

Report No.:

Test Time: 2020/12/29 15:11

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Lamp Catalog: RIBBONLYTE

Number of Lamps: 1 ROW

Luminous Width (mm): 28

Voltage: 24.0 V

Power: 5.15 W

Luminaire Description: AR16

Lamp Description: RB90SWS2203.030

Luminous Length (mm): 500

Luminous Height (mm): 18.6

Current: 0.215 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 159.9 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H161.4,H110.8

Vertical Diffuse Angle(10%,50%): V157.6,V110

Luminaire Efficacy Rating (LER): 31

Max. Intensity: 57.26 cd

Total Rated Lamp Lumens: 159.9 lm

Efficiency: 100%

Upward Ratio: 1%

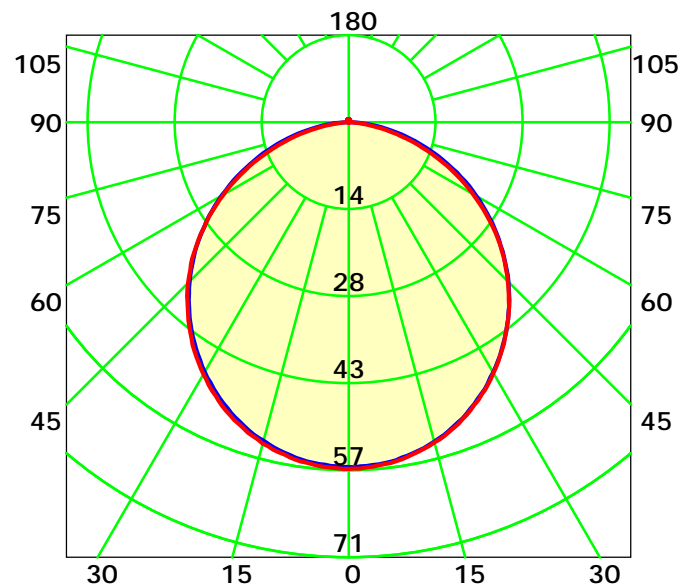
Central Intensity: 56.96 cd

Pos of Max. Intensity: H270 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 110.4° 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

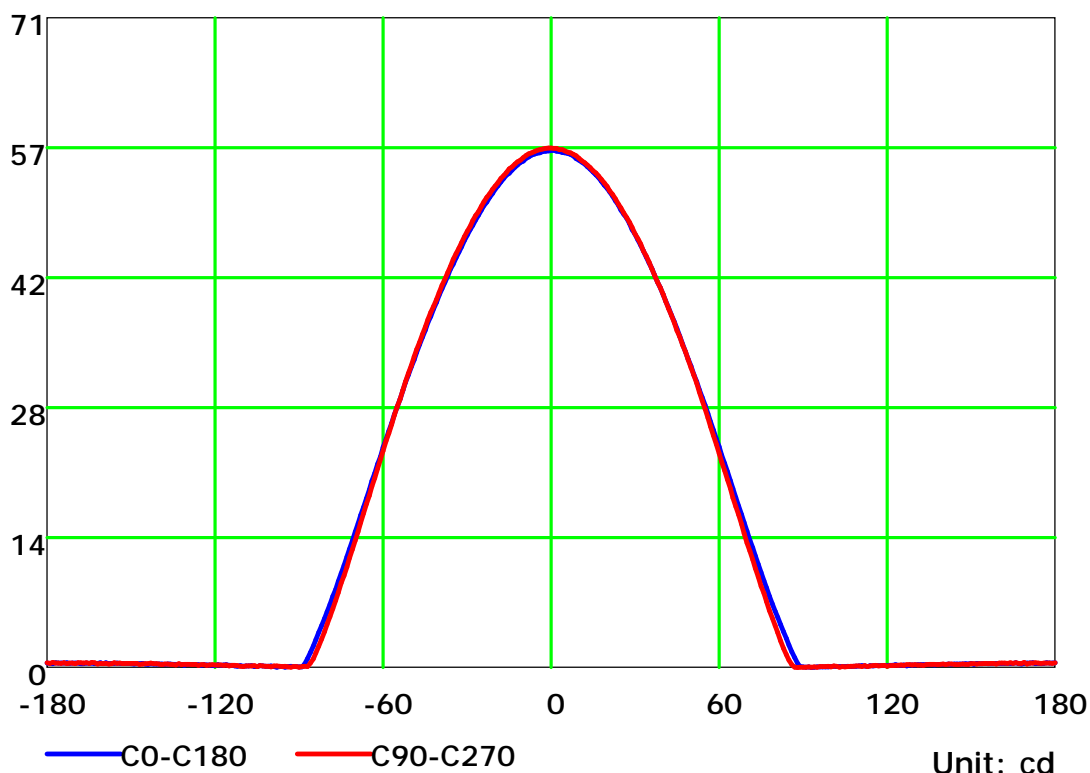
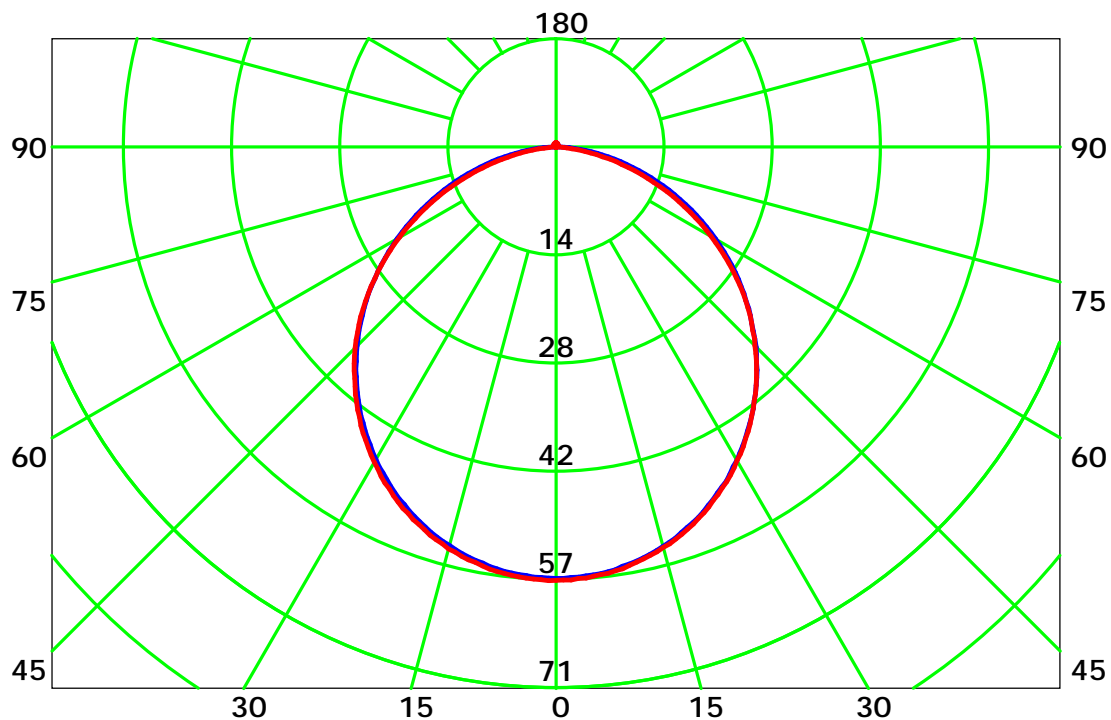
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Luminous Intensity Distribution Curve

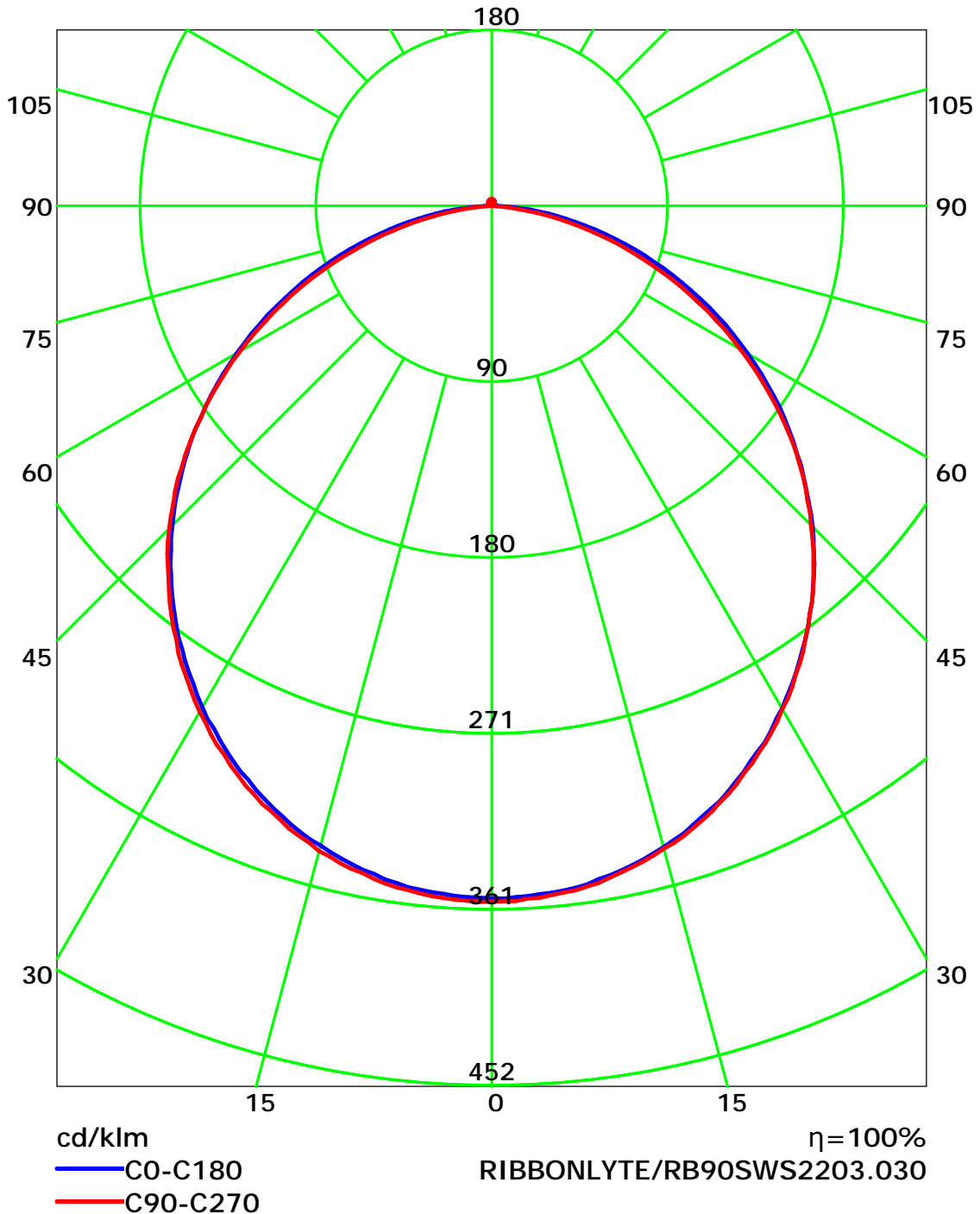


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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:

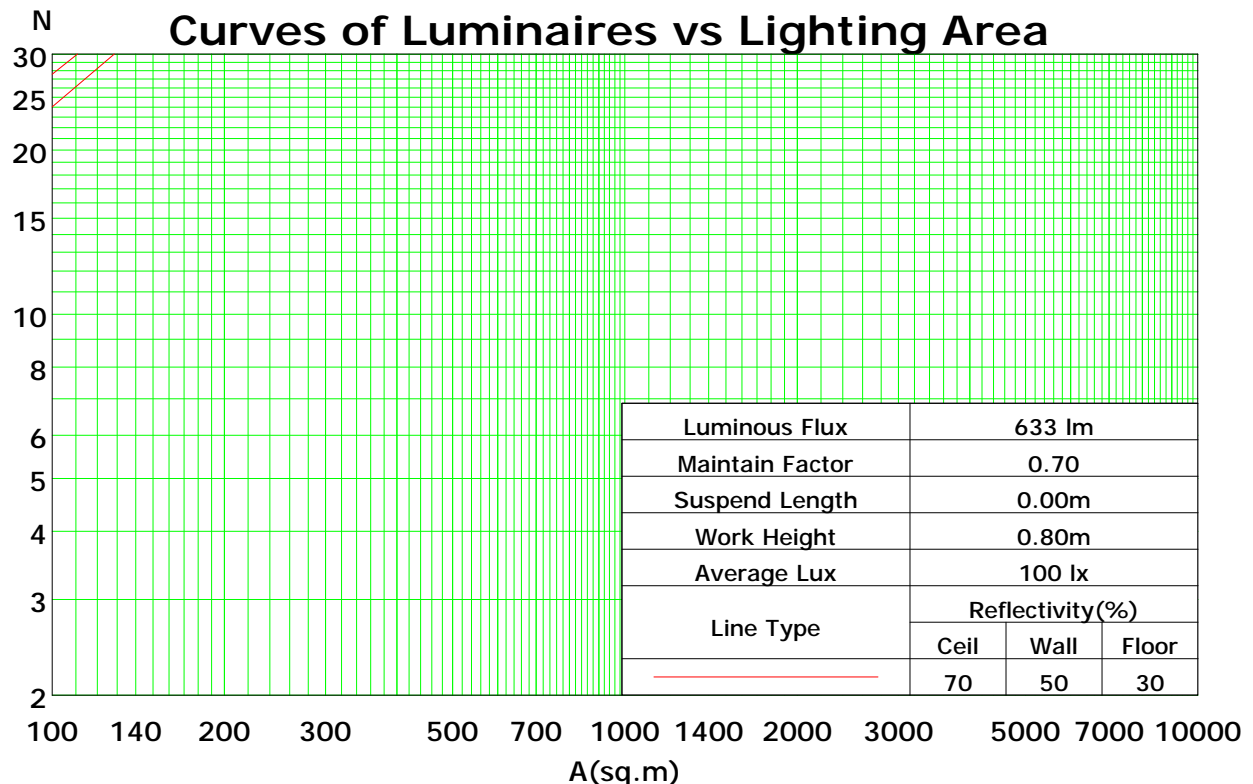
Coefficients Of Utilization - Zonal Cavity Method

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	102	98	94	97	94	91	93	91	88	89	87	86	83
2	99	91	84	78	96	89	83	77	85	80	75	82	77	74	79	75	72	70
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	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	42	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	42	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.25

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

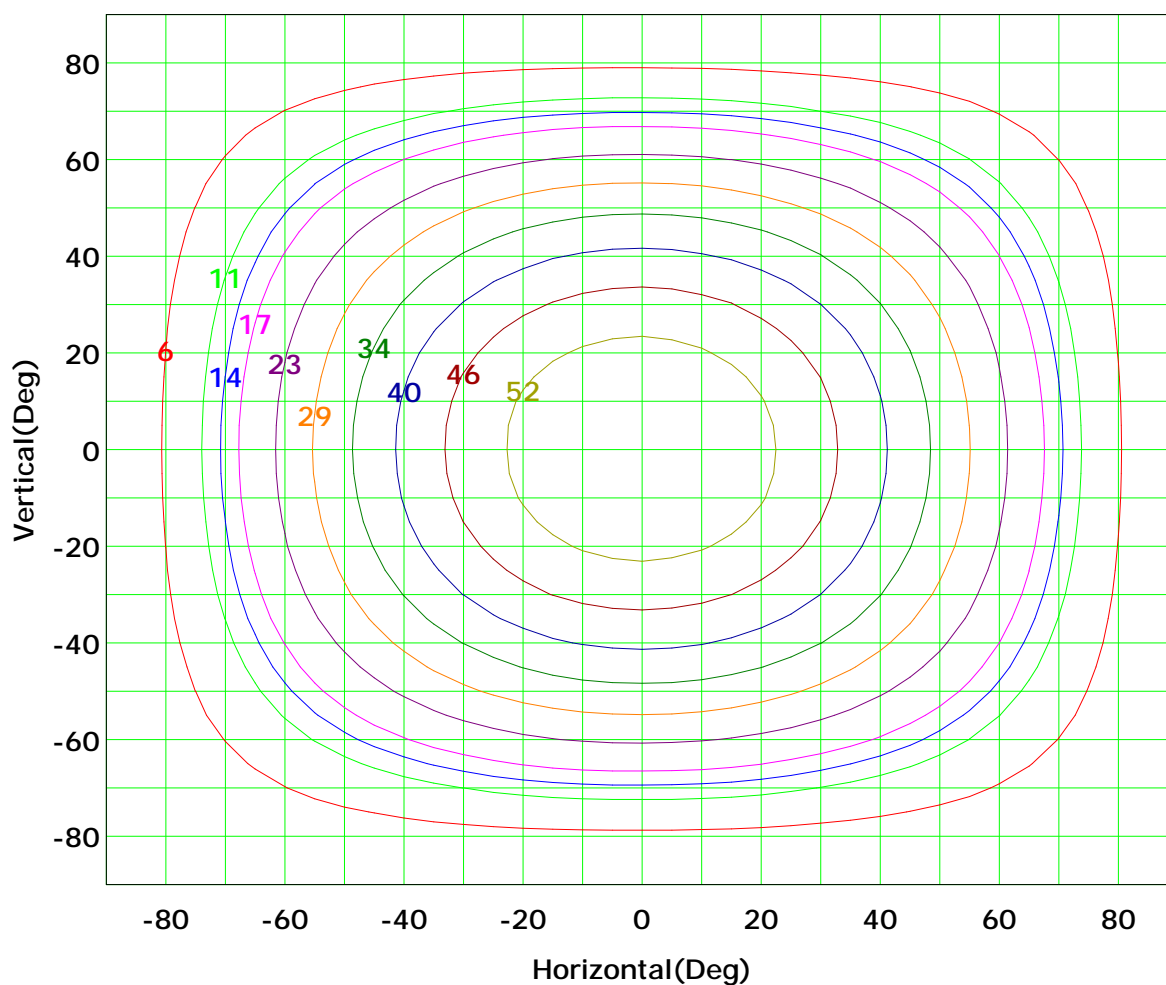
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



Imax (100%): 57 cd

(10%):	6 cd	(20%):	11 cd
(25%):	14 cd	(30%):	17 cd
(40%):	23 cd	(50%):	29 cd
(60%):	34 cd	(70%):	40 cd
(80%):	46 cd	(90%):	52 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

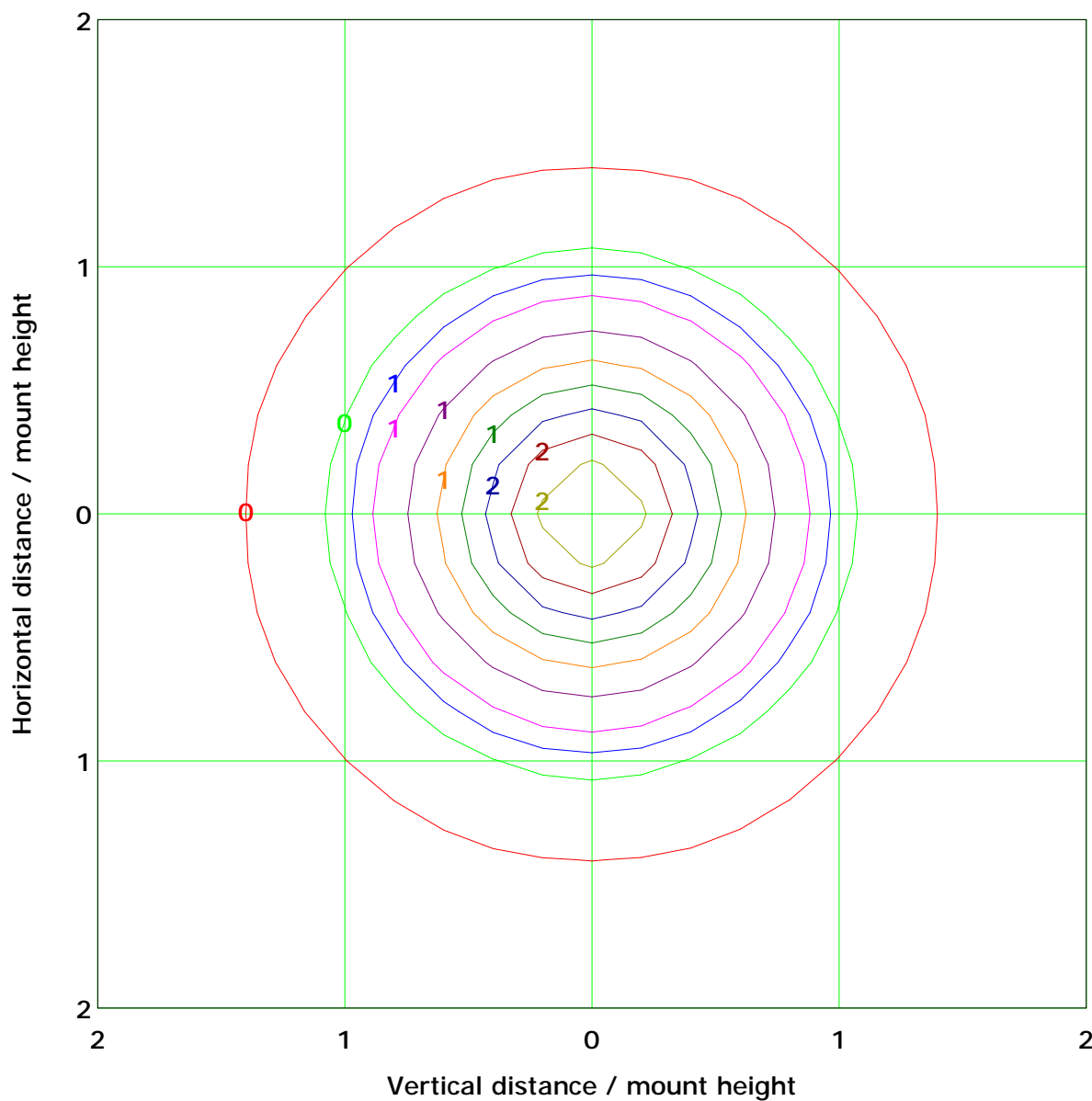
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 2.3 lx

(10%): 0.2 lx
(25%): 0.6 lx
(40%): 0.9 lx
(60%): 1.4 lx
(80%): 1.8 lx

(20%): 0.5 lx
(30%): 0.7 lx
(50%): 1.1 lx
(70%): 1.6 lx
(90%): 2.1 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

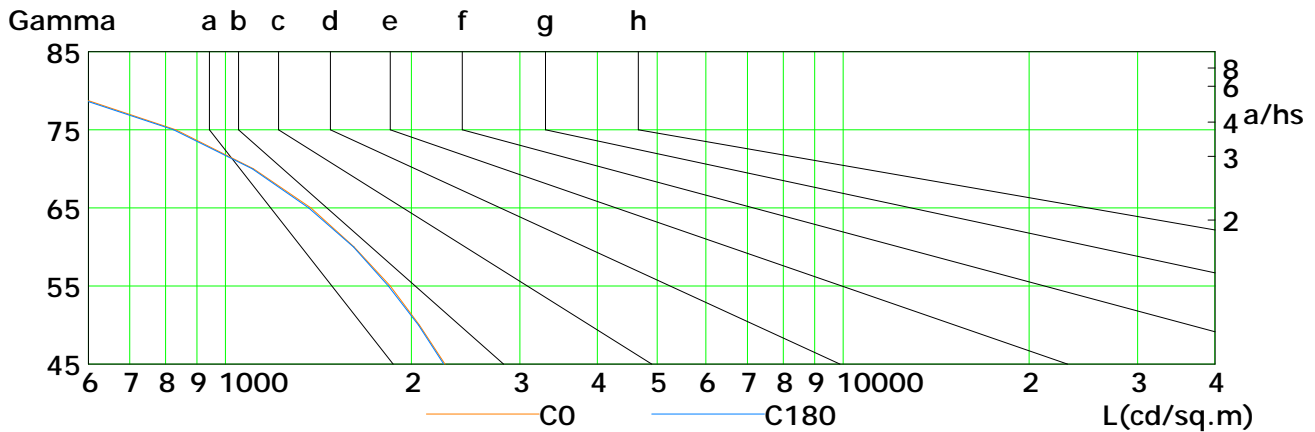
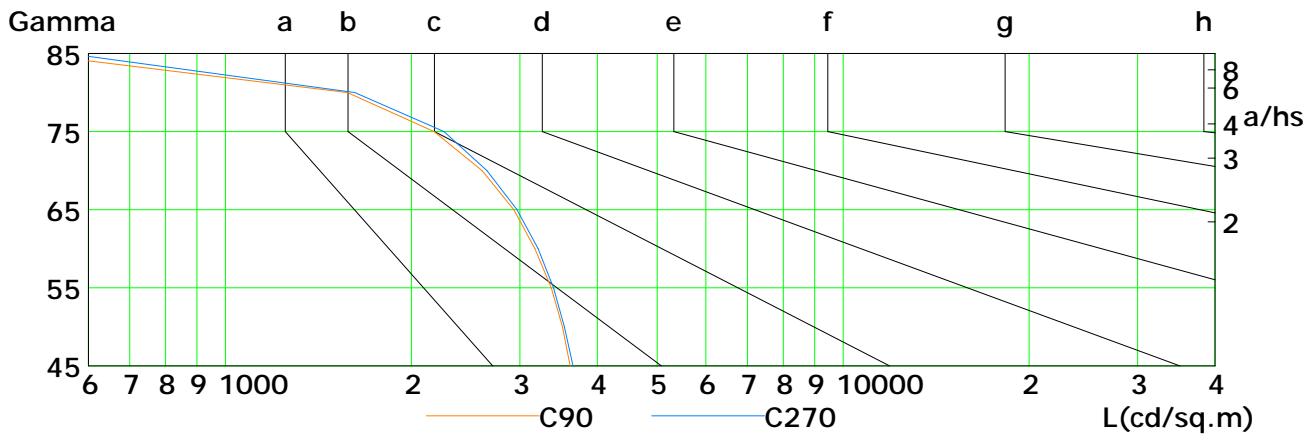
Humidity: 60%

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	2267	2060	1849	1616	1376	1112	831	537	236
C90	3618	3516	3370	3170	2930	2603	2179	1576	483
C180	2256	2054	1836	1612	1364	1106	824	532	228
C270	3656	3539	3400	3208	2965	2653	2261	1620	558

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

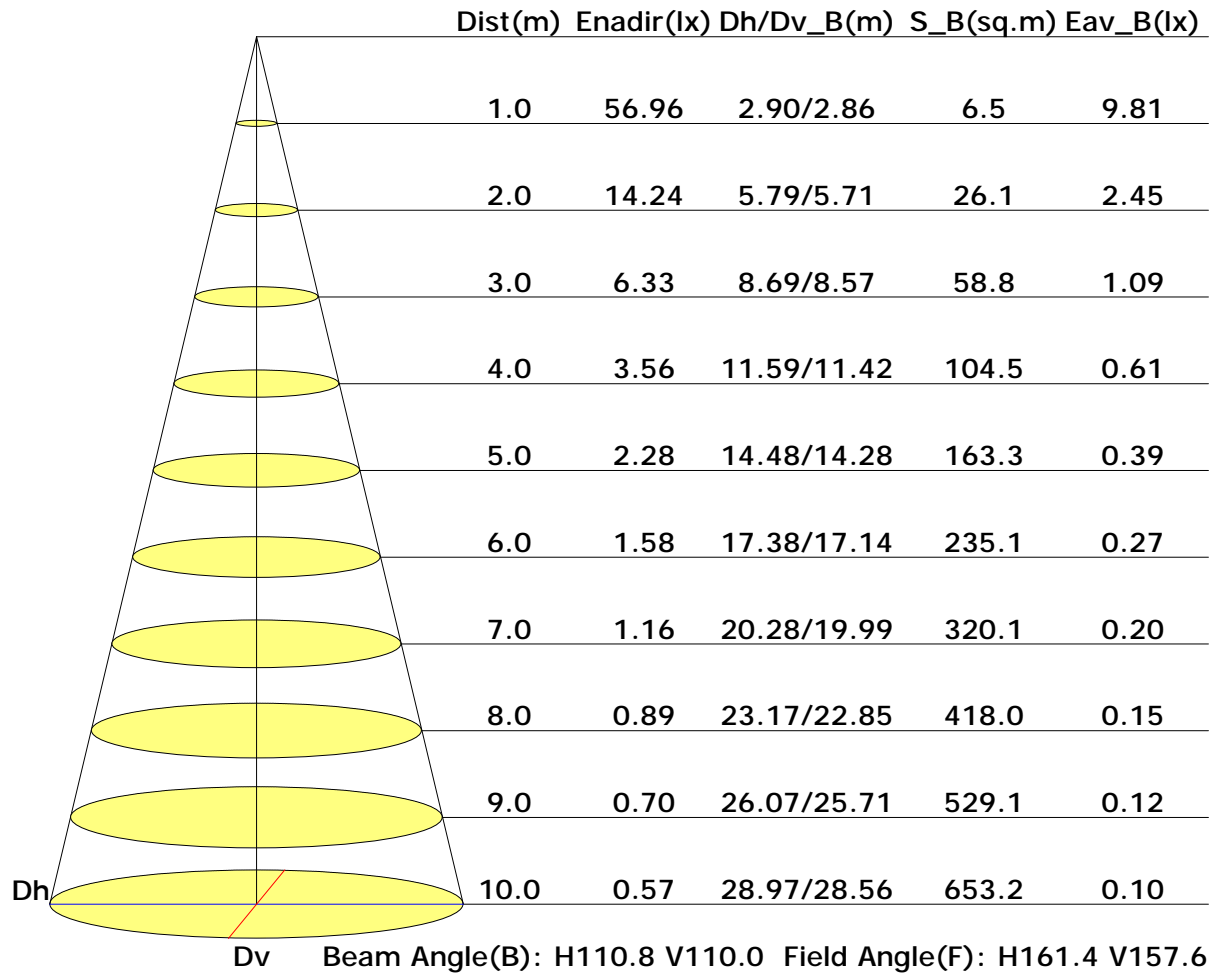
Distance: 9.028 m

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

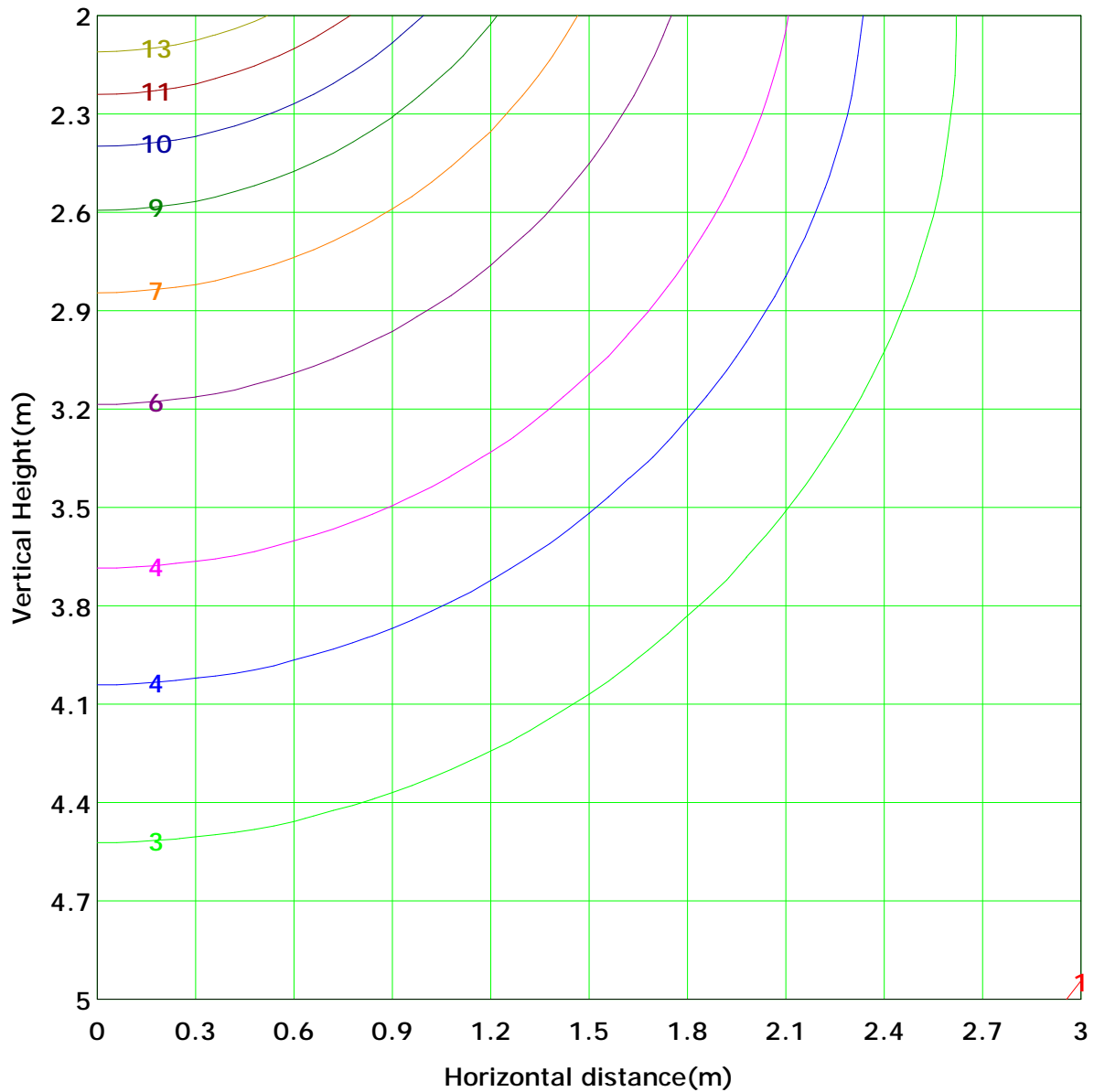
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 14.2 lx
(10%): 1.4 lx	(20%): 2.8 lx	
(25%): 3.6 lx	(30%): 4.3 lx	
(40%): 5.7 lx	(50%): 7.1 lx	
(60%): 8.5 lx	(70%): 10.0 lx	
(80%): 11.4 lx	(90%): 12.8 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

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	0.0	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	0.0
	-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	0.0	0.9	0.7
	-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	0.0	2.6	2.5
	-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	0.0	5.3	5.1
	-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	0.0	8.4	8.3
	-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	0.0	11.7	11.6
	-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	0.0	14.7	14.6
	-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	0.0	17.0	16.8
	-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	0.0	18.2	18.1
	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	0.0	18.2	18.1
	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	0.0	17.0	16.9
	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	0.0	14.8	14.6
	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	0.0	11.8	11.7
	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	0.0	8.5	8.4
	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	0.0	5.3	5.2
	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	0.0	2.7	2.5
	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	0.0	0.9	0.7
	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	0.0	0.1	0.0
	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	0.0	158	156
	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	0.0		

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

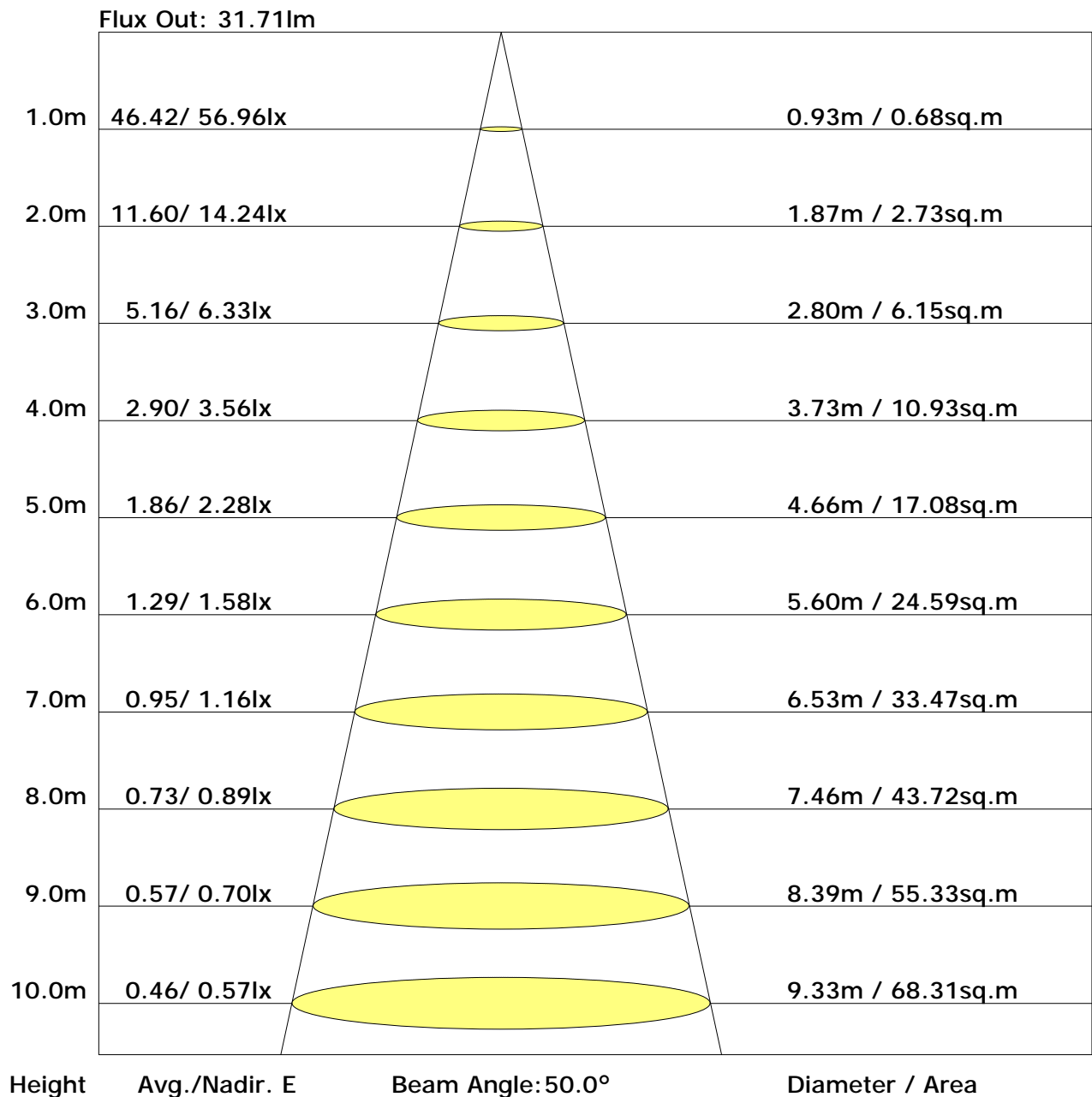
Distance: 9.028 m

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	21.8	23.4	22.2	23.7	24.1	20.4	22.0	20.8	22.3	22.7
3H	23.5	25.0	23.9	25.3	25.7	21.7	23.1	22.1	23.5	23.8
4H	24.2	25.5	24.6	25.9	26.3	22.0	23.4	22.4	23.8	24.2
6H	24.6	25.9	25.0	26.3	26.7	22.2	23.4	22.6	23.8	24.3
8H	24.7	25.9	25.2	26.4	26.8	22.2	23.4	22.6	23.8	24.2
12H	24.8	26.0	25.3	26.4	26.8	22.2	23.3	22.6	23.7	24.2
X=4H Y=2H	22.2	23.5	22.6	23.9	24.3	21.0	22.4	21.4	22.7	23.1
3H	24.1	25.2	24.5	25.6	26.1	22.4	23.6	22.9	24.0	24.4
4H	24.8	25.8	25.2	26.3	26.7	22.9	23.9	23.3	24.3	24.8
6H	25.3	26.2	25.8	26.7	27.2	23.1	24.0	23.6	24.5	25.0
8H	25.5	26.3	26.0	26.8	27.3	23.1	24.0	23.6	24.4	24.9
12H	25.6	26.3	26.1	26.8	27.3	23.1	23.9	23.6	24.4	24.9
X=8H Y=4H	24.9	25.7	25.4	26.2	26.7	23.1	24.0	23.6	24.4	24.9
6H	25.5	26.2	26.0	26.7	27.2	23.4	24.1	23.9	24.6	25.1
8H	25.7	26.3	26.2	26.8	27.3	23.4	24.1	24.0	24.6	25.1
12H	25.8	26.3	26.3	26.8	27.4	23.4	24.0	24.0	24.5	25.1
X=12H Y=4H	24.9	25.6	25.4	26.1	26.6	23.1	23.9	23.6	24.4	24.9
6H	25.5	26.1	26.0	26.6	27.1	23.4	24.1	24.0	24.5	25.1
8H	25.7	26.2	26.2	26.7	27.3	23.5	24.0	24.0	24.5	25.1

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	0.67	0.75	0.80	0.87	0.92	0.96	1.00	1.03
	0.30		0.49	0.60	0.67	0.73	0.81	0.87	0.91	0.96	1.00
	0.20		0.43	0.54	0.62	0.68	0.76	0.82	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	0.58	0.66	0.71	0.79	0.84	0.88	0.93	0.96
	0.20		0.43	0.53	0.61	0.66	0.75	0.80	0.84	0.90	0.94
0.30	0.50	0.20	0.54	0.63	0.70	0.75	0.81	0.85	0.88	0.92	0.95
	0.30		0.47	0.57	0.64	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.43	0.53	0.60	0.65	0.73	0.78	0.82	0.87	0.91
0.00	0.00	0.00	0.40	0.50	0.57	0.62	0.69	0.74	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	0.99	0.81	0.69	0.60	0.48	0.39	0.34	0.26	0.21	
	0.30		0.82	0.70	0.60	0.53	0.43	0.36	0.31	0.24	0.20	
	0.20		0.71	0.61	0.53	0.48	0.39	0.33	0.29	0.23	0.19	
0.50	0.50	0.20	0.95	0.78	0.66	0.57	0.46	0.41	0.32	0.25	0.20	
	0.30		0.81	0.68	0.58	0.51	0.42	0.35	0.30	0.23	0.19	
	0.20		0.70	0.60	0.52	0.47	0.38	0.32	0.28	0.22	0.18	
0.30	0.50	0.20	0.92	0.75	0.63	0.55	0.43	0.36	0.30	0.23	0.19	
	0.30		0.79	0.66	0.57	0.50	0.40	0.33	0.29	0.22	0.18	
	0.20		0.69	0.59	0.51	0.46	0.37	0.31	0.27	0.21	0.18	
0.00	0.00	0.00	0.59	0.49	0.42	0.37	0.30	0.25	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												

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 = 1.25								
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	0.19	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: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	57.1	0.1	0.1	0.03	0.03
1.0-2.0	57.1	0.2	0.2	0.10	0.14
2.0-3.0	57.1	0.3	0.5	0.17	0.31
3.0-4.0	57.0	0.4	0.9	0.24	0.55
4.0-5.0	56.9	0.5	1.4	0.31	0.85
5.0-6.0	56.8	0.6	2.0	0.37	1.23
6.0-7.0	56.7	0.7	2.7	0.44	1.67
7.0-8.0	56.5	0.8	3.5	0.51	2.17
8.0-9.0	56.4	0.9	4.4	0.57	2.74
9.0-10.0	56.2	1.0	5.4	0.64	3.38
10.0-11.0	55.9	1.1	6.5	0.70	4.08
11.0-12.0	55.7	1.2	7.7	0.76	4.84
12.0-13.0	55.5	1.3	9.1	0.82	5.66
13.0-14.0	55.2	1.4	10.5	0.88	6.55
14.0-15.0	54.9	1.5	12.0	0.94	7.49
15.0-16.0	54.6	1.6	13.6	1.00	8.49
16.0-17.0	54.3	1.7	15.3	1.06	9.55
17.0-18.0	53.9	1.8	17.0	1.11	10.66
18.0-19.0	53.5	1.9	18.9	1.16	11.82
19.0-20.0	53.1	1.9	20.9	1.22	13.04
20.0-21.0	52.7	2.0	22.9	1.27	14.30
21.0-22.0	52.3	2.1	25.0	1.31	15.62
22.0-23.0	51.8	2.2	27.2	1.36	16.98
23.0-24.0	51.4	2.2	29.4	1.40	18.38
24.0-25.0	50.9	2.3	31.7	1.45	19.83
25.0-26.0	50.4	2.4	34.1	1.49	21.31
26.0-27.0	49.8	2.4	36.5	1.52	22.84
27.0-28.0	49.3	2.5	39.0	1.56	24.40
28.0-29.0	48.8	2.6	41.6	1.59	25.99
29.0-30.0	48.2	2.6	44.2	1.63	27.62
30.0-31.0	47.6	2.6	46.8	1.66	29.28
31.0-32.0	47.0	2.7	49.5	1.68	30.96
32.0-33.0	46.3	2.7	52.2	1.71	32.67
33.0-34.0	45.7	2.8	55.0	1.73	34.40
34.0-35.0	45.1	2.8	57.8	1.75	36.15
35.0-36.0	44.4	2.8	60.6	1.77	37.91

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	43.7	2.9	63.5	1.78	39.70
37.0-38.0	43.0	2.9	66.4	1.80	41.49
38.0-39.0	42.3	2.9	69.2	1.81	43.30
39.0-40.0	41.6	2.9	72.1	1.81	45.11
40.0-41.0	40.8	2.9	75.1	1.82	46.93
41.0-42.0	40.1	2.9	78.0	1.82	48.75
42.0-43.0	39.3	2.9	80.9	1.82	50.57
43.0-44.0	38.5	2.9	83.8	1.82	52.39
44.0-45.0	37.8	2.9	86.7	1.81	54.20
45.0-46.0	37.0	2.9	89.6	1.81	56.01
46.0-47.0	36.1	2.9	92.5	1.80	57.81
47.0-48.0	35.3	2.9	95.3	1.79	59.59
48.0-49.0	34.5	2.8	98.1	1.77	61.36
49.0-50.0	33.6	2.8	100.9	1.75	63.12
50.0-51.0	32.8	2.8	103.7	1.73	64.85
51.0-52.0	31.9	2.7	106.5	1.71	66.56
52.0-53.0	31.0	2.7	109.2	1.69	68.25
53.0-54.0	30.1	2.7	111.8	1.66	69.91
54.0-55.0	29.2	2.6	114.4	1.63	71.55
55.0-56.0	28.4	2.6	117.0	1.60	73.15
56.0-57.0	27.4	2.5	119.5	1.57	74.72
57.0-58.0	26.5	2.4	121.9	1.53	76.25
58.0-59.0	25.5	2.4	124.3	1.49	77.74
59.0-60.0	24.6	2.3	126.7	1.45	79.19
60.0-61.0	23.6	2.3	128.9	1.41	80.60
61.0-62.0	22.7	2.2	131.1	1.37	81.97
62.0-63.0	21.7	2.1	133.2	1.32	83.29
63.0-64.0	20.8	2.0	135.3	1.27	84.57
64.0-65.0	19.8	2.0	137.2	1.23	85.79
65.0-66.0	18.8	1.9	139.1	1.18	86.97
66.0-67.0	17.9	1.8	140.9	1.12	88.09
67.0-68.0	16.9	1.7	142.6	1.07	89.16
68.0-69.0	15.9	1.6	144.2	1.02	90.18
69.0-70.0	15.0	1.5	145.8	0.96	91.14
70.0-71.0	14.0	1.4	147.2	0.90	92.05
71.0-72.0	13.0	1.4	148.6	0.85	92.90

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	12.1	1.3	149.8	0.79	93.69
73.0-74.0	11.1	1.2	151.0	0.73	94.42
74.0-75.0	10.2	1.1	152.1	0.68	95.09
75.0-76.0	9.3	1.0	153.1	0.62	95.71
76.0-77.0	8.4	0.9	154.0	0.56	96.27
77.0-78.0	7.5	0.8	154.8	0.50	96.78
78.0-79.0	6.7	0.7	155.5	0.45	97.22
79.0-80.0	5.8	0.6	156.1	0.39	97.62
80.0-81.0	5.0	0.5	156.7	0.34	97.95
81.0-82.0	4.2	0.5	157.1	0.28	98.23
82.0-83.0	3.4	0.4	157.5	0.23	98.46
83.0-84.0	2.6	0.3	157.8	0.18	98.64
84.0-85.0	1.9	0.2	158.0	0.13	98.77
85.0-86.0	1.2	0.1	158.1	0.08	98.85
86.0-87.0	0.7	0.1	158.2	0.04	98.90
87.0-88.0	0.3	0.0	158.2	0.02	98.92
88.0-89.0	0.1	0.0	158.2	0.01	98.93
89.0-90.0	0.1	0.0	158.2	0.01	98.93
90.0-91.0	0.1	0.0	158.2	0.01	98.94
91.0-92.0	0.1	0.0	158.2	0.01	98.94
92.0-93.0	0.1	0.0	158.3	0.01	98.95
93.0-94.0	0.1	0.0	158.3	0.01	98.96
94.0-95.0	0.1	0.0	158.3	0.01	98.96
95.0-96.0	0.1	0.0	158.3	0.01	98.97
96.0-97.0	0.1	0.0	158.3	0.01	98.98
97.0-98.0	0.1	0.0	158.3	0.01	98.99
98.0-99.0	0.1	0.0	158.3	0.01	99.00
99.0-100.0	0.1	0.0	158.3	0.01	99.00
100.0-101.0	0.1	0.0	158.4	0.01	99.01
101.0-102.0	0.2	0.0	158.4	0.01	99.03
102.0-103.0	0.1	0.0	158.4	0.01	99.03
103.0-104.0	0.2	0.0	158.4	0.01	99.05
104.0-105.0	0.2	0.0	158.4	0.01	99.06
105.0-106.0	0.2	0.0	158.4	0.01	99.07
106.0-107.0	0.2	0.0	158.5	0.01	99.08
107.0-108.0	0.2	0.0	158.5	0.01	99.09

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	158.5	0.01	99.10
109.0-110.0	0.2	0.0	158.5	0.01	99.11
110.0-111.0	0.2	0.0	158.5	0.01	99.13
111.0-112.0	0.2	0.0	158.6	0.01	99.14
112.0-113.0	0.2	0.0	158.6	0.01	99.15
113.0-114.0	0.2	0.0	158.6	0.01	99.16
114.0-115.0	0.2	0.0	158.6	0.01	99.18
115.0-116.0	0.2	0.0	158.6	0.02	99.19
116.0-117.0	0.2	0.0	158.7	0.02	99.21
117.0-118.0	0.2	0.0	158.7	0.02	99.22
118.0-119.0	0.3	0.0	158.7	0.02	99.24
119.0-120.0	0.3	0.0	158.7	0.02	99.25
120.0-121.0	0.3	0.0	158.8	0.02	99.27
121.0-122.0	0.3	0.0	158.8	0.02	99.29
122.0-123.0	0.3	0.0	158.8	0.02	99.30
123.0-124.0	0.3	0.0	158.8	0.02	99.32
124.0-125.0	0.3	0.0	158.9	0.02	99.34
125.0-126.0	0.3	0.0	158.9	0.02	99.35
126.0-127.0	0.3	0.0	158.9	0.02	99.37
127.0-128.0	0.3	0.0	159.0	0.02	99.39
128.0-129.0	0.3	0.0	159.0	0.02	99.40
129.0-130.0	0.3	0.0	159.0	0.02	99.42
130.0-131.0	0.3	0.0	159.0	0.02	99.44
131.0-132.0	0.3	0.0	159.1	0.02	99.46
132.0-133.0	0.3	0.0	159.1	0.02	99.47
133.0-134.0	0.3	0.0	159.1	0.02	99.49
134.0-135.0	0.3	0.0	159.1	0.02	99.51
135.0-136.0	0.4	0.0	159.2	0.02	99.52
136.0-137.0	0.4	0.0	159.2	0.02	99.54
137.0-138.0	0.4	0.0	159.2	0.02	99.56
138.0-139.0	0.4	0.0	159.3	0.02	99.58
139.0-140.0	0.4	0.0	159.3	0.02	99.59
140.0-141.0	0.4	0.0	159.3	0.02	99.61
141.0-142.0	0.4	0.0	159.3	0.02	99.63
142.0-143.0	0.4	0.0	159.4	0.02	99.64
143.0-144.0	0.4	0.0	159.4	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	159.4	0.02	99.68
145.0-146.0	0.4	0.0	159.4	0.02	99.69
146.0-147.0	0.4	0.0	159.5	0.02	99.71
147.0-148.0	0.4	0.0	159.5	0.02	99.72
148.0-149.0	0.4	0.0	159.5	0.02	99.74
149.0-150.0	0.4	0.0	159.5	0.01	99.75
150.0-151.0	0.4	0.0	159.6	0.01	99.77
151.0-152.0	0.4	0.0	159.6	0.01	99.78
152.0-153.0	0.4	0.0	159.6	0.01	99.80
153.0-154.0	0.4	0.0	159.6	0.01	99.81
154.0-155.0	0.5	0.0	159.7	0.01	99.82
155.0-156.0	0.5	0.0	159.7	0.01	99.84
156.0-157.0	0.5	0.0	159.7	0.01	99.85
157.0-158.0	0.5	0.0	159.7	0.01	99.86
158.0-159.0	0.5	0.0	159.7	0.01	99.87
159.0-160.0	0.5	0.0	159.7	0.01	99.88
160.0-161.0	0.5	0.0	159.8	0.01	99.89
161.0-162.0	0.5	0.0	159.8	0.01	99.91
162.0-163.0	0.5	0.0	159.8	0.01	99.92
163.0-164.0	0.5	0.0	159.8	0.01	99.92
164.0-165.0	0.5	0.0	159.8	0.01	99.93
165.0-166.0	0.5	0.0	159.8	0.01	99.94
166.0-167.0	0.5	0.0	159.9	0.01	99.95
167.0-168.0	0.5	0.0	159.9	0.01	99.96
168.0-169.0	0.5	0.0	159.9	0.01	99.96
169.0-170.0	0.5	0.0	159.9	0.01	99.97
170.0-171.0	0.5	0.0	159.9	0.01	99.98
171.0-172.0	0.5	0.0	159.9	0.01	99.98
172.0-173.0	0.5	0.0	159.9	0.00	99.99
173.0-174.0	0.5	0.0	159.9	0.00	99.99
174.0-175.0	0.5	0.0	159.9	0.00	99.99
175.0-176.0	0.5	0.0	159.9	0.00	100.00
176.0-177.0	0.5	0.0	159.9	0.00	100.00
177.0-178.0	0.5	0.0	159.9	0.00	100.00
178.0-179.0	0.5	0.0	159.9	0.00	100.00
179.0-180.0	0.5	0.0	159.9	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: