	0.3	0.6	1.0	1.3	1.6	2.4	2.7	2.9	2.9	2.7	2.4	1.9	1.4	1.0	0.6	0.1	0.0	9.7	0.0
		0.0	0.2	0.5	0.9	1.4	1.9	2.4	3.2	3.6	3.9	3.9	3.6	3.1	2.5	1.8	1.1	0.6	0.1	0.0	19.1	0.0
		0.0	0.2	0.6	1.1	1.8	2.5	3.2	3.9	4.5	4.8	4.8	4.5	3.9	3.1	2.2	1.4	0.9	0.2	0.0	30.7	0.0
		0.0	0.2	0.7	1.4	2.2	3.1	3.9	4.5	5.3	5.7	5.7	5.3	4.5	3.5	2.5	1.8	1.1	0.6	0.0	42.5	0.0
		0.0	0.3	0.8	1.6	2.5	3.6	4.5	5.3	6.2	6.7	6.7	6.2	5.2	4.1	2.9	1.8	1.0	0.5	0.0	53.9	0.0
		0.0	0.3	0.9	1.7	2.8	3.9	5.0	5.8	6.3	6.3	6.3	5.8	5.0	3.9	2.7	1.7	0.9	0.3	0.0	62.7	0.0
		0.0	0.3	0.9	1.8	2.9	4.1	5.3	6.2	6.7	6.7	6.7	6.2	5.2	4.1	2.9	1.8	1.0	0.5	0.0	67.5	0.0
		0.0	0.3	0.9	1.8	2.9	4.1	5.3	6.2	6.7	6.7	6.7	6.2	5.2	4.1	2.9	1.8	1.0	0.5	0.0	67.4	0.0
		0.0	0.3	0.9	1.7	2.8	3.9	5.0	5.8	6.3	6.3	6.3	5.8	5.0	3.9	2.7	1.7	0.9	0.3	0.0	62.6	0.0
		0.0	0.3	0.9	1.7	2.8	3.9	5.0	5.8	6.3	6.3	6.3	5.8	5.0	3.9	2.7	1.7	0.9	0.3	0.0	53.7	0.0
		0.0	0.3	0.9	1.6	2.6	3.6	4.6	5.3	5.8	5.8	5.3	4.6	3.6	2.5	1.6	0.9	0.5	0.2	0.0	42.3	0.0
		0.0	0.2	0.7	1.4	2.2	3.1	4.0	4.6	4.9	4.9	4.6	3.9	3.1	2.2	1.4	0.9	0.5	0.2	0.0	29.9	0.0
		0.0	0.2	0.6	1.2	1.9	2.6	3.2	3.7	4.0	4.0	3.7	3.2	2.6	1.8	1.2	0.6	0.2	0.1	0.0	18.4	0.0
		0.0	0.2	0.5	0.9	1.4	2.0	2.5	2.8	3.0	3.0	2.8	2.5	2.0	1.4	0.9	0.5	0.2	0.1	0.0	9.0	0.0
		0.0	0.1	0.3	0.6	1.0	1.4	1.7	1.9	2.1	2.1	1.9	1.7	1.4	1.0	0.6	0.3	0.1	0.0	0.0	18.3	0.0
		0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.0	0.0	10.4	0.0
		0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	3.2	0.2
		0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	583	0.4
		0.0	0.4	3.3	9.7	19.1	30.7	43.1	54.5	63.3	68.1	68.0	63.2	54.3	42.9	30.5	19.0	9.6	3.3	0.4	583	0.4
		0.0	2.6	9.1	18.5	30.1	42.5	53.9	62.7	67.5	67.4	62.6	53.7	42.3	29.9	18.4	9.0	2.6	0.0	0.0	573	0.0

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

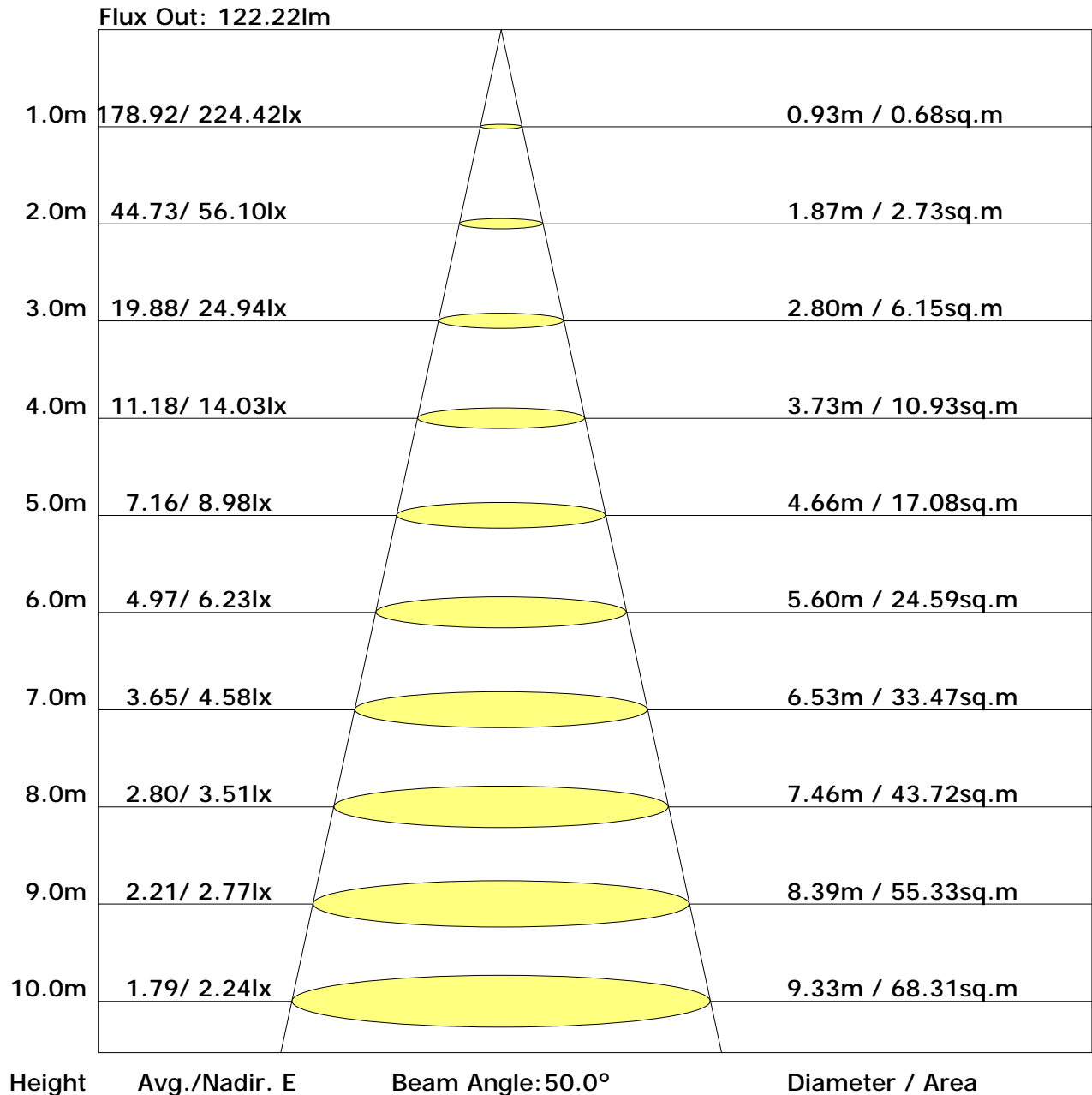
Distance: 9.028 m

Humidity: 60%

Inspector:



The Average Illuminance Effective Figure



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	18.0	19.6	18.4	19.9	20.2	17.0	18.6	17.4	18.9	19.3
3H	19.7	21.1	20.1	21.5	21.9	18.5	19.9	18.9	20.3	20.7
4H	20.3	21.7	20.7	22.0	22.4	19.0	20.4	19.4	20.7	21.1
6H	20.7	22.0	21.2	22.4	22.8	19.3	20.6	19.8	21.0	21.4
8H	20.9	22.1	21.3	22.5	22.9	19.4	20.6	19.9	21.0	21.4
12H	20.9	22.1	21.4	22.5	22.9	19.5	20.6	19.9	21.0	21.5
X=4H Y=2H	18.4	19.7	18.8	20.1	20.5	17.6	19.0	18.0	19.4	19.8
3H	20.3	21.4	20.7	21.8	22.3	19.3	20.5	19.7	20.9	21.3
4H	21.0	22.1	21.5	22.5	22.9	19.9	21.0	20.4	21.4	21.9
6H	21.6	22.5	22.0	22.9	23.4	20.4	21.3	20.8	21.7	22.2
8H	21.7	22.6	22.2	23.0	23.5	20.5	21.3	21.0	21.8	22.3
12H	21.8	22.6	22.3	23.1	23.6	20.5	21.3	21.0	21.8	22.3
X=8H Y=4H	21.2	22.0	21.7	22.5	23.0	20.2	21.1	20.7	21.5	22.0
6H	21.8	22.5	22.3	23.0	23.5	20.7	21.5	21.3	22.0	22.5
8H	22.0	22.7	22.6	23.2	23.7	20.9	21.5	21.4	22.1	22.6
12H	22.2	22.7	22.7	23.2	23.8	21.0	21.6	21.6	22.1	22.7
X=12H Y=4H	21.2	22.0	21.7	22.4	22.9	20.3	21.0	20.7	21.5	22.0
6H	21.8	22.5	22.4	23.0	23.5	20.8	21.4	21.3	21.9	22.5
8H	22.1	22.6	22.6	23.1	23.7	21.0	21.6	21.5	22.1	22.7

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	0.58	0.68	0.75	0.80	0.87	0.92	0.96	1.00	1.03
	0.30		0.50	0.60	0.68	0.73	0.81	0.87	0.91	0.96	1.00
	0.20		0.44	0.55	0.62	0.68	0.76	0.82	0.86	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.72	0.77	0.84	0.89	0.92	0.96	0.99
	0.30		0.49	0.59	0.66	0.71	0.79	0.84	0.88	0.93	0.96
	0.20		0.44	0.54	0.61	0.67	0.74	0.80	0.84	0.90	0.93
0.30	0.50	0.20	0.54	0.64	0.70	0.75	0.81	0.85	0.88	0.92	0.95
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.92
	0.20		0.44	0.53	0.60	0.65	0.73	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.41	0.51	0.57	0.62	0.69	0.74	0.78	0.82	0.85
Rating: 10W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

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	0.98	0.81	0.69	0.60	0.48	0.40	0.34	0.27	0.22	
	0.30		0.82	0.69	0.60	0.53	0.44	0.37	0.32	0.25	0.21	
	0.20		0.70	0.60	0.53	0.48	0.40	0.34	0.30	0.24	0.20	
0.50	0.50	0.20	0.94	0.78	0.66	0.58	0.46	0.41	0.33	0.25	0.21	
	0.30		0.80	0.67	0.58	0.52	0.42	0.35	0.30	0.24	0.20	
	0.20		0.69	0.59	0.52	0.47	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.91	0.74	0.63	0.55	0.44	0.36	0.31	0.24	0.20	
	0.30		0.78	0.66	0.57	0.50	0.40	0.34	0.29	0.23	0.19	
	0.20		0.68	0.59	0.51	0.46	0.38	0.32	0.28	0.22	0.18	
0.00	0.00	0.00	0.58	0.49	0.42	0.37	0.30	0.25	0.22	0.17	0.14	
Rating: 10W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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	0.17	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Rating: 10W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	224.5	0.2	0.2	0.04	0.04
1.0-2.0	224.4	0.6	0.9	0.11	0.15
2.0-3.0	224.2	1.1	1.9	0.18	0.33
3.0-4.0	223.8	1.5	3.4	0.25	0.58
4.0-5.0	223.4	1.9	5.4	0.33	0.91
5.0-6.0	222.8	2.3	7.7	0.40	1.31
6.0-7.0	222.1	2.8	10.5	0.47	1.77
7.0-8.0	221.3	3.2	13.6	0.54	2.31
8.0-9.0	220.4	3.6	17.2	0.61	2.92
9.0-10.0	219.4	4.0	21.2	0.67	3.59
10.0-11.0	218.3	4.4	25.5	0.74	4.33
11.0-12.0	217.1	4.7	30.3	0.81	5.14
12.0-13.0	215.7	5.1	35.4	0.87	6.00
13.0-14.0	214.3	5.5	40.9	0.93	6.94
14.0-15.0	212.8	5.8	46.7	0.99	7.93
15.0-16.0	211.2	6.2	52.9	1.05	8.98
16.0-17.0	209.4	6.5	59.4	1.11	10.08
17.0-18.0	207.6	6.8	66.3	1.16	11.24
18.0-19.0	205.7	7.2	73.4	1.21	12.46
19.0-20.0	203.7	7.5	80.9	1.27	13.72
20.0-21.0	201.7	7.7	88.6	1.31	15.04
21.0-22.0	199.5	8.0	96.7	1.36	16.40
22.0-23.0	197.3	8.3	104.9	1.40	17.80
23.0-24.0	195.0	8.5	113.5	1.45	19.25
24.0-25.0	192.6	8.8	122.2	1.49	20.73
25.0-26.0	190.2	9.0	131.2	1.52	22.26
26.0-27.0	187.7	9.2	140.4	1.56	23.82
27.0-28.0	185.1	9.4	149.8	1.59	25.41
28.0-29.0	182.5	9.5	159.3	1.62	27.03
29.0-30.0	179.8	9.7	169.0	1.65	28.67
30.0-31.0	177.1	9.9	178.9	1.67	30.35
31.0-32.0	174.3	10.0	188.9	1.69	32.04
32.0-33.0	171.5	10.1	199.0	1.71	33.75
33.0-34.0	168.6	10.2	209.2	1.73	35.48
34.0-35.0	165.6	10.3	219.5	1.75	37.23
35.0-36.0	162.7	10.4	229.8	1.76	38.99

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	159.7	10.4	240.2	1.77	40.75
37.0-38.0	156.6	10.5	250.7	1.77	42.53
38.0-39.0	153.6	10.5	261.2	1.78	44.31
39.0-40.0	150.5	10.5	271.7	1.78	46.09
40.0-41.0	147.3	10.5	282.2	1.78	47.87
41.0-42.0	144.2	10.5	292.6	1.78	49.64
42.0-43.0	141.0	10.4	303.1	1.77	51.42
43.0-44.0	137.8	10.4	313.5	1.76	53.18
44.0-45.0	134.6	10.3	323.8	1.76	54.94
45.0-46.0	131.4	10.3	334.1	1.74	56.68
46.0-47.0	128.1	10.2	344.3	1.73	58.41
47.0-48.0	124.9	10.1	354.4	1.71	60.12
48.0-49.0	121.6	10.0	364.4	1.69	61.82
49.0-50.0	118.4	9.9	374.2	1.67	63.49
50.0-51.0	115.1	9.7	384.0	1.65	65.14
51.0-52.0	111.8	9.6	393.6	1.63	66.77
52.0-53.0	108.5	9.4	403.0	1.60	68.37
53.0-54.0	105.2	9.3	412.3	1.57	69.95
54.0-55.0	102.0	9.1	421.4	1.54	71.49
55.0-56.0	98.7	8.9	430.3	1.51	73.00
56.0-57.0	95.5	8.7	439.1	1.48	74.49
57.0-58.0	92.2	8.5	447.6	1.45	75.93
58.0-59.0	89.0	8.3	455.9	1.41	77.34
59.0-60.0	85.7	8.1	464.0	1.37	78.72
60.0-61.0	82.5	7.9	471.9	1.34	80.05
61.0-62.0	79.3	7.6	479.5	1.30	81.35
62.0-63.0	76.1	7.4	486.9	1.26	82.61
63.0-64.0	72.9	7.2	494.1	1.21	83.82
64.0-65.0	69.8	6.9	501.0	1.17	84.99
65.0-66.0	66.7	6.7	507.6	1.13	86.12
66.0-67.0	63.5	6.4	514.0	1.08	87.21
67.0-68.0	60.4	6.1	520.2	1.04	88.24
68.0-69.0	57.4	5.9	526.0	0.99	89.24
69.0-70.0	54.3	5.6	531.6	0.95	90.18
70.0-71.0	51.2	5.3	536.9	0.90	91.08
71.0-72.0	48.2	5.0	541.9	0.85	91.93

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	45.2	4.7	546.6	0.80	92.73
73.0-74.0	42.3	4.4	551.1	0.75	93.49
74.0-75.0	39.3	4.2	555.2	0.70	94.19
75.0-76.0	36.4	3.9	559.1	0.66	94.85
76.0-77.0	33.5	3.6	562.7	0.61	95.45
77.0-78.0	30.7	3.3	565.9	0.56	96.01
78.0-79.0	27.9	3.0	568.9	0.51	96.52
79.0-80.0	25.1	2.7	571.6	0.46	96.98
80.0-81.0	22.3	2.4	574.1	0.41	97.39
81.0-82.0	19.6	2.1	576.2	0.36	97.75
82.0-83.0	17.0	1.8	578.0	0.31	98.06
83.0-84.0	14.3	1.6	579.6	0.26	98.33
84.0-85.0	11.8	1.3	580.9	0.22	98.55
85.0-86.0	9.2	1.0	581.9	0.17	98.72
86.0-87.0	6.8	0.7	582.6	0.13	98.84
87.0-88.0	4.5	0.5	583.1	0.08	98.93
88.0-89.0	2.5	0.3	583.4	0.05	98.97
89.0-90.0	1.1	0.1	583.5	0.02	98.99
90.0-91.0	0.5	0.1	583.6	0.01	99.00
91.0-92.0	0.3	0.0	583.6	0.01	99.01
92.0-93.0	0.3	0.0	583.7	0.01	99.02
93.0-94.0	0.3	0.0	583.7	0.01	99.02
94.0-95.0	0.3	0.0	583.7	0.01	99.03
95.0-96.0	0.4	0.0	583.8	0.01	99.03
96.0-97.0	0.4	0.0	583.8	0.01	99.04
97.0-98.0	0.4	0.0	583.8	0.01	99.05
98.0-99.0	0.4	0.0	583.9	0.01	99.06
99.0-100.0	0.4	0.0	583.9	0.01	99.06
100.0-101.0	0.4	0.0	584.0	0.01	99.07
101.0-102.0	0.5	0.1	584.0	0.01	99.08
102.0-103.0	0.5	0.1	584.1	0.01	99.09
103.0-104.0	0.5	0.1	584.1	0.01	99.10
104.0-105.0	0.5	0.1	584.2	0.01	99.11
105.0-106.0	0.6	0.1	584.3	0.01	99.12
106.0-107.0	0.6	0.1	584.3	0.01	99.13
107.0-108.0	0.6	0.1	584.4	0.01	99.14

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.6	0.1	584.4	0.01	99.15
109.0-110.0	0.6	0.1	584.5	0.01	99.16
110.0-111.0	0.7	0.1	584.6	0.01	99.17
111.0-112.0	0.7	0.1	584.7	0.01	99.18
112.0-113.0	0.7	0.1	584.7	0.01	99.20
113.0-114.0	0.7	0.1	584.8	0.01	99.21
114.0-115.0	0.8	0.1	584.9	0.01	99.22
115.0-116.0	0.8	0.1	585.0	0.01	99.24
116.0-117.0	0.8	0.1	585.0	0.01	99.25
117.0-118.0	0.8	0.1	585.1	0.01	99.26
118.0-119.0	0.9	0.1	585.2	0.01	99.28
119.0-120.0	0.9	0.1	585.3	0.01	99.29
120.0-121.0	0.9	0.1	585.4	0.01	99.31
121.0-122.0	0.9	0.1	585.4	0.01	99.32
122.0-123.0	0.9	0.1	585.5	0.01	99.33
123.0-124.0	1.0	0.1	585.6	0.02	99.35
124.0-125.0	1.0	0.1	585.7	0.02	99.37
125.0-126.0	1.0	0.1	585.8	0.02	99.38
126.0-127.0	1.0	0.1	585.9	0.02	99.40
127.0-128.0	1.1	0.1	586.0	0.02	99.41
128.0-129.0	1.1	0.1	586.1	0.02	99.43
129.0-130.0	1.1	0.1	586.2	0.02	99.44
130.0-131.0	1.1	0.1	586.3	0.02	99.46
131.0-132.0	1.2	0.1	586.4	0.02	99.48
132.0-133.0	1.2	0.1	586.5	0.02	99.49
133.0-134.0	1.2	0.1	586.6	0.02	99.51
134.0-135.0	1.2	0.1	586.7	0.02	99.52
135.0-136.0	1.3	0.1	586.8	0.02	99.54
136.0-137.0	1.3	0.1	586.8	0.02	99.56
137.0-138.0	1.3	0.1	586.9	0.02	99.57
138.0-139.0	1.3	0.1	587.0	0.02	99.59
139.0-140.0	1.3	0.1	587.1	0.02	99.61
140.0-141.0	1.4	0.1	587.2	0.02	99.62
141.0-142.0	1.4	0.1	587.3	0.02	99.64
142.0-143.0	1.4	0.1	587.4	0.02	99.65
143.0-144.0	1.4	0.1	587.5	0.02	99.67

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.4	0.1	587.6	0.02	99.68
145.0-146.0	1.4	0.1	587.7	0.02	99.70
146.0-147.0	1.5	0.1	587.8	0.02	99.72
147.0-148.0	1.5	0.1	587.9	0.01	99.73
148.0-149.0	1.5	0.1	588.0	0.01	99.74
149.0-150.0	1.5	0.1	588.0	0.01	99.76
150.0-151.0	1.5	0.1	588.1	0.01	99.77
151.0-152.0	1.6	0.1	588.2	0.01	99.79
152.0-153.0	1.6	0.1	588.3	0.01	99.80
153.0-154.0	1.6	0.1	588.4	0.01	99.81
154.0-155.0	1.6	0.1	588.4	0.01	99.83
155.0-156.0	1.6	0.1	588.5	0.01	99.84
156.0-157.0	1.6	0.1	588.6	0.01	99.85
157.0-158.0	1.6	0.1	588.6	0.01	99.86
158.0-159.0	1.7	0.1	588.7	0.01	99.87
159.0-160.0	1.7	0.1	588.8	0.01	99.89
160.0-161.0	1.7	0.1	588.8	0.01	99.90
161.0-162.0	1.7	0.1	588.9	0.01	99.91
162.0-163.0	1.7	0.1	589.0	0.01	99.92
163.0-164.0	1.7	0.1	589.0	0.01	99.92
164.0-165.0	1.8	0.1	589.1	0.01	99.93
165.0-166.0	1.8	0.0	589.1	0.01	99.94
166.0-167.0	1.8	0.0	589.2	0.01	99.95
167.0-168.0	1.8	0.0	589.2	0.01	99.96
168.0-169.0	1.8	0.0	589.2	0.01	99.96
169.0-170.0	1.8	0.0	589.3	0.01	99.97
170.0-171.0	1.8	0.0	589.3	0.01	99.98
171.0-172.0	1.9	0.0	589.3	0.01	99.98
172.0-173.0	1.9	0.0	589.4	0.00	99.99
173.0-174.0	1.9	0.0	589.4	0.00	99.99
174.0-175.0	1.9	0.0	589.4	0.00	99.99
175.0-176.0	1.9	0.0	589.4	0.00	100.00
176.0-177.0	1.9	0.0	589.4	0.00	100.00
177.0-178.0	1.9	0.0	589.4	0.00	100.00
178.0-179.0	1.9	0.0	589.5	0.00	100.00
179.0-180.0	1.9	0.0	589.5	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: