

Report No.:

Test Time: 2021/2/19 16:19

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: CHANNEL

Lamp Catalog: RIBBONLYTE

Number of Lamps: 1 ROWS

Luminous Width (mm): 23.4

Voltage: 24.0 V

Power: 5.33 W

Luminaire Description: AR23

Lamp Description: RB90SWS2203.030

Luminous Length (mm): 500

Luminous Height (mm): 23.2

Current: 0.222 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 294 lm

Downward Ratio: 96%

Horizontal Diffuse Angle(10%,50%): H112.6,H66.3

Vertical Diffuse Angle(10%,50%): V63.3,V8.1

Luminaire Efficacy Rating (LER): 55

Max. Intensity: 551.66 cd

Total Rated Lamp Lumens: 294.0 lm

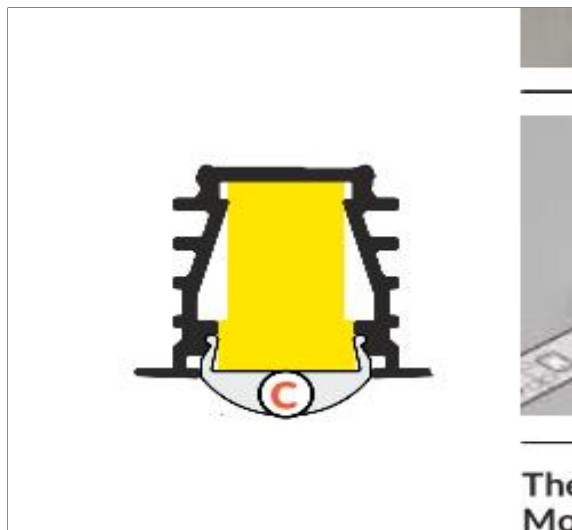
Efficiency: 100%

Upward Ratio: 4%

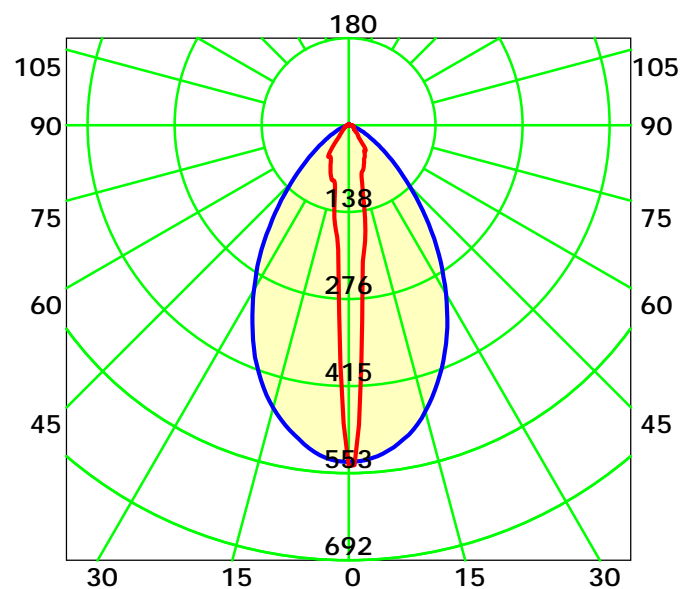
Central Intensity: 535.64 cd

Pos of Max. Intensity: H30 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 37.2° 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

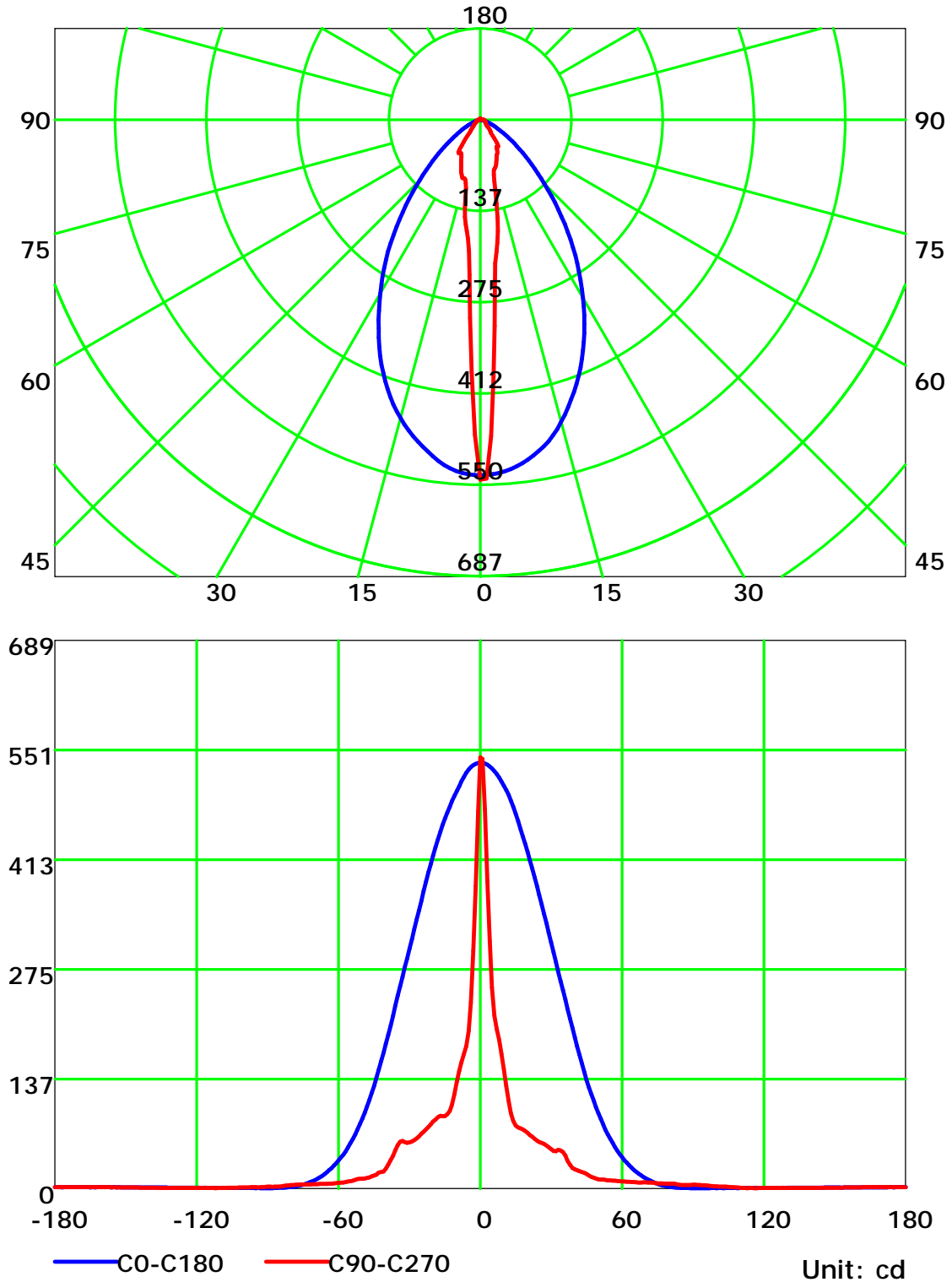
Distance: 9.028 m

Humidity: 60%

Inspector:



Luminous Intensity Distribution Curve

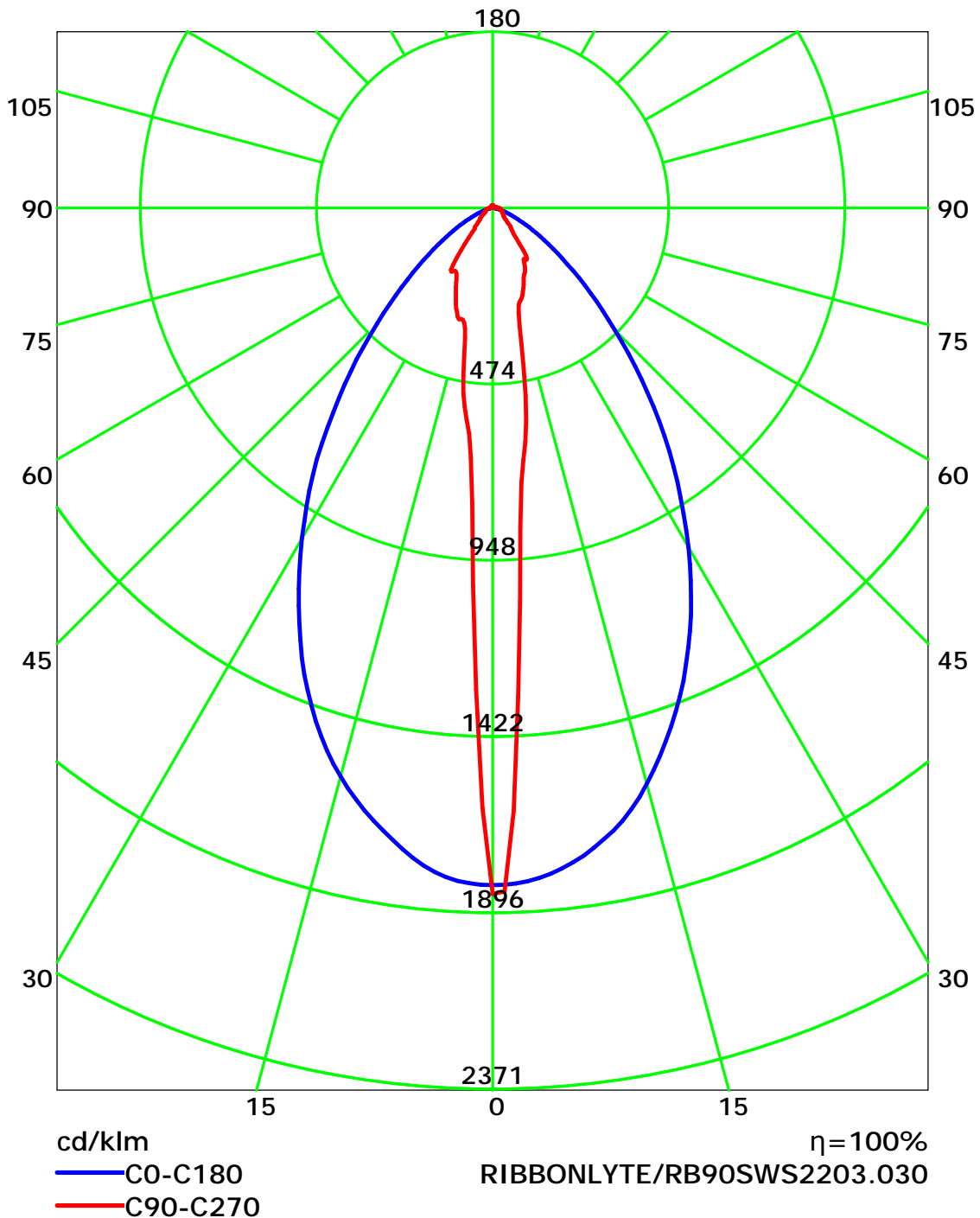


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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:

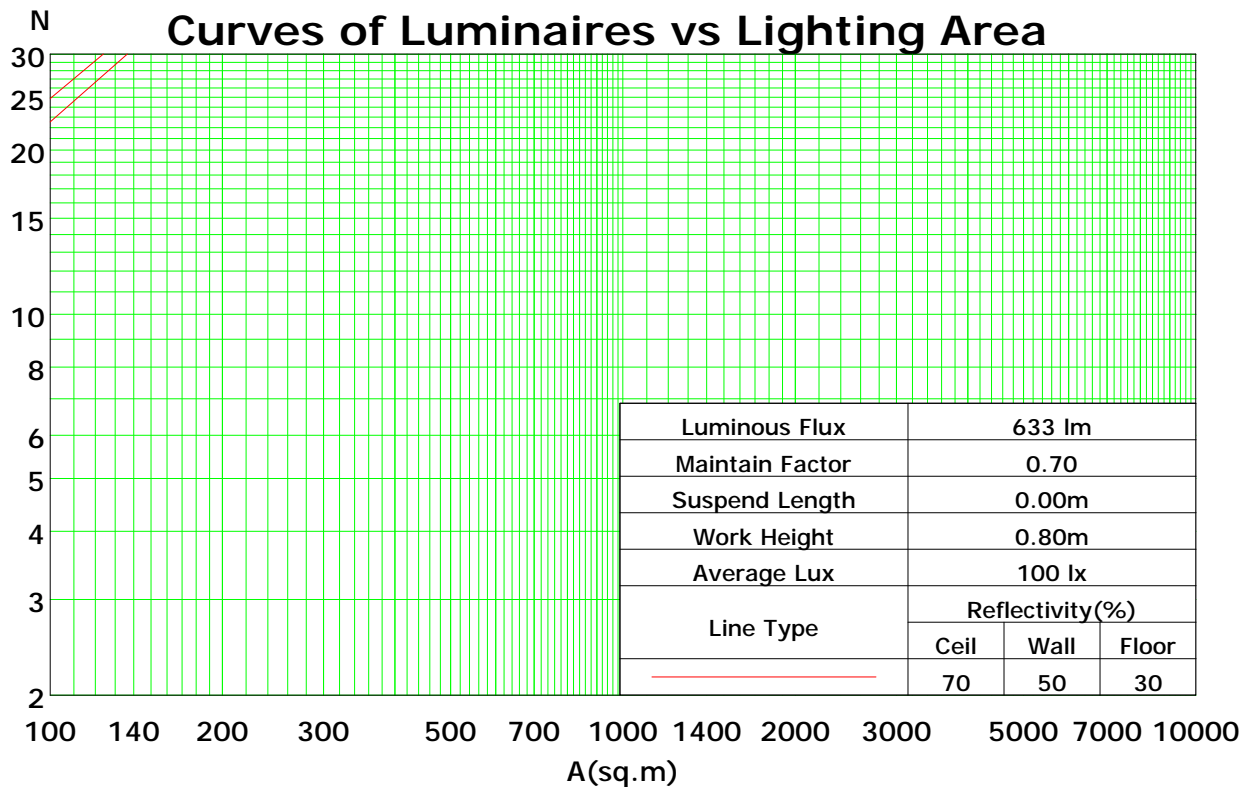
Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	86
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	84	81	79	77
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69
4	90	81	74	69	88	79	73	68	77	71	67	74	69	66	72	68	64	63
5	85	75	67	62	83	73	67	62	71	65	61	69	64	60	67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	55	64	59	55	62	58	54	52
7	75	64	57	52	73	63	56	52	61	55	51	60	54	50	58	54	50	48
8	71	60	53	48	69	59	52	48	57	51	47	56	51	47	55	50	46	45
9	67	56	49	44	66	55	49	44	54	48	44	53	47	43	51	47	43	42
10	64	52	46	41	62	52	46	41	51	45	41	50	44	41	49	44	40	39

Spacing Criteria (0-180): 0.95

Spacing Criteria (90-270): 0.14

Spacing Criteria (Diagonal): 0.34



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

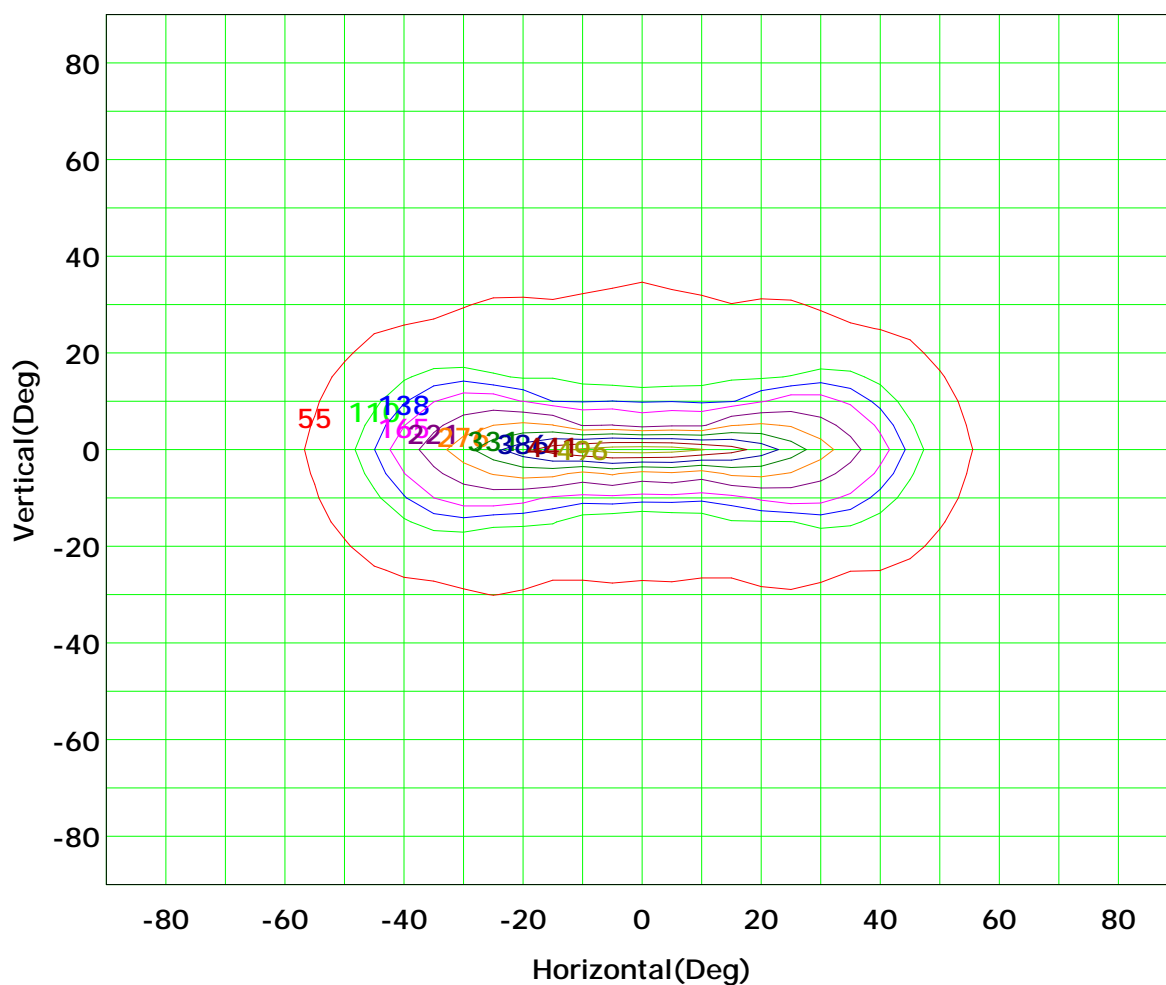
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



I_{max} (100%): 552 cd

(10%): 55 cd	(20%): 110 cd
(25%): 138 cd	(30%): 165 cd
(40%): 221 cd	(50%): 276 cd
(60%): 331 cd	(70%): 386 cd
(80%): 441 cd	(90%): 496 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

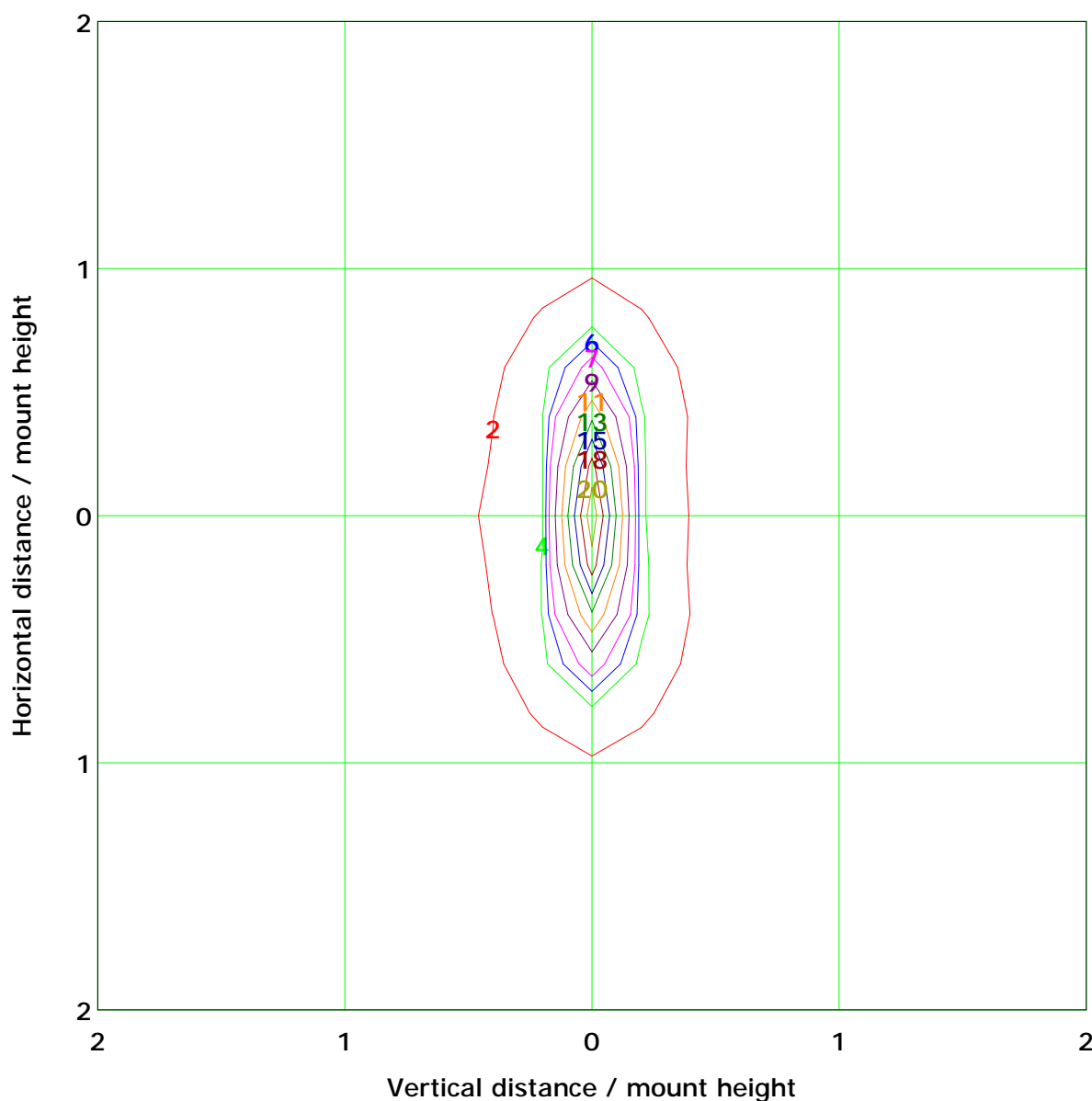
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 22.1 lx	
(10%): 2.2 lx	(20%): 4.4 lx
(25%): 5.5 lx	(30%): 6.6 lx
(40%): 8.8 lx	(50%): 11.0 lx
(60%): 13.2 lx	(70%): 15.4 lx
(80%): 17.6 lx	(90%): 19.9 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

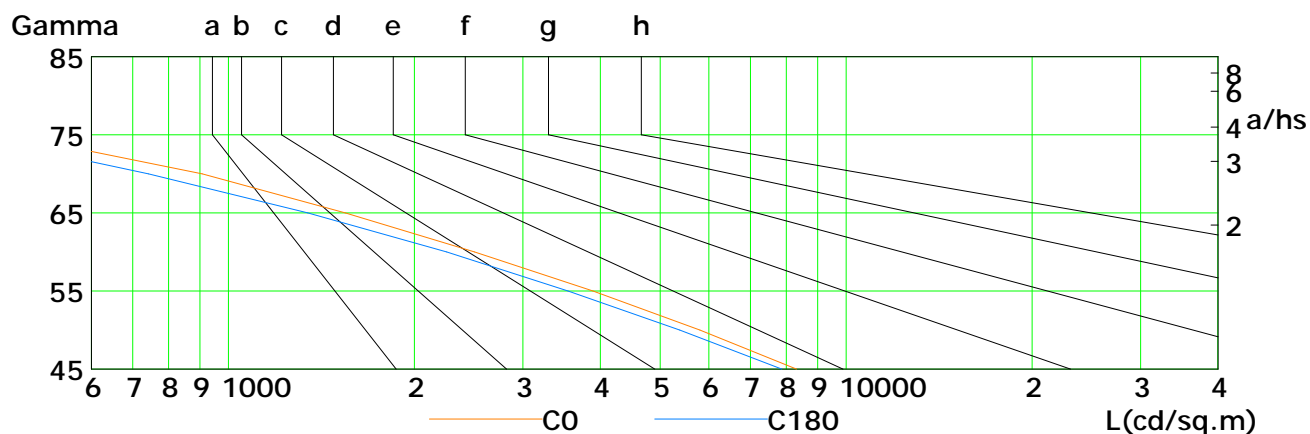
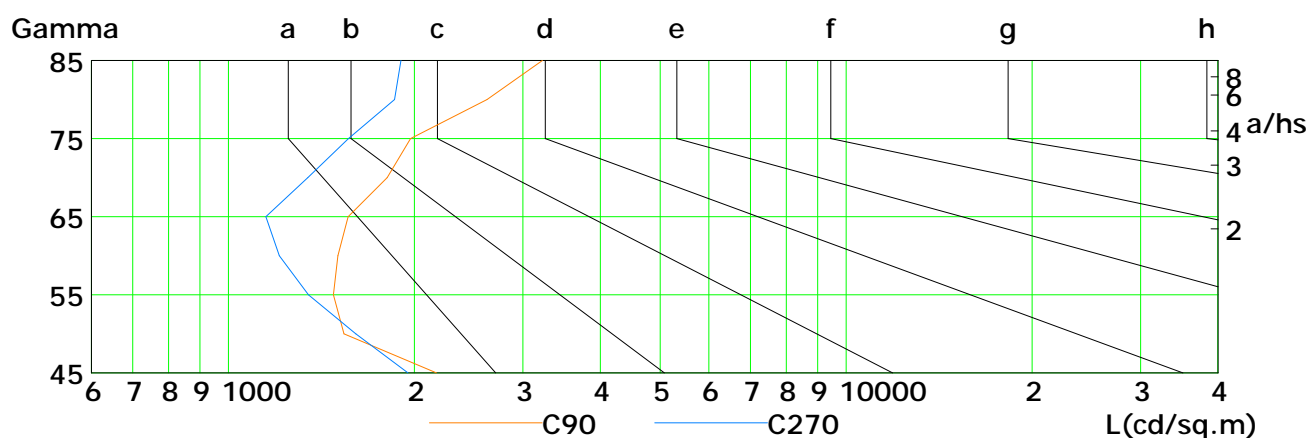
Humidity: 60%

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	8314	5802	3894	2503	1546	907	445	204	105
C90	2173	1538	1480	1505	1563	1809	1973	2622	3223
C180	7868	5379	3548	2257	1346	743	378	184	108
C270	1954	1608	1349	1209	1150	1345	1565	1859	1903

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

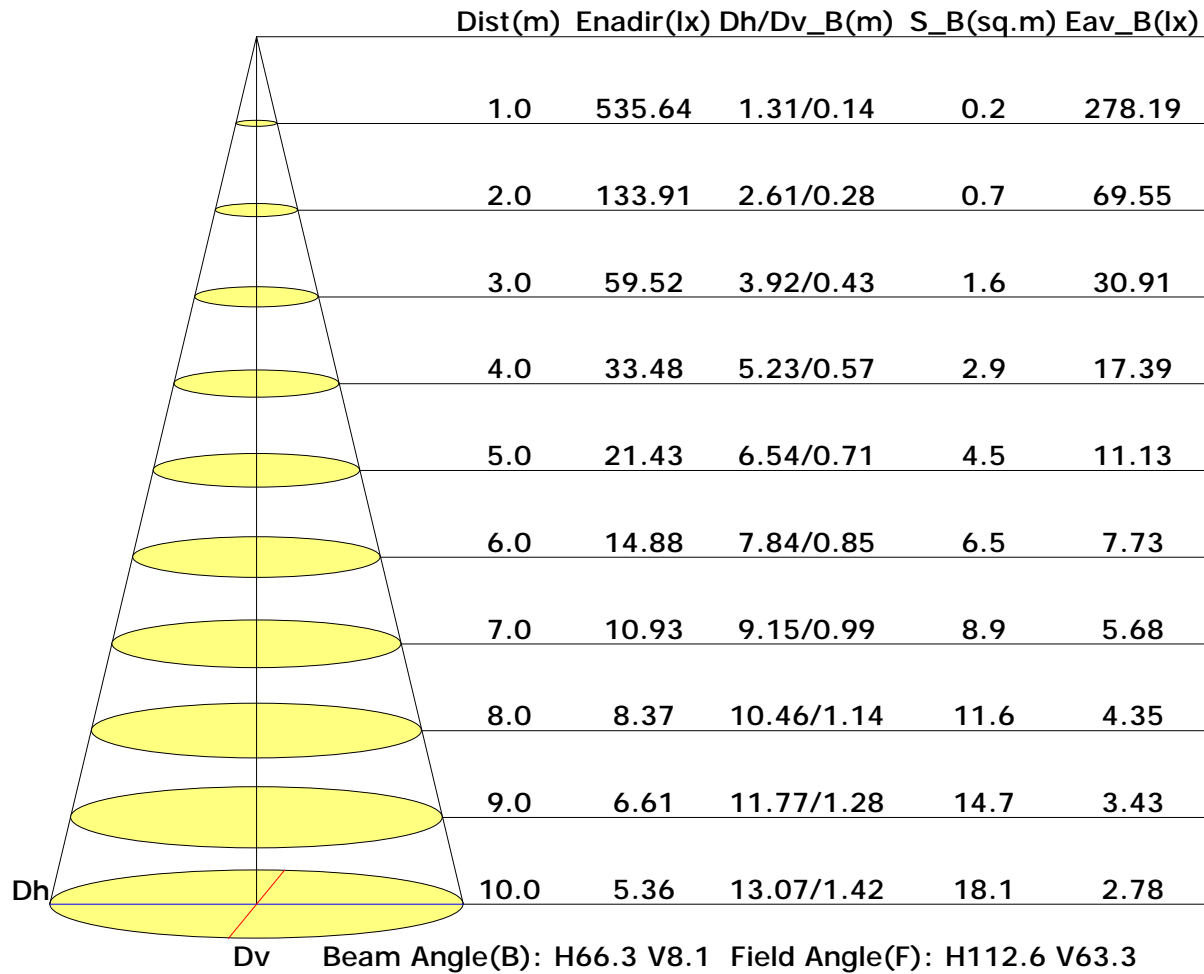
Distance: 9.028 m

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

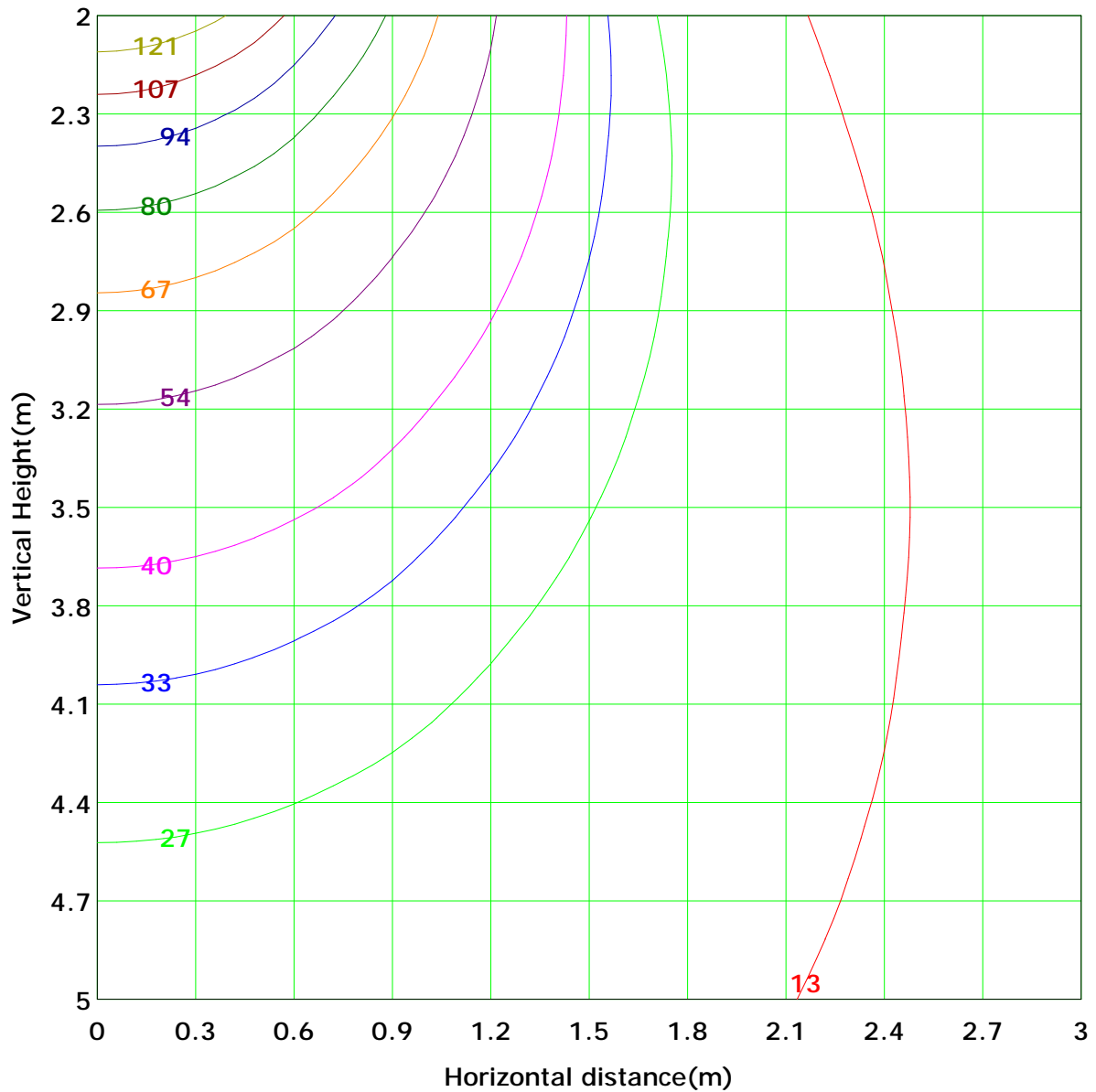
Distance: 9.028 m

Humidity: 60%

Inspector:



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 133.9 lx
(10%): 13.4 lx	(20%): 26.8 lx	
(25%): 33.5 lx	(30%): 40.2 lx	
(40%): 53.6 lx	(50%): 67.0 lx	
(60%): 80.3 lx	(70%): 93.7 lx	
(80%): 107.1 lx	(90%): 120.5 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)
Horizontal plane	-90	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	0.1	0.1	0.1	0.1	0.1	0.1	0.0
	-80	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	-70	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	-60	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	-50	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	-40	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	-30	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	-20	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	-10	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	10	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	20	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	30	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	40	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	50	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	60	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	70	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	80	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	90	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	Flux(T)	0.1	0.6	2.2	6.0	13.2	22.7	29.9	31.9	32.1	32.8	32.6	30.8	23.8	14.1	6.5	2.5	0.7	0.1	283		
	Flux(E)	0.0	0.0	0.0	1.3	9.0	17.8	25.2	26.5	26.9	27.6	27.3	26.2	18.9	10.0	1.8	0.0	0.0	0.0	0.0	219	

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

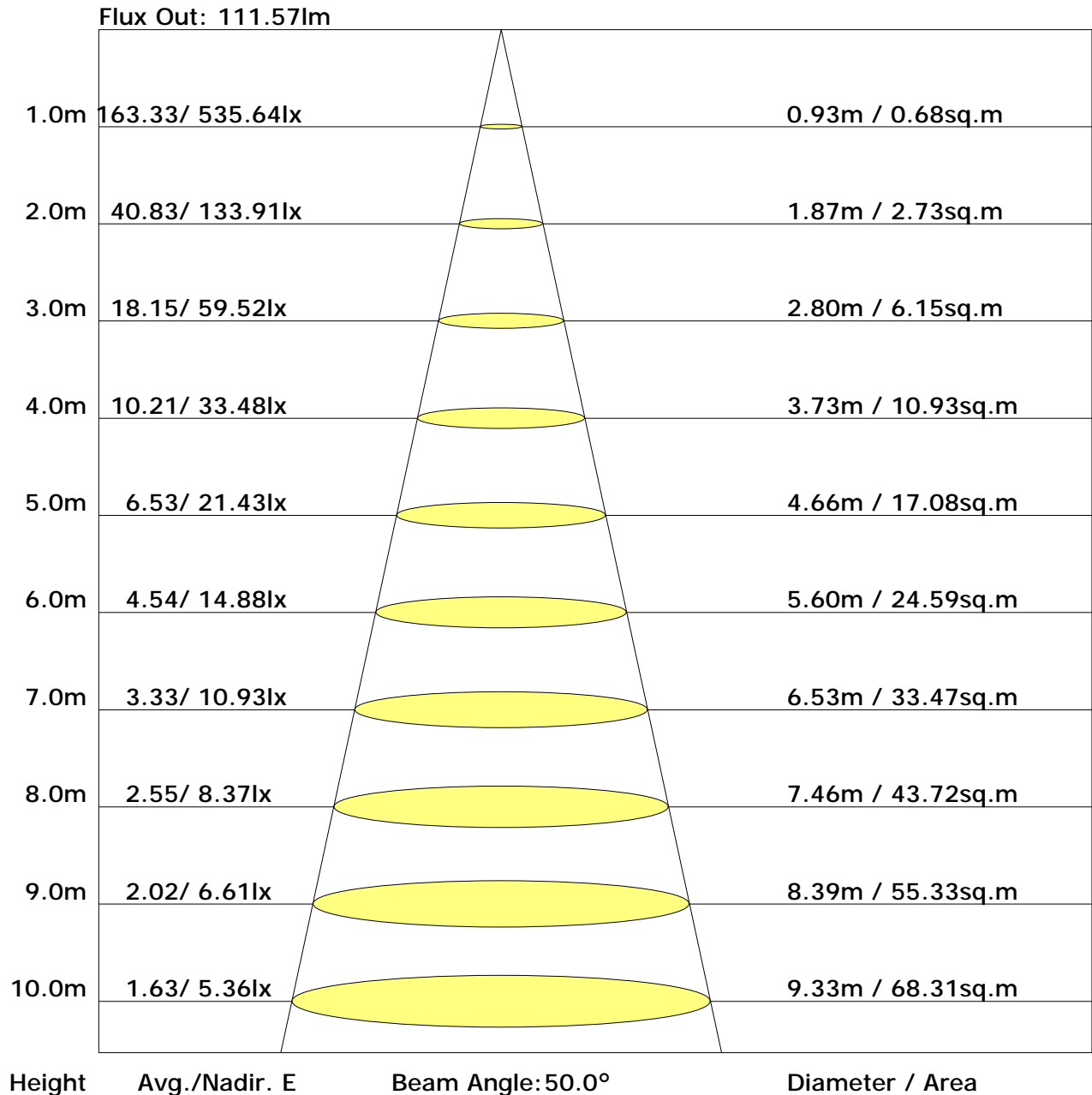
Distance: 9.028 m

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	19.1	20.3	19.5	20.7	21.1	9.7	10.9	10.1	11.3	11.7
3H	19.9	20.9	20.3	21.4	21.8	11.8	12.8	12.2	13.2	13.7
4H	20.0	21.0	20.5	21.5	22.0	12.7	13.8	13.2	14.2	14.7
6H	20.1	21.0	20.6	21.5	22.0	13.7	14.7	14.2	15.1	15.6
8H	20.1	21.0	20.6	21.5	22.0	14.2	15.1	14.7	15.5	16.0
12H	20.1	21.0	20.6	21.4	21.9	14.5	15.4	15.0	15.8	16.4
X=4H Y=2H	18.9	19.9	19.4	20.3	20.8	10.5	11.5	11.0	11.9	12.4
3H	19.7	20.6	20.2	21.1	21.5	12.8	13.7	13.3	14.2	14.7
4H	20.0	20.7	20.5	21.2	21.7	14.0	14.8	14.5	15.3	15.8
6H	20.1	20.8	20.7	21.3	21.9	15.2	15.9	15.7	16.4	16.9
8H	20.2	20.8	20.7	21.3	21.9	15.7	16.4	16.3	16.9	17.4
12H	20.2	20.8	20.8	21.3	21.9	16.2	16.7	16.7	17.3	17.8
X=8H Y=4H	19.9	20.5	20.5	21.0	21.6	14.6	15.2	15.1	15.7	16.3
6H	20.1	20.7	20.7	21.2	21.8	16.0	16.5	16.6	17.1	17.7
8H	20.3	20.7	20.9	21.3	21.9	16.8	17.2	17.4	17.8	18.4
12H	20.4	20.8	21.0	21.4	22.0	17.4	17.8	18.0	18.4	19.0
X=12H Y=4H	19.9	20.4	20.4	21.0	21.6	14.7	15.2	15.2	15.8	16.4
6H	20.2	20.6	20.8	21.2	21.8	16.3	16.7	16.9	17.3	17.9
8H	20.3	20.7	20.9	21.3	22.0	17.1	17.5	17.7	18.1	18.8

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 = 0.75								
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	0.69	0.78	0.84	0.88	0.94	0.98	1.00	1.04	1.06
	0.30		0.63	0.72	0.78	0.83	0.89	0.93	0.96	1.00	1.03
	0.20		0.58	0.67	0.74	0.78	0.85	0.90	0.93	0.97	1.00
0.50	0.50	0.20	0.67	0.76	0.81	0.85	0.90	0.94	0.96	0.99	1.01
	0.30		0.62	0.70	0.76	0.80	0.86	0.90	0.93	0.96	0.99
	0.20		0.58	0.66	0.72	0.77	0.83	0.87	0.90	0.94	0.97
0.30	0.50	0.20	0.66	0.73	0.79	0.82	0.87	0.90	0.92	0.95	0.96
	0.30		0.61	0.69	0.74	0.78	0.84	0.87	0.89	0.93	0.95
	0.20		0.57	0.65	0.71	0.75	0.81	0.84	0.87	0.91	0.93
0.00	0.00	0.00	0.55	0.63	0.68	0.72	0.77	0.80	0.82	0.86	0.87
Rating:5W 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 = 0.75								
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	0.80	0.65	0.55	0.47	0.38	0.31	0.27	0.21	0.17
	0.30		0.66	0.55	0.48	0.42	0.34	0.29	0.25	0.20	0.16
	0.20		0.57	0.48	0.42	0.38	0.31	0.27	0.23	0.19	0.16
0.50	0.50	0.20	0.76	0.61	0.52	0.45	0.35	0.33	0.25	0.19	0.16
	0.30		0.64	0.53	0.46	0.40	0.32	0.27	0.23	0.18	0.15
	0.20		0.56	0.47	0.41	0.36	0.30	0.25	0.22	0.18	0.15
0.30	0.50	0.20	0.72	0.58	0.49	0.42	0.33	0.27	0.23	0.18	0.15
	0.30		0.62	0.51	0.44	0.38	0.30	0.26	0.22	0.17	0.14
	0.20		0.54	0.46	0.39	0.35	0.28	0.24	0.21	0.16	0.14
0.00	0.00	0.00	0.42	0.34	0.29	0.25	0.20	0.17	0.14	0.11	0.09
Rating:5W 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 = 0.75								
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	0.20	0.21	0.22	0.23	0.23	0.24	0.25	0.25
	0.30		0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23
	0.20		0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	0.21
0.50	0.50	0.20	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.24	0.24
	0.30		0.13	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22
	0.20		0.09	0.11	0.12	0.14	0.15	0.17	0.18	0.20	0.20
0.30	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.13	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.21
	0.20		0.09	0.11	0.12	0.13	0.15	0.17	0.18	0.19	0.20
0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Rating:5W 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	532.9	0.5	0.5	0.17	0.17
1.0-2.0	502.4	1.4	2.0	0.49	0.66
2.0-3.0	454.2	2.2	4.1	0.74	1.40
3.0-4.0	403.1	2.7	6.8	0.92	2.32
4.0-5.0	357.8	3.1	9.9	1.05	3.37
5.0-6.0	321.3	3.4	13.3	1.15	4.52
6.0-7.0	293.5	3.6	16.9	1.24	5.76
7.0-8.0	272.9	3.9	20.8	1.33	7.09
8.0-9.0	256.2	4.2	25.0	1.41	8.50
9.0-10.0	241.0	4.4	29.3	1.48	9.98
10.0-11.0	226.7	4.5	33.9	1.54	11.52
11.0-12.0	213.7	4.7	38.5	1.59	13.11
12.0-13.0	202.3	4.8	43.3	1.63	14.75
13.0-14.0	192.7	4.9	48.3	1.68	16.42
14.0-15.0	184.8	5.1	53.4	1.73	18.15
15.0-16.0	178.4	5.2	58.6	1.78	19.93
16.0-17.0	173.3	5.4	64.0	1.84	21.77
17.0-18.0	168.9	5.6	69.6	1.89	23.66
18.0-19.0	164.5	5.7	75.3	1.95	25.61
19.0-20.0	159.9	5.9	81.1	1.99	27.60
20.0-21.0	155.2	6.0	87.1	2.03	29.63
21.0-22.0	150.3	6.0	93.1	2.06	31.68
22.0-23.0	145.4	6.1	99.2	2.08	33.76
23.0-24.0	140.6	6.1	105.4	2.09	35.85
24.0-25.0	136.0	6.2	111.6	2.10	37.95
25.0-26.0	131.7	6.2	117.8	2.12	40.07
26.0-27.0	127.6	6.2	124.0	2.12	42.20
27.0-28.0	123.7	6.3	130.3	2.13	44.33
28.0-29.0	119.7	6.3	136.6	2.13	46.46
29.0-30.0	115.6	6.2	142.8	2.12	48.58
30.0-31.0	111.3	6.2	149.0	2.11	50.69
31.0-32.0	107.2	6.1	155.1	2.09	52.78
32.0-33.0	103.5	6.1	161.2	2.08	54.85
33.0-34.0	99.7	6.0	167.3	2.05	56.91
34.0-35.0	95.8	6.0	173.2	2.03	58.93
35.0-36.0	92.0	5.9	179.1	1.99	60.92

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 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	87.8	5.7	184.8	1.95	62.87
37.0-38.0	83.1	5.5	190.4	1.89	64.76
38.0-39.0	77.8	5.3	195.7	1.81	66.57
39.0-40.0	72.2	5.0	200.7	1.71	68.28
40.0-41.0	67.0	4.8	205.5	1.62	69.90
41.0-42.0	62.5	4.5	210.0	1.54	71.45
42.0-43.0	58.2	4.3	214.3	1.47	72.91
43.0-44.0	54.2	4.1	218.4	1.39	74.31
44.0-45.0	50.6	3.9	222.3	1.32	75.63
45.0-46.0	47.5	3.7	226.0	1.26	76.89
46.0-47.0	44.5	3.5	229.6	1.20	78.10
47.0-48.0	41.7	3.4	232.9	1.15	79.24
48.0-49.0	39.0	3.2	236.1	1.09	80.33
49.0-50.0	36.3	3.0	239.2	1.03	81.36
50.0-51.0	33.7	2.8	242.0	0.97	82.33
51.0-52.0	31.1	2.7	244.7	0.91	83.24
52.0-53.0	28.4	2.5	247.2	0.84	84.08
53.0-54.0	25.9	2.3	249.4	0.78	84.86
54.0-55.0	23.7	2.1	251.6	0.72	85.58
55.0-56.0	21.8	2.0	253.5	0.67	86.25
56.0-57.0	20.1	1.8	255.4	0.63	86.88
57.0-58.0	18.7	1.7	257.1	0.59	87.47
58.0-59.0	17.3	1.6	258.7	0.55	88.02
59.0-60.0	15.9	1.5	260.2	0.51	88.53
60.0-61.0	14.6	1.4	261.6	0.48	89.00
61.0-62.0	13.5	1.3	262.9	0.44	89.45
62.0-63.0	12.5	1.2	264.2	0.41	89.86
63.0-64.0	11.6	1.1	265.3	0.39	90.25
64.0-65.0	10.7	1.1	266.3	0.36	90.61
65.0-66.0	10.0	1.0	267.4	0.34	90.95
66.0-67.0	9.4	0.9	268.3	0.32	91.27
67.0-68.0	8.8	0.9	269.2	0.30	91.57
68.0-69.0	8.3	0.8	270.0	0.29	91.86
69.0-70.0	7.8	0.8	270.8	0.27	92.14
70.0-71.0	7.4	0.8	271.6	0.26	92.40
71.0-72.0	7.1	0.7	272.3	0.25	92.65

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 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	6.8	0.7	273.1	0.24	92.89
73.0-74.0	6.4	0.7	273.7	0.23	93.12
74.0-75.0	6.1	0.6	274.4	0.22	93.34
75.0-76.0	6.0	0.6	275.0	0.22	93.56
76.0-77.0	5.8	0.6	275.6	0.21	93.77
77.0-78.0	5.6	0.6	276.2	0.21	93.97
78.0-79.0	5.5	0.6	276.8	0.20	94.17
79.0-80.0	5.4	0.6	277.4	0.20	94.37
80.0-81.0	5.3	0.6	278.0	0.20	94.57
81.0-82.0	5.3	0.6	278.6	0.19	94.76
82.0-83.0	5.2	0.6	279.1	0.19	94.95
83.0-84.0	5.0	0.5	279.7	0.19	95.14
84.0-85.0	4.9	0.5	280.2	0.18	95.32
85.0-86.0	4.8	0.5	280.7	0.18	95.50
86.0-87.0	4.6	0.5	281.2	0.17	95.68
87.0-88.0	4.5	0.5	281.7	0.17	95.84
88.0-89.0	4.3	0.5	282.2	0.16	96.00
89.0-90.0	4.1	0.5	282.7	0.15	96.16
90.0-91.0	4.0	0.4	283.1	0.15	96.31
91.0-92.0	4.0	0.4	283.5	0.15	96.45
92.0-93.0	3.9	0.4	284.0	0.15	96.60
93.0-94.0	3.8	0.4	284.4	0.14	96.74
94.0-95.0	3.6	0.4	284.8	0.13	96.88
95.0-96.0	3.4	0.4	285.1	0.13	97.00
96.0-97.0	3.2	0.3	285.5	0.12	97.12
97.0-98.0	2.9	0.3	285.8	0.11	97.23
98.0-99.0	2.4	0.3	286.1	0.09	97.32
99.0-100.0	2.0	0.2	286.3	0.07	97.39
100.0-101.0	1.7	0.2	286.5	0.06	97.45
101.0-102.0	1.6	0.2	286.6	0.06	97.51
102.0-103.0	1.5	0.2	286.8	0.05	97.56
103.0-104.0	1.5	0.2	287.0	0.05	97.62
104.0-105.0	1.4	0.1	287.1	0.05	97.67
105.0-106.0	1.3	0.1	287.2	0.05	97.71
106.0-107.0	1.3	0.1	287.4	0.04	97.76
107.0-108.0	1.2	0.1	287.5	0.04	97.80

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	1.2	0.1	287.6	0.04	97.84
109.0-110.0	1.1	0.1	287.7	0.04	97.89
110.0-111.0	1.1	0.1	287.9	0.04	97.92
111.0-112.0	1.1	0.1	288.0	0.04	97.96
112.0-113.0	1.1	0.1	288.1	0.04	98.00
113.0-114.0	1.1	0.1	288.2	0.04	98.04
114.0-115.0	1.1	0.1	288.3	0.04	98.08
115.0-116.0	1.1	0.1	288.4	0.04	98.12
116.0-117.0	1.1	0.1	288.5	0.04	98.15
117.0-118.0	1.2	0.1	288.6	0.04	98.19
118.0-119.0	1.2	0.1	288.8	0.04	98.23
119.0-120.0	1.2	0.1	288.9	0.04	98.27
120.0-121.0	1.2	0.1	289.0	0.04	98.31
121.0-122.0	1.2	0.1	289.1	0.04	98.35
122.0-123.0	1.2	0.1	289.2	0.04	98.39
123.0-124.0	1.3	0.1	289.3	0.04	98.43
124.0-125.0	1.3	0.1	289.4	0.04	98.47
125.0-126.0	1.3	0.1	289.6	0.04	98.51
126.0-127.0	1.3	0.1	289.7	0.04	98.55
127.0-128.0	1.3	0.1	289.8	0.04	98.58
128.0-129.0	1.3	0.1	289.9	0.04	98.62
129.0-130.0	1.3	0.1	290.0	0.04	98.66
130.0-131.0	1.4	0.1	290.1	0.04	98.70
131.0-132.0	1.4	0.1	290.2	0.04	98.74
132.0-133.0	1.4	0.1	290.4	0.04	98.78
133.0-134.0	1.4	0.1	290.5	0.04	98.82
134.0-135.0	1.4	0.1	290.6	0.04	98.86
135.0-136.0	1.5	0.1	290.7	0.04	98.89
136.0-137.0	1.5	0.1	290.8	0.04	98.93
137.0-138.0	1.5	0.1	290.9	0.04	98.97
138.0-139.0	1.5	0.1	291.0	0.04	99.01
139.0-140.0	1.6	0.1	291.2	0.04	99.05
140.0-141.0	1.6	0.1	291.3	0.04	99.08
141.0-142.0	1.6	0.1	291.4	0.04	99.12
142.0-143.0	1.7	0.1	291.5	0.04	99.16
143.0-144.0	1.7	0.1	291.6	0.04	99.20

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	1.7	0.1	291.7	0.04	99.23
145.0-146.0	1.7	0.1	291.8	0.04	99.27
146.0-147.0	1.8	0.1	291.9	0.04	99.31
147.0-148.0	1.8	0.1	292.0	0.04	99.34
148.0-149.0	1.8	0.1	292.1	0.04	99.38
149.0-150.0	1.8	0.1	292.2	0.03	99.41
150.0-151.0	1.9	0.1	292.3	0.03	99.45
151.0-152.0	1.9	0.1	292.4	0.03	99.48
152.0-153.0	1.9	0.1	292.5	0.03	99.51
153.0-154.0	1.9	0.1	292.6	0.03	99.55
154.0-155.0	2.0	0.1	292.7	0.03	99.58
155.0-156.0	2.0	0.1	292.8	0.03	99.61
156.0-157.0	2.0	0.1	292.9	0.03	99.64
157.0-158.0	2.0	0.1	293.0	0.03	99.67
158.0-159.0	2.0	0.1	293.1	0.03	99.70
159.0-160.0	2.1	0.1	293.1	0.03	99.72
160.0-161.0	2.1	0.1	293.2	0.03	99.75
161.0-162.0	2.1	0.1	293.3	0.02	99.77
162.0-163.0	2.1	0.1	293.4	0.02	99.80
163.0-164.0	2.1	0.1	293.4	0.02	99.82
164.0-165.0	2.1	0.1	293.5	0.02	99.84
165.0-166.0	2.2	0.1	293.5	0.02	99.86
166.0-167.0	2.2	0.1	293.6	0.02	99.88
167.0-168.0	2.2	0.1	293.7	0.02	99.90
168.0-169.0	2.2	0.0	293.7	0.02	99.91
169.0-170.0	2.2	0.0	293.7	0.01	99.93
170.0-171.0	2.2	0.0	293.8	0.01	99.94
171.0-172.0	2.2	0.0	293.8	0.01	99.95
172.0-173.0	2.2	0.0	293.9	0.01	99.97
173.0-174.0	2.2	0.0	293.9	0.01	99.97
174.0-175.0	2.2	0.0	293.9	0.01	99.98
175.0-176.0	2.2	0.0	293.9	0.01	99.99
176.0-177.0	2.2	0.0	293.9	0.00	99.99
177.0-178.0	2.1	0.0	293.9	0.00	100.00
178.0-179.0	2.1	0.0	294.0	0.00	100.00
179.0-180.0	2.1	0.0	294.0	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: