

Report No.:

Test Time: 2021/2/19 17:05

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: 5.24 W

Luminaire Description: AR23

Lamp Description: RB90SWS2203.030

Luminous Length (mm): 500

Luminous Height (mm): 19

Current: 0.218 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 143.6 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H161,H110.7

Vertical Diffuse Angle(10%,50%): V156.9,V108.9

Luminaire Efficacy Rating (LER): 27

Max. Intensity: 51.98 cd

Total Rated Lamp Lumens: 143.6 lm

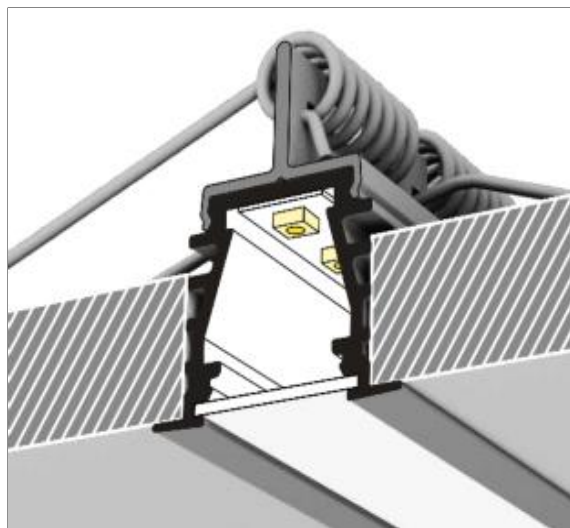
Efficiency: 100%

Upward Ratio: 1%

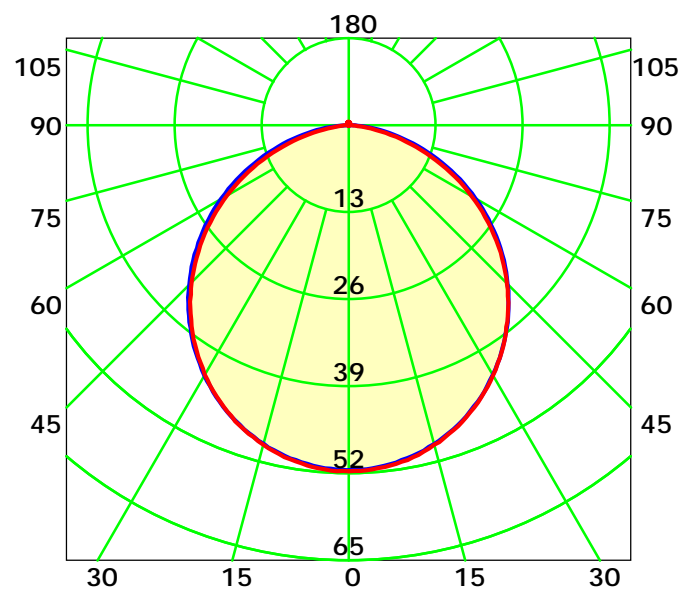
Central Intensity: 51.72 cd

Pos of Max. Intensity: H150 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 109.8° 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

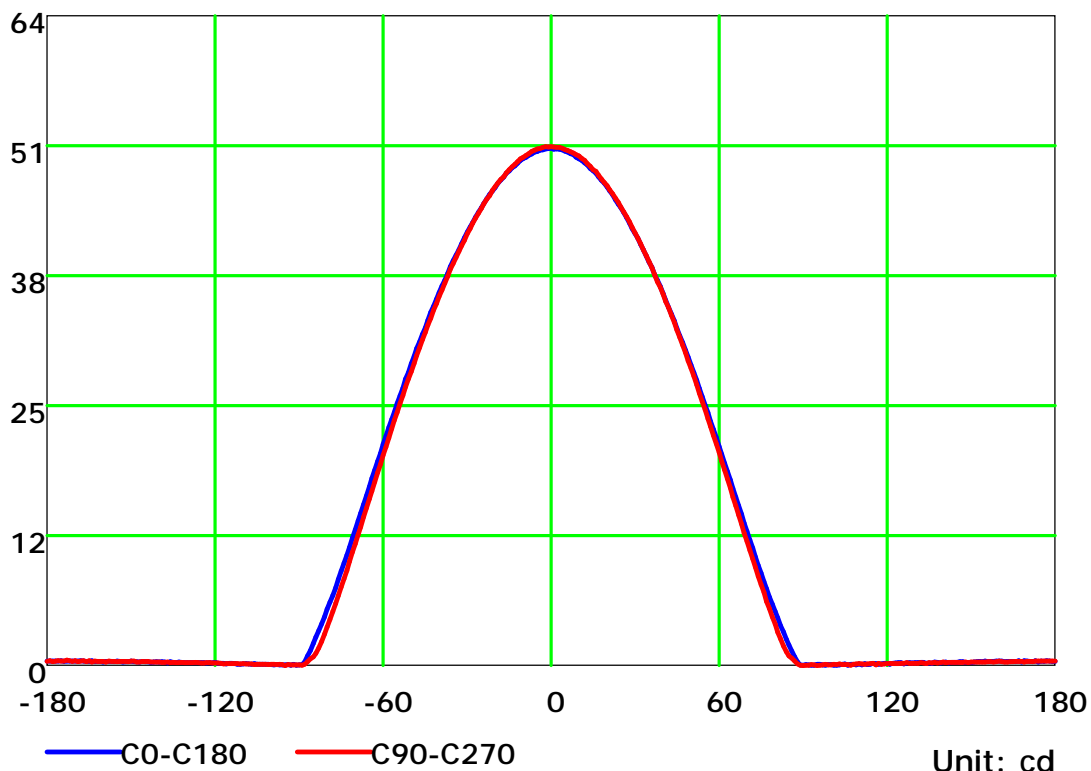
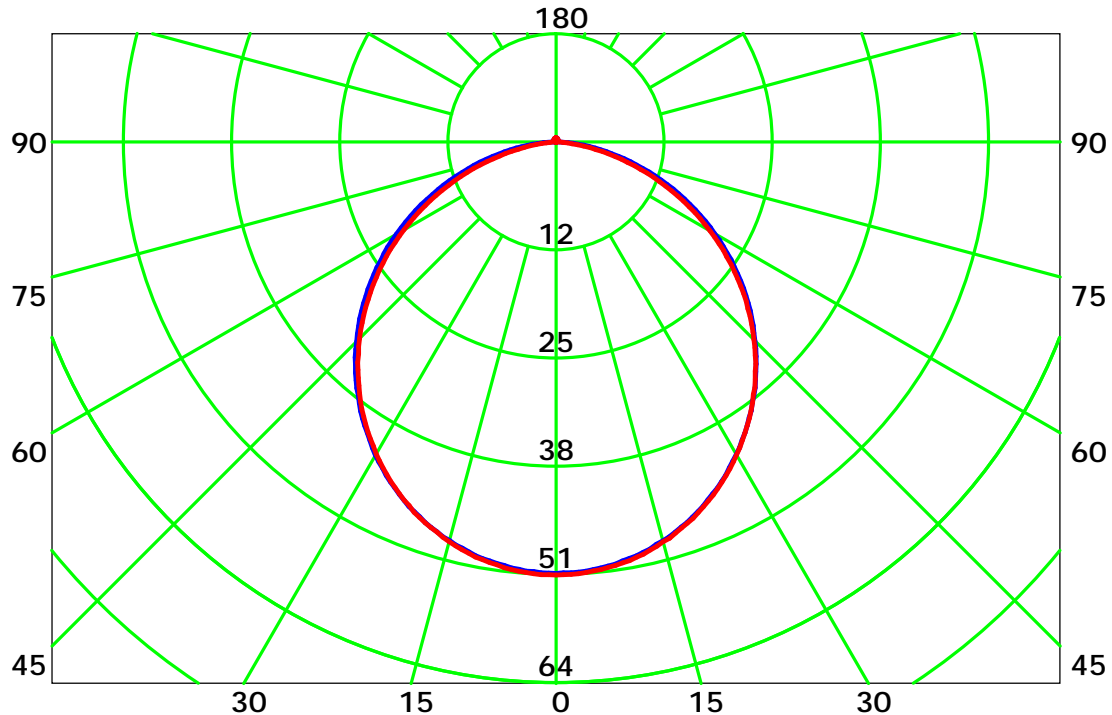
Distance: 9.028 m

Humidity: 60%

Inspector:



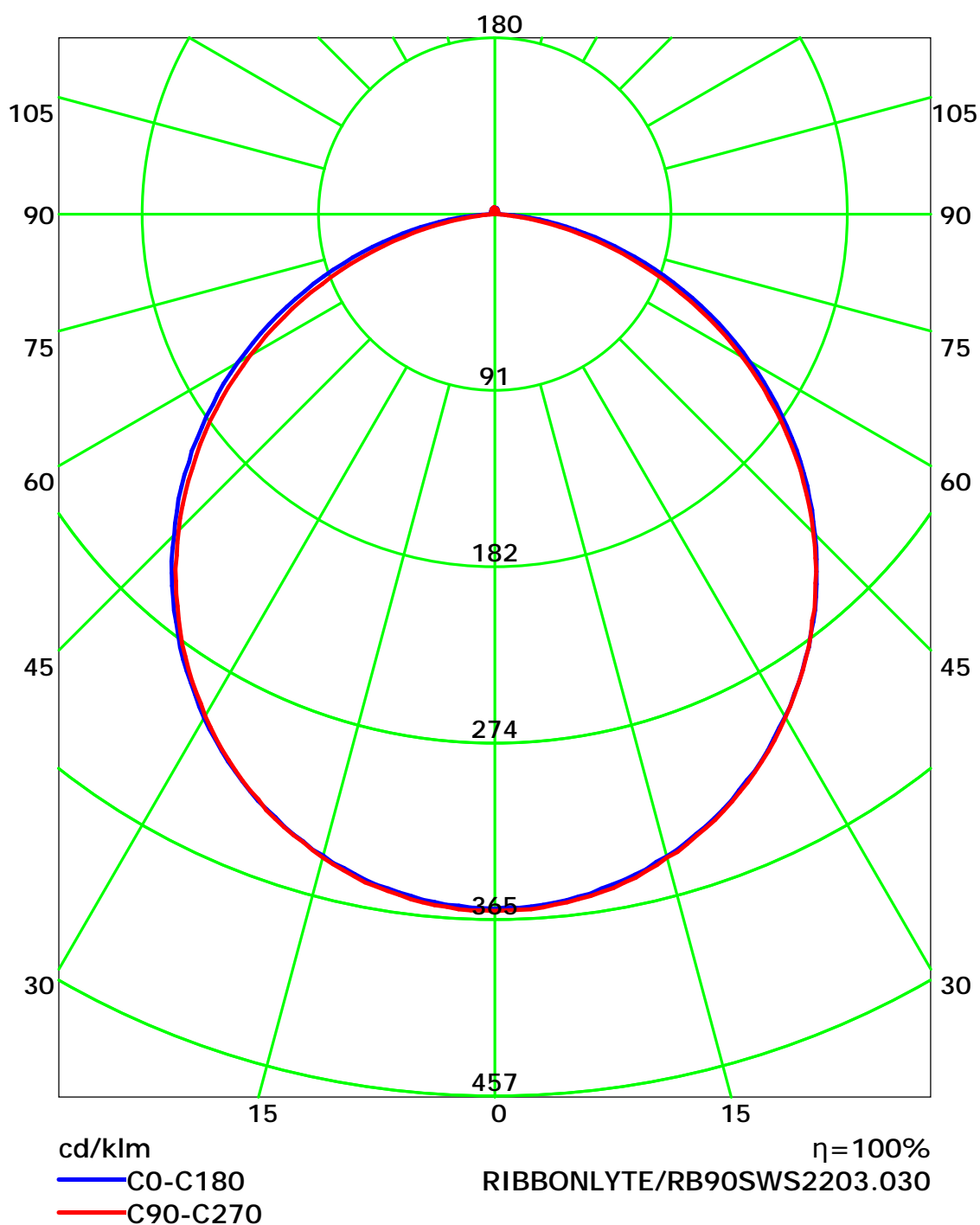
Luminous Intensity Distribution Curve



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:

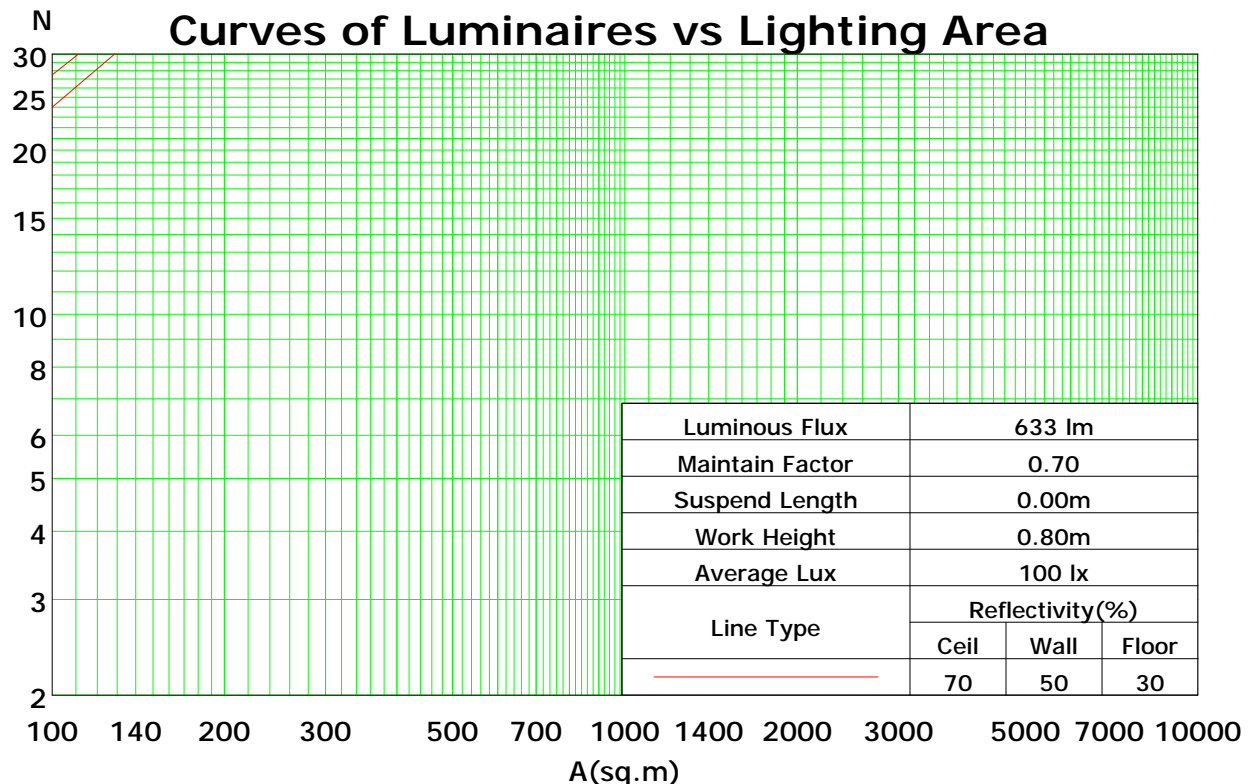
Coefficients Of Utilization - Zonal Cavity Method

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	102	98	95	97	94	91	93	91	88	90	88	86	84
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	70	65	61	59
4	83	71	62	56	80	70	61	55	67	60	54	64	58	53	62	57	53	50
5	76	63	54	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	52	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	31	26	25

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.24

Spacing Criteria (Diagonal): 1.36



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

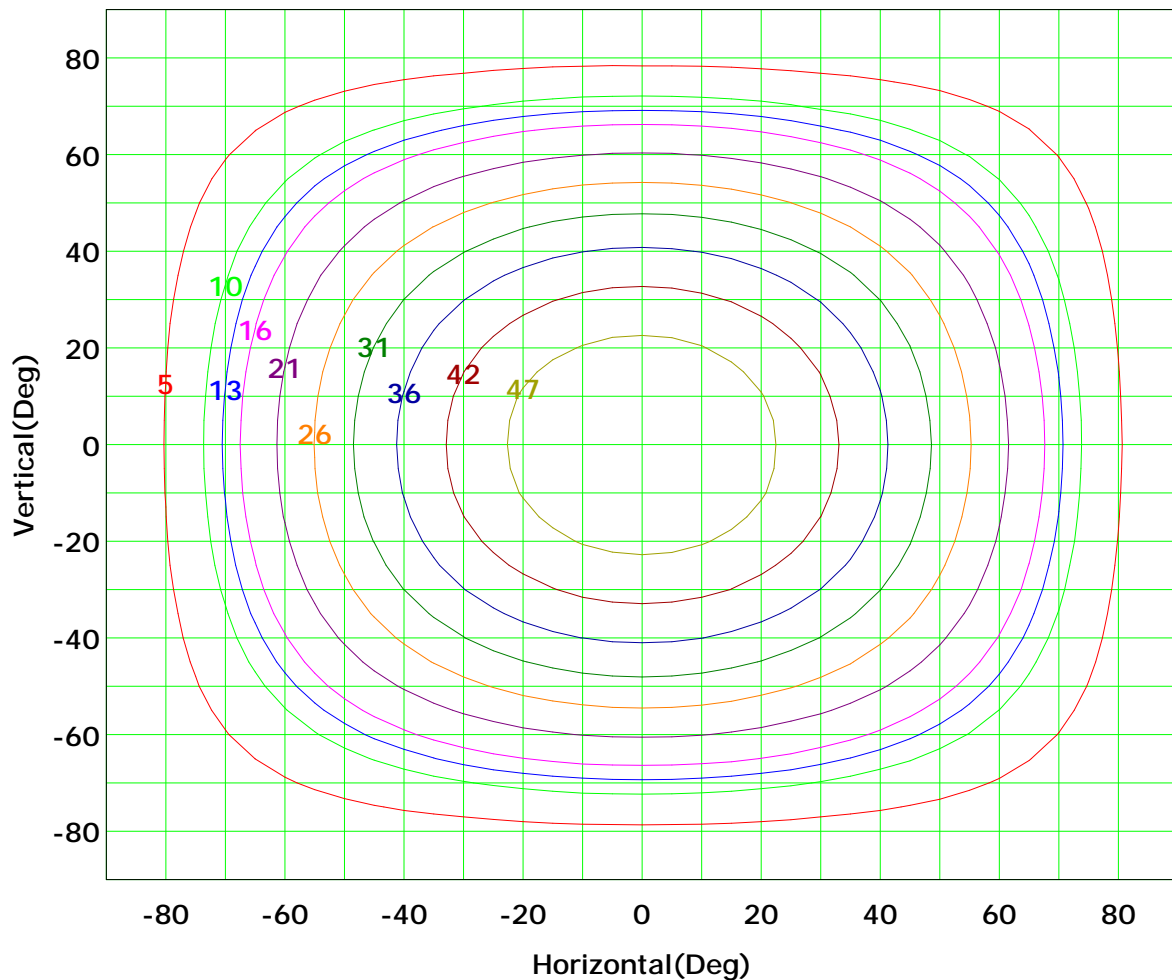
Distance: 9.028 m

Humidity: 60%

Inspector:



Isocandela (rectangle)



Imax (100%): 52 cd

(10%):	5 cd	(20%):	10 cd
(25%):	13 cd	(30%):	16 cd
(40%):	21 cd	(50%):	26 cd
(60%):	31 cd	(70%):	36 cd
(80%):	42 cd	(90%):	47 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

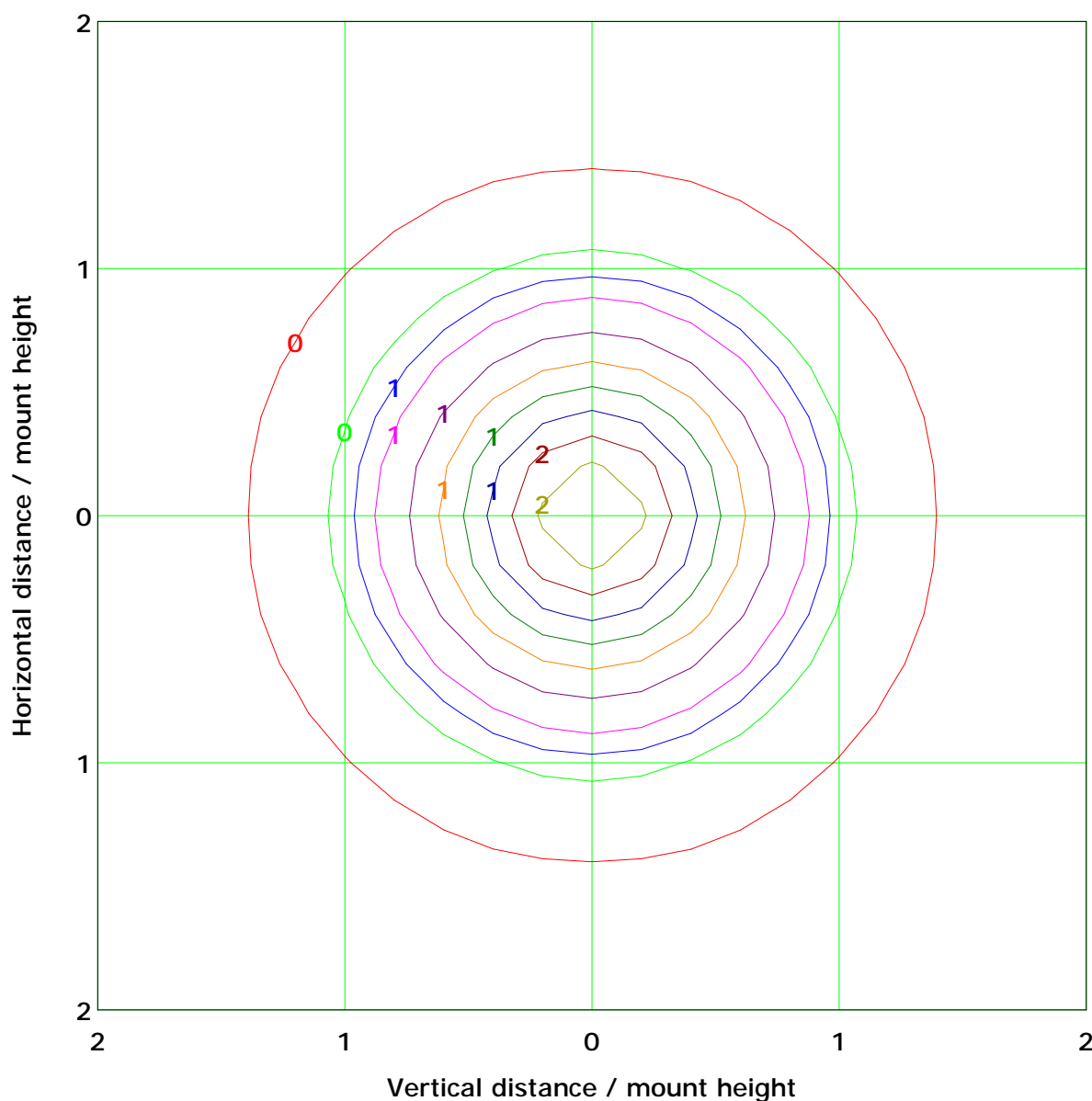
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 2.1 lx

(10%): 0.2 lx	(20%): 0.4 lx
(25%): 0.5 lx	(30%): 0.6 lx
(40%): 0.8 lx	(50%): 1.0 lx
(60%): 1.2 lx	(70%): 1.5 lx
(80%): 1.7 lx	(90%): 1.9 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

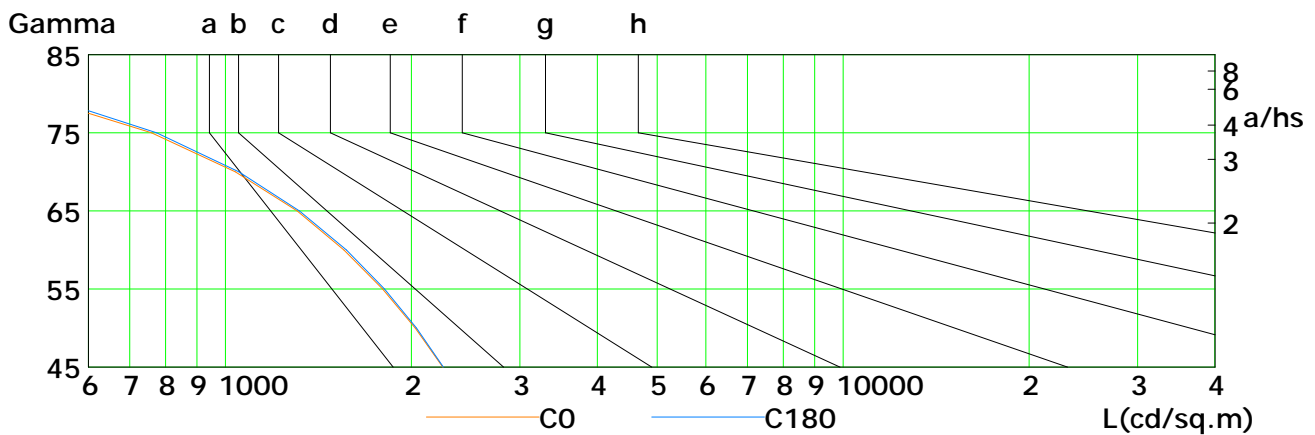
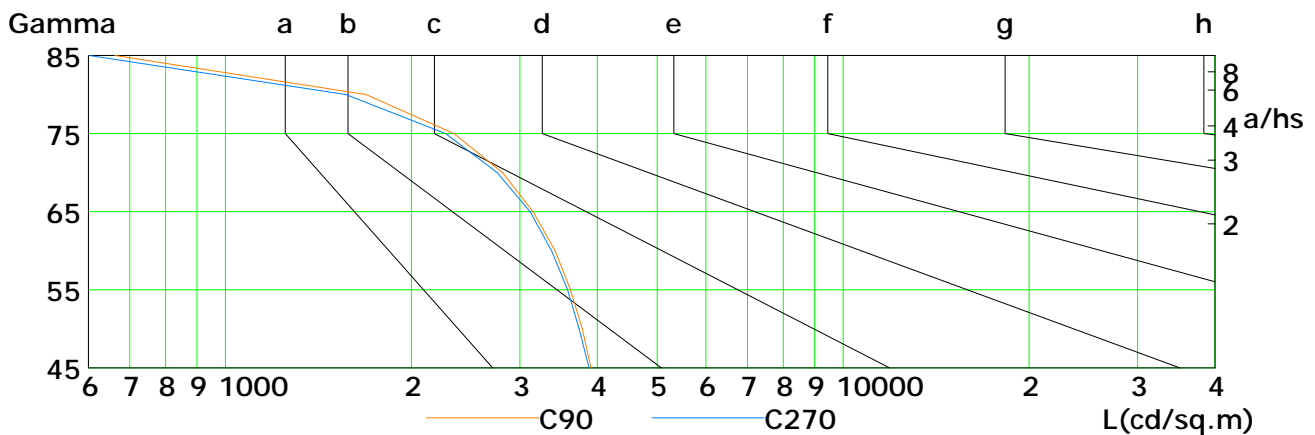
Humidity: 60%

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	2249	2031	1797	1556	1307	1038	760	475	197
C90	3907	3783	3621	3419	3149	2810	2346	1689	663
C180	2254	2039	1811	1571	1318	1052	774	495	211
C270	3880	3740	3582	3376	3115	2754	2273	1567	602

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

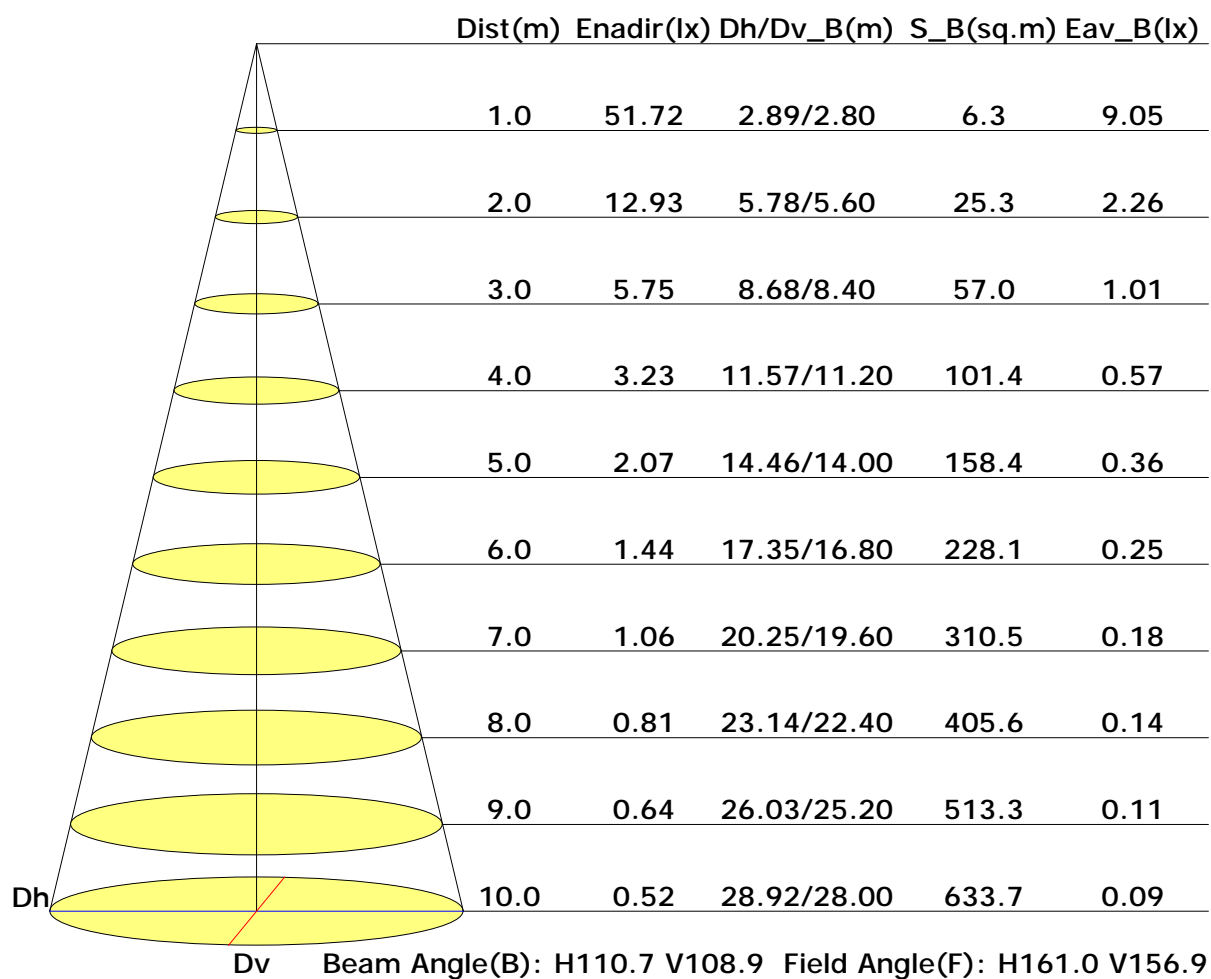
Test Device: GPM-1800B

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

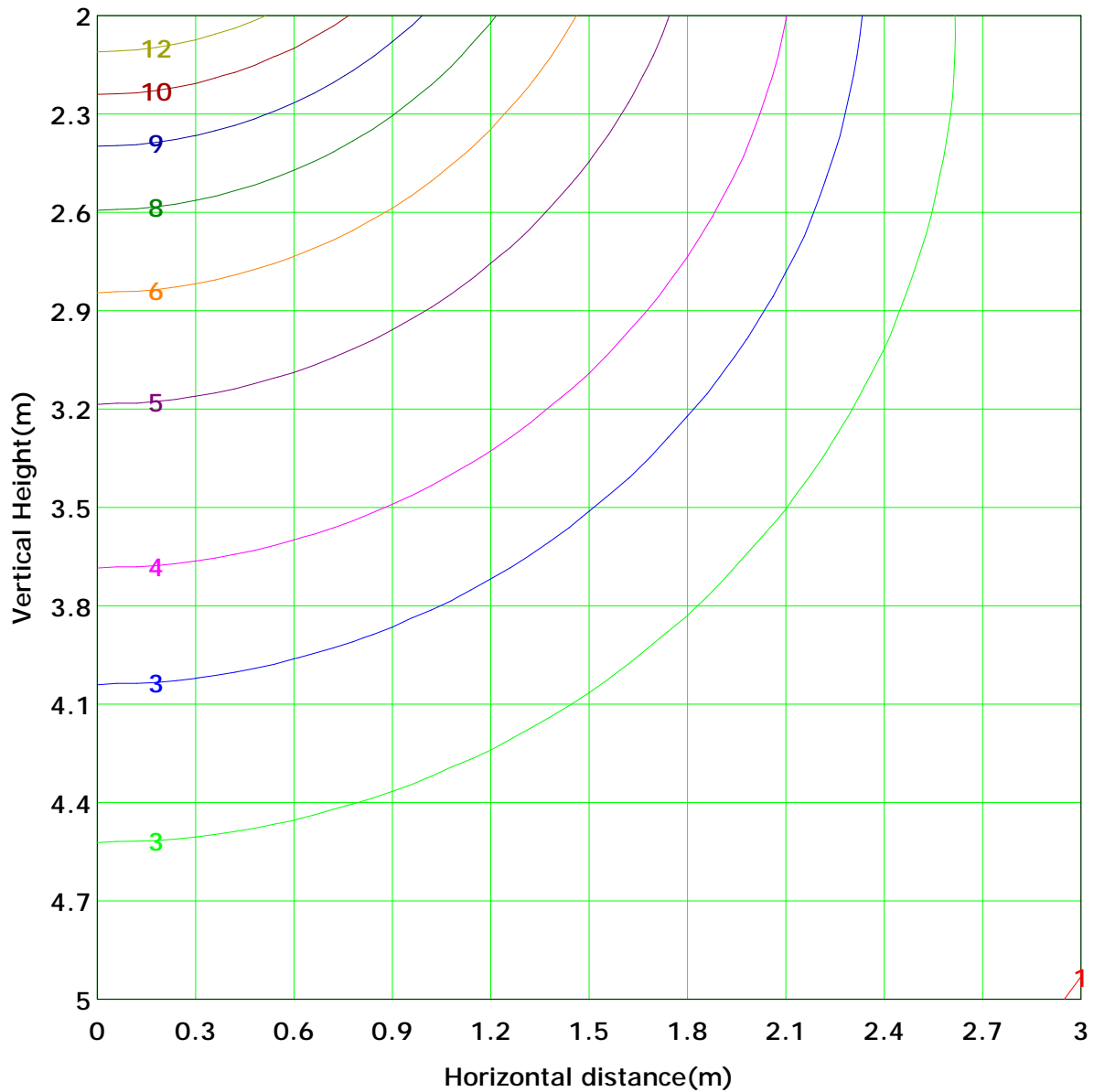
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 12.9 lx
(10%): 1.3 lx	(20%): 2.6 lx	
(25%): 3.2 lx	(30%): 3.9 lx	
(40%): 5.2 lx	(50%): 6.5 lx	
(60%): 7.8 lx	(70%): 9.1 lx	
(80%): 10.3 lx	(90%): 11.6 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																		Flux(T)		Flux(E)	
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80				
Horizontal plane	Flux(T)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140	
	Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140	
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140	
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140	
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140	
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140	
	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140	
	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140	
	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140	
	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140	
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140		
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	142	140		

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

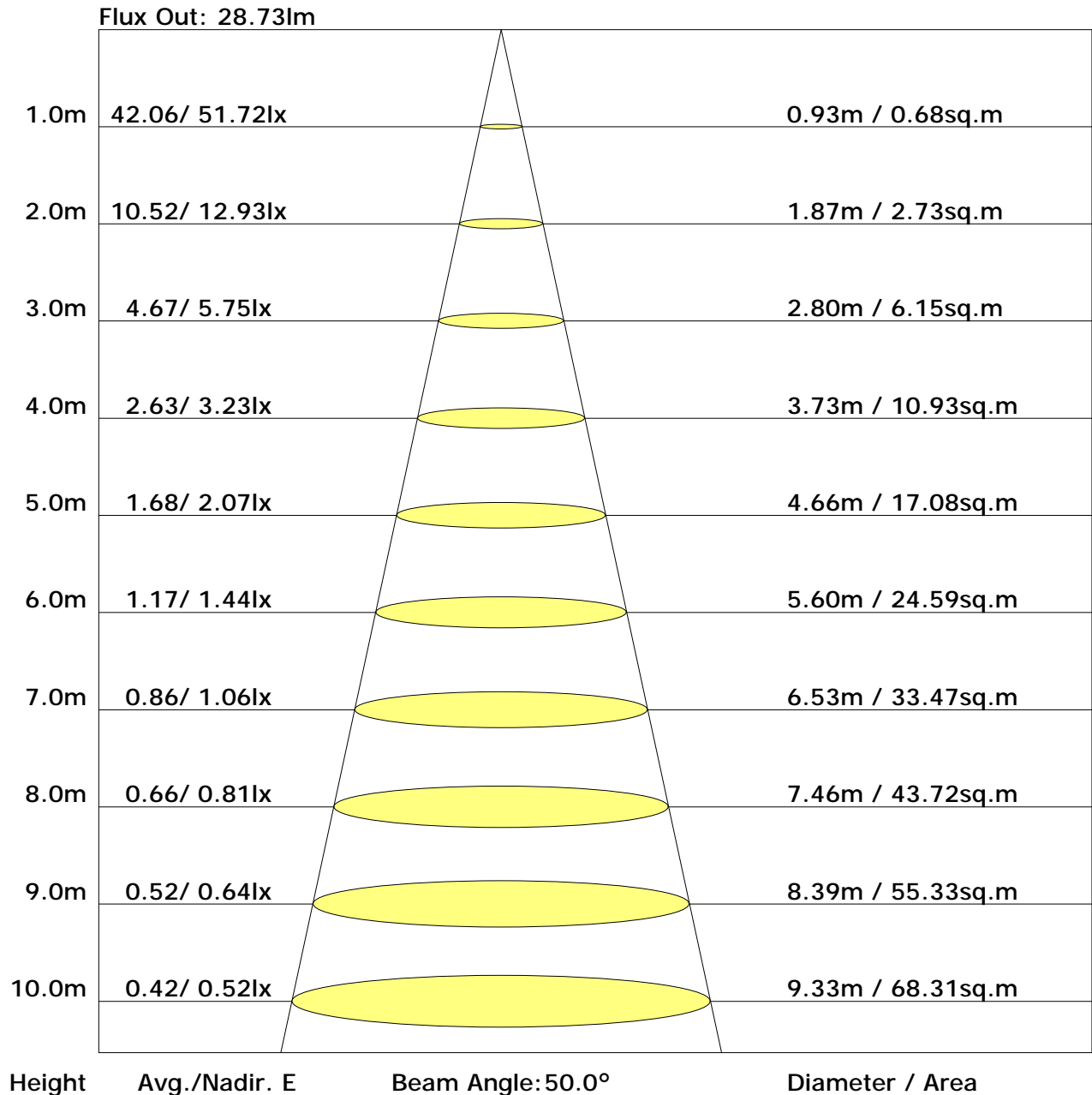
Distance: 9.028 m

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	22.3	23.9	22.6	24.2	24.5	20.7	22.2	21.0	22.6	22.9
3H	24.0	25.4	24.4	25.7	26.1	21.9	23.3	22.3	23.7	24.1
4H	24.6	25.9	25.0	26.3	26.7	22.2	23.6	22.7	24.0	24.4
6H	25.0	26.2	25.4	26.6	27.0	22.4	23.7	22.8	24.0	24.5
8H	25.1	26.3	25.5	26.7	27.1	22.4	23.6	22.8	24.0	24.4
12H	25.2	26.3	25.6	26.7	27.2	22.4	23.5	22.8	23.9	24.4
X=4H Y=2H	22.6	23.9	23.0	24.3	24.7	21.3	22.6	21.7	23.0	23.4
3H	24.4	25.6	24.9	26.0	26.4	22.7	23.8	23.1	24.2	24.6
4H	25.1	26.1	25.6	26.6	27.0	23.1	24.1	23.5	24.5	25.0
6H	25.6	26.5	26.1	27.0	27.4	23.3	24.2	23.8	24.7	25.1
8H	25.8	26.6	26.2	27.0	27.5	23.3	24.2	23.8	24.6	25.1
12H	25.8	26.6	26.3	27.1	27.6	23.3	24.1	23.8	24.6	25.0
X=8H Y=4H	25.2	26.0	25.7	26.5	27.0	23.3	24.2	23.8	24.6	25.1
6H	25.7	26.4	26.2	26.9	27.4	23.6	24.3	24.1	24.8	25.3
8H	25.9	26.5	26.4	27.0	27.5	23.6	24.2	24.1	24.7	25.3
12H	26.0	26.5	26.5	27.1	27.6	23.6	24.1	24.1	24.7	25.2
X=12H Y=4H	25.2	25.9	25.7	26.4	26.9	23.3	24.1	23.8	24.6	25.1
6H	25.7	26.3	26.3	26.8	27.4	23.6	24.2	24.1	24.7	25.3
8H	25.9	26.4	26.4	27.0	27.5	23.6	24.2	24.2	24.7	25.3

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	0.57	0.68	0.75	0.80	0.88	0.93	0.96	1.01	1.03
	0.30		0.49	0.60	0.68	0.73	0.82	0.87	0.91	0.97	1.00
	0.20		0.44	0.54	0.62	0.68	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.55	0.65	0.72	0.77	0.84	0.89	0.92	0.96	0.99
	0.30		0.48	0.59	0.66	0.72	0.79	0.84	0.88	0.93	0.96
	0.20		0.43	0.54	0.61	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.54	0.63	0.70	0.75	0.81	0.86	0.89	0.93	0.95
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.43	0.53	0.60	0.66	0.73	0.79	0.82	0.88	0.91
0.00	0.00	0.00	0.41	0.50	0.57	0.62	0.70	0.75	0.78	0.83	0.86
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 = 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	0.47	0.39	0.33	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.50	0.50	0.20	0.95	0.78	0.66	0.57	0.45	0.41	0.32	0.24	0.20	
	0.30		0.80	0.67	0.58	0.51	0.41	0.35	0.30	0.23	0.19	
	0.20		0.70	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.30	0.50	0.20	0.92	0.74	0.63	0.55	0.43	0.35	0.30	0.23	0.19	
	0.30		0.78	0.66	0.56	0.49	0.40	0.33	0.28	0.22	0.18	
	0.20		0.69	0.59	0.51	0.45	0.37	0.31	0.27	0.21	0.17	
0.00	0.00	0.00	0.58	0.49	0.42	0.37	0.29	0.24	0.21	0.16	0.13	
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 = 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	0.21	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	0.18	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: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	51.8	0.0	0.0	0.03	0.03
1.0-2.0	51.8	0.1	0.2	0.10	0.14
2.0-3.0	51.8	0.2	0.4	0.17	0.31
3.0-4.0	51.7	0.3	0.8	0.24	0.55
4.0-5.0	51.6	0.4	1.2	0.31	0.86
5.0-6.0	51.5	0.5	1.8	0.38	1.24
6.0-7.0	51.4	0.6	2.4	0.44	1.68
7.0-8.0	51.3	0.7	3.2	0.51	2.19
8.0-9.0	51.1	0.8	4.0	0.58	2.77
9.0-10.0	50.9	0.9	4.9	0.64	3.41
10.0-11.0	50.8	1.0	5.9	0.71	4.12
11.0-12.0	50.5	1.1	7.0	0.77	4.89
12.0-13.0	50.3	1.2	8.2	0.83	5.72
13.0-14.0	50.0	1.3	9.5	0.89	6.61
14.0-15.0	49.8	1.4	10.9	0.95	7.56
15.0-16.0	49.5	1.4	12.3	1.01	8.57
16.0-17.0	49.2	1.5	13.8	1.07	9.64
17.0-18.0	48.8	1.6	15.5	1.12	10.76
18.0-19.0	48.5	1.7	17.1	1.17	11.93
19.0-20.0	48.1	1.8	18.9	1.23	13.16
20.0-21.0	47.7	1.8	20.7	1.28	14.44
21.0-22.0	47.3	1.9	22.6	1.33	15.76
22.0-23.0	46.9	2.0	24.6	1.37	17.14
23.0-24.0	46.5	2.0	26.6	1.42	18.55
24.0-25.0	46.0	2.1	28.7	1.46	20.01
25.0-26.0	45.6	2.2	30.9	1.50	21.51
26.0-27.0	45.1	2.2	33.1	1.54	23.04
27.0-28.0	44.6	2.3	35.3	1.57	24.62
28.0-29.0	44.1	2.3	37.7	1.61	26.22
29.0-30.0	43.6	2.4	40.0	1.64	27.86
30.0-31.0	43.0	2.4	42.4	1.67	29.53
31.0-32.0	42.5	2.4	44.8	1.69	31.22
32.0-33.0	41.9	2.5	47.3	1.72	32.94
33.0-34.0	41.3	2.5	49.8	1.74	34.68
34.0-35.0	40.7	2.5	52.3	1.76	36.44
35.0-36.0	40.1	2.6	54.9	1.78	38.22

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	39.5	2.6	57.5	1.79	40.01
37.0-38.0	38.8	2.6	60.1	1.80	41.82
38.0-39.0	38.2	2.6	62.7	1.81	43.63
39.0-40.0	37.5	2.6	65.3	1.82	45.46
40.0-41.0	36.8	2.6	67.9	1.83	47.28
41.0-42.0	36.1	2.6	70.5	1.83	49.11
42.0-43.0	35.5	2.6	73.1	1.83	50.94
43.0-44.0	34.7	2.6	75.8	1.83	52.77
44.0-45.0	34.0	2.6	78.4	1.82	54.59
45.0-46.0	33.3	2.6	81.0	1.81	56.40
46.0-47.0	32.5	2.6	83.6	1.80	58.20
47.0-48.0	31.8	2.6	86.1	1.79	59.99
48.0-49.0	31.0	2.5	88.7	1.77	61.77
49.0-50.0	30.2	2.5	91.2	1.76	63.52
50.0-51.0	29.4	2.5	93.7	1.73	65.26
51.0-52.0	28.7	2.5	96.2	1.71	66.97
52.0-53.0	27.8	2.4	98.6	1.69	68.66
53.0-54.0	27.0	2.4	101.0	1.66	70.31
54.0-55.0	26.2	2.3	103.3	1.63	71.94
55.0-56.0	25.4	2.3	105.6	1.60	73.54
56.0-57.0	24.5	2.2	107.8	1.56	75.10
57.0-58.0	23.7	2.2	110.0	1.53	76.63
58.0-59.0	22.8	2.1	112.2	1.49	78.12
59.0-60.0	22.0	2.1	114.2	1.45	79.56
60.0-61.0	21.1	2.0	116.3	1.40	80.97
61.0-62.0	20.3	2.0	118.2	1.36	82.33
62.0-63.0	19.4	1.9	120.1	1.31	83.64
63.0-64.0	18.5	1.8	121.9	1.26	84.90
64.0-65.0	17.6	1.7	123.7	1.21	86.12
65.0-66.0	16.8	1.7	125.3	1.16	87.28
66.0-67.0	15.9	1.6	126.9	1.11	88.39
67.0-68.0	15.0	1.5	128.4	1.06	89.45
68.0-69.0	14.1	1.4	129.9	1.00	90.45
69.0-70.0	13.2	1.4	131.2	0.95	91.40
70.0-71.0	12.4	1.3	132.5	0.89	92.29
71.0-72.0	11.5	1.2	133.7	0.83	93.12

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	10.6	1.1	134.8	0.77	93.90
73.0-74.0	9.8	1.0	135.9	0.72	94.61
74.0-75.0	9.0	0.9	136.8	0.66	95.27
75.0-76.0	8.1	0.9	137.7	0.60	95.87
76.0-77.0	7.3	0.8	138.4	0.54	96.42
77.0-78.0	6.5	0.7	139.1	0.49	96.90
78.0-79.0	5.7	0.6	139.8	0.43	97.33
79.0-80.0	5.0	0.5	140.3	0.37	97.71
80.0-81.0	4.2	0.5	140.8	0.32	98.02
81.0-82.0	3.5	0.4	141.1	0.26	98.29
82.0-83.0	2.8	0.3	141.4	0.21	98.50
83.0-84.0	2.2	0.2	141.7	0.16	98.67
84.0-85.0	1.6	0.2	141.8	0.12	98.78
85.0-86.0	1.1	0.1	142.0	0.08	98.86
86.0-87.0	0.7	0.1	142.0	0.05	98.92
87.0-88.0	0.4	0.0	142.1	0.03	98.94
88.0-89.0	0.1	0.0	142.1	0.01	98.96
89.0-90.0	0.1	0.0	142.1	0.01	98.96
90.0-91.0	0.1	0.0	142.1	0.00	98.97
91.0-92.0	0.1	0.0	142.1	0.01	98.97
92.0-93.0	0.1	0.0	142.1	0.01	98.98
93.0-94.0	0.1	0.0	142.1	0.01	98.98
94.0-95.0	0.1	0.0	142.1	0.01	98.99
95.0-96.0	0.1	0.0	142.2	0.01	98.99
96.0-97.0	0.1	0.0	142.2	0.01	99.00
97.0-98.0	0.1	0.0	142.2	0.01	99.01
98.0-99.0	0.1	0.0	142.2	0.01	99.02
99.0-100.0	0.1	0.0	142.2	0.01	99.03
100.0-101.0	0.1	0.0	142.2	0.01	99.03
101.0-102.0	0.1	0.0	142.2	0.01	99.04
102.0-103.0	0.1	0.0	142.2	0.01	99.05
103.0-104.0	0.1	0.0	142.3	0.01	99.06
104.0-105.0	0.1	0.0	142.3	0.01	99.07
105.0-106.0	0.1	0.0	142.3	0.01	99.08
106.0-107.0	0.1	0.0	142.3	0.01	99.09
107.0-108.0	0.1	0.0	142.3	0.01	99.10

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 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.2	0.0	142.3	0.01	99.12
109.0-110.0	0.2	0.0	142.3	0.01	99.13
110.0-111.0	0.2	0.0	142.4	0.01	99.14
111.0-112.0	0.2	0.0	142.4	0.01	99.15
112.0-113.0	0.2	0.0	142.4	0.01	99.17
113.0-114.0	0.2	0.0	142.4	0.01	99.18
114.0-115.0	0.2	0.0	142.4	0.01	99.19
115.0-116.0	0.2	0.0	142.5	0.01	99.21
116.0-117.0	0.2	0.0	142.5	0.01	99.22
117.0-118.0	0.2	0.0	142.5	0.01	99.23
118.0-119.0	0.2	0.0	142.5	0.01	99.25
119.0-120.0	0.2	0.0	142.5	0.02	99.26
120.0-121.0	0.2	0.0	142.6	0.02	99.28
121.0-122.0	0.2	0.0	142.6	0.02	99.30
122.0-123.0	0.3	0.0	142.6	0.02	99.31
123.0-124.0	0.3	0.0	142.6	0.02	99.33
124.0-125.0	0.3	0.0	142.7	0.02	99.35
125.0-126.0	0.3	0.0	142.7	0.02	99.36
126.0-127.0	0.3	0.0	142.7	0.02	99.38
127.0-128.0	0.3	0.0	142.7	0.02	99.39
128.0-129.0	0.3	0.0	142.7	0.02	99.41
129.0-130.0	0.3	0.0	142.8	0.02	99.43
130.0-131.0	0.3	0.0	142.8	0.02	99.44
131.0-132.0	0.3	0.0	142.8	0.02	99.46
132.0-133.0	0.3	0.0	142.8	0.02	99.48
133.0-134.0	0.3	0.0	142.9	0.02	99.49
134.0-135.0	0.3	0.0	142.9	0.02	99.51
135.0-136.0	0.3	0.0	142.9	0.02	99.53
136.0-137.0	0.3	0.0	142.9	0.02	99.54
137.0-138.0	0.3	0.0	143.0	0.02	99.56
138.0-139.0	0.3	0.0	143.0	0.02	99.58
139.0-140.0	0.3	0.0	143.0	0.02	99.60
140.0-141.0	0.3	0.0	143.0	0.02	99.61
141.0-142.0	0.3	0.0	143.1	0.02	99.63
142.0-143.0	0.3	0.0	143.1	0.02	99.64
143.0-144.0	0.4	0.0	143.1	0.02	99.66

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	0.4	0.0	143.1	0.02	99.68
145.0-146.0	0.4	0.0	143.2	0.02	99.69
146.0-147.0	0.4	0.0	143.2	0.02	99.71
147.0-148.0	0.4	0.0	143.2	0.02	99.72
148.0-149.0	0.4	0.0	143.2	0.01	99.74
149.0-150.0	0.4	0.0	143.2	0.01	99.75
150.0-151.0	0.4	0.0	143.3	0.01	99.77
151.0-152.0	0.4	0.0	143.3	0.01	99.78
152.0-153.0	0.4	0.0	143.3	0.01	99.80
153.0-154.0	0.4	0.0	143.3	0.01	99.81
154.0-155.0	0.4	0.0	143.3	0.01	99.82
155.0-156.0	0.4	0.0	143.4	0.01	99.84
156.0-157.0	0.4	0.0	143.4	0.01	99.85
157.0-158.0	0.4	0.0	143.4	0.01	99.86
158.0-159.0	0.4	0.0	143.4	0.01	99.87
159.0-160.0	0.4	0.0	143.4	0.01	99.88
160.0-161.0	0.4	0.0	143.4	0.01	99.90
161.0-162.0	0.4	0.0	143.5	0.01	99.91
162.0-163.0	0.4	0.0	143.5	0.01	99.92
163.0-164.0	0.4	0.0	143.5	0.01	99.92
164.0-165.0	0.4	0.0	143.5	0.01	99.93
165.0-166.0	0.4	0.0	143.5	0.01	99.94
166.0-167.0	0.4	0.0	143.5	0.01	99.95
167.0-168.0	0.5	0.0	143.5	0.01	99.96
168.0-169.0	0.4	0.0	143.5	0.01	99.96
169.0-170.0	0.4	0.0	143.6	0.01	99.97
170.0-171.0	0.5	0.0	143.6	0.01	99.98
171.0-172.0	0.4	0.0	143.6	0.01	99.98
172.0-173.0	0.5	0.0	143.6	0.00	99.99
173.0-174.0	0.5	0.0	143.6	0.00	99.99
174.0-175.0	0.4	0.0	143.6	0.00	99.99
175.0-176.0	0.5	0.0	143.6	0.00	100.00
176.0-177.0	0.5	0.0	143.6	0.00	100.00
177.0-178.0	0.5	0.0	143.6	0.00	100.00
178.0-179.0	0.5	0.0	143.6	0.00	100.00
179.0-180.0	0.5	0.0	143.6	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: