

Report No.:

Test Time: 2021/2/23 11:32

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: CHANNEL

Lamp Catalog: RIBBONLYTE

Number of Lamps: 1 ROWS

Luminous Width (mm): 24

Voltage: 24.0 V

Power: 5.22 W

Luminaire Description: AC14

Lamp Description: RB90SWS2203.030

Luminous Length (mm): 500

Luminous Height (mm): 19.4

Current: 0.218 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 279.4 lm

Downward Ratio: 94%

Horizontal Diffuse Angle(10%,50%): H160.1,H109.6

Vertical Diffuse Angle(10%,50%): V161.5,V116.3

Luminaire Efficacy Rating (LER): 54

Max. Intensity: 99.8 cd

Total Rated Lamp Lumens: 279.4 lm

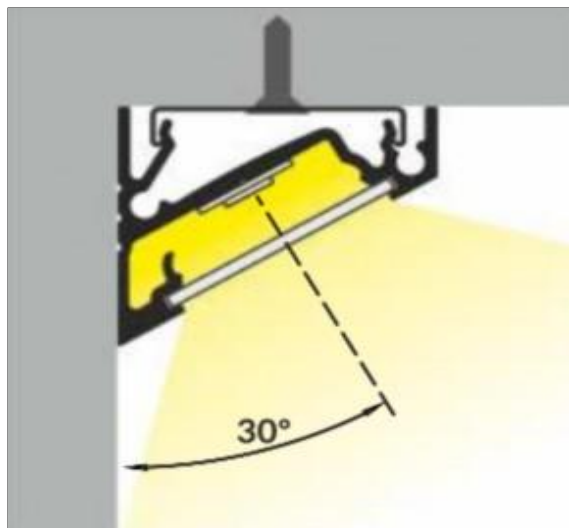
Efficiency: 100%

Upward Ratio: 6%

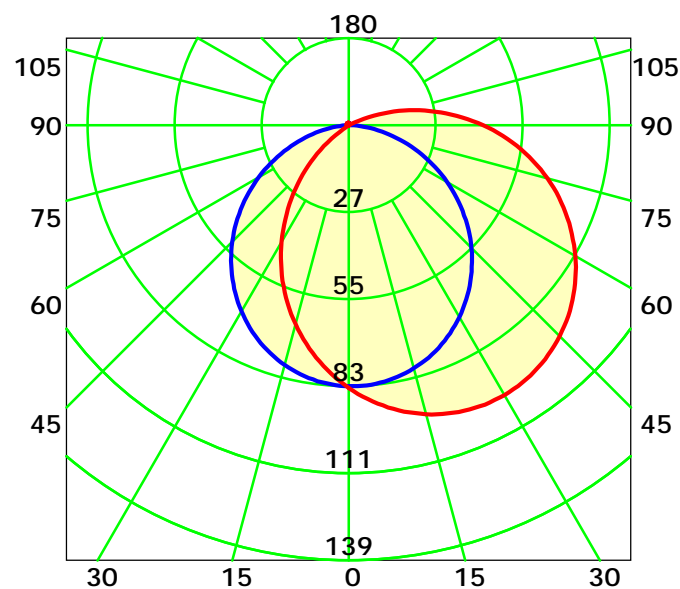
Central Intensity: 83.55 cd

Pos of Max. Intensity: H90 V30

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 113.0° 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

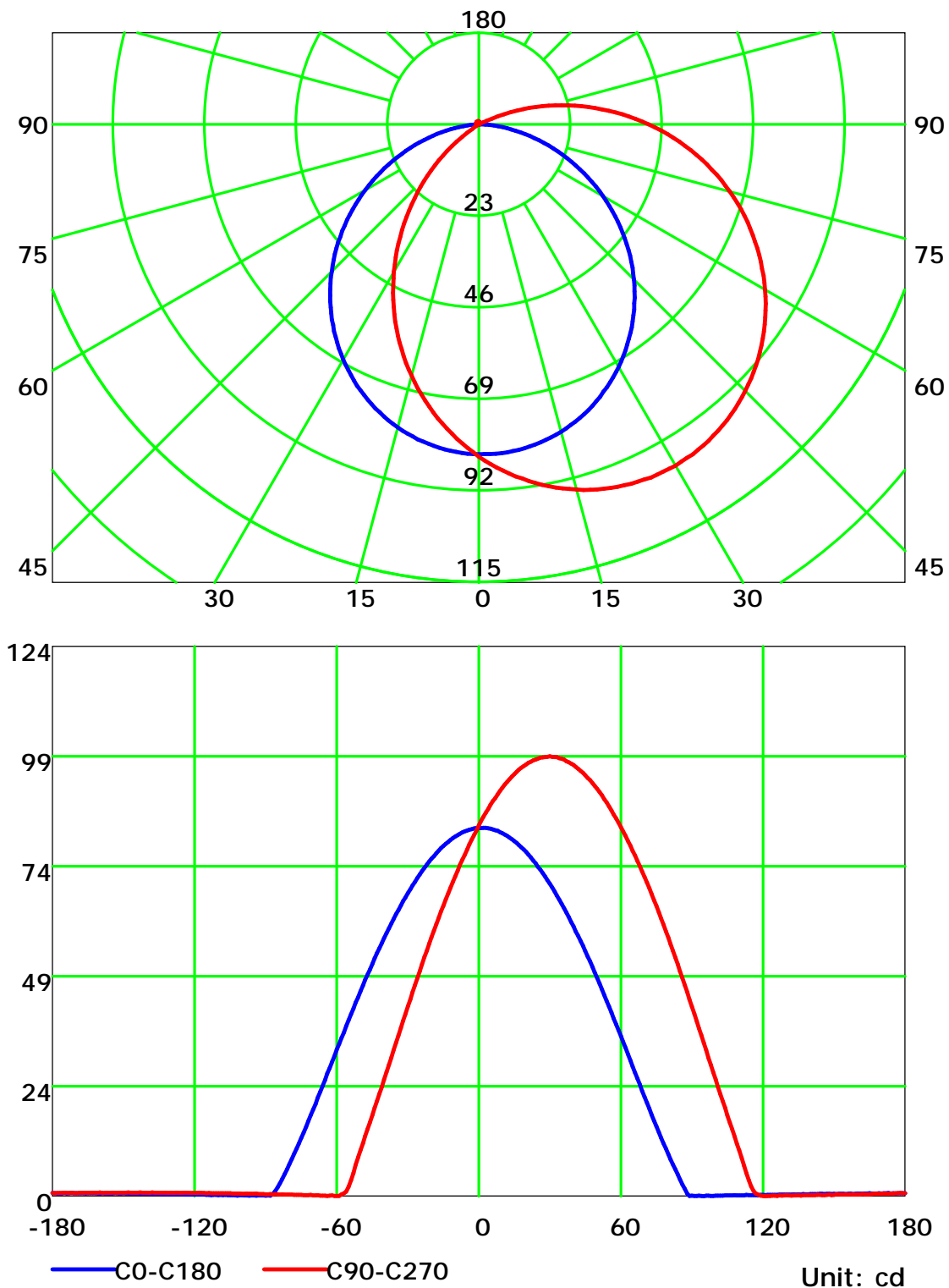
Test Device: GPM-1800B

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

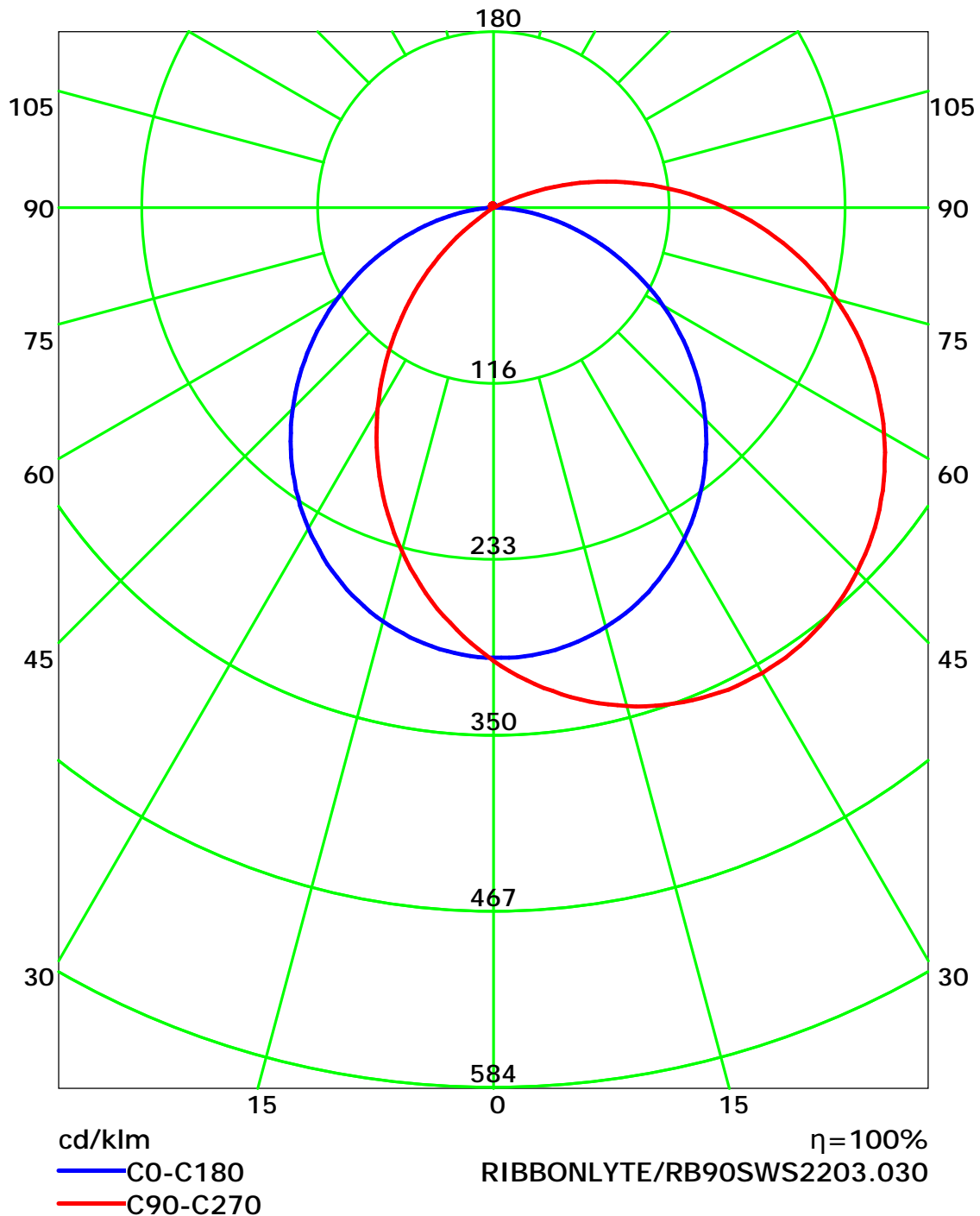
Distance: 9.028 m

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:

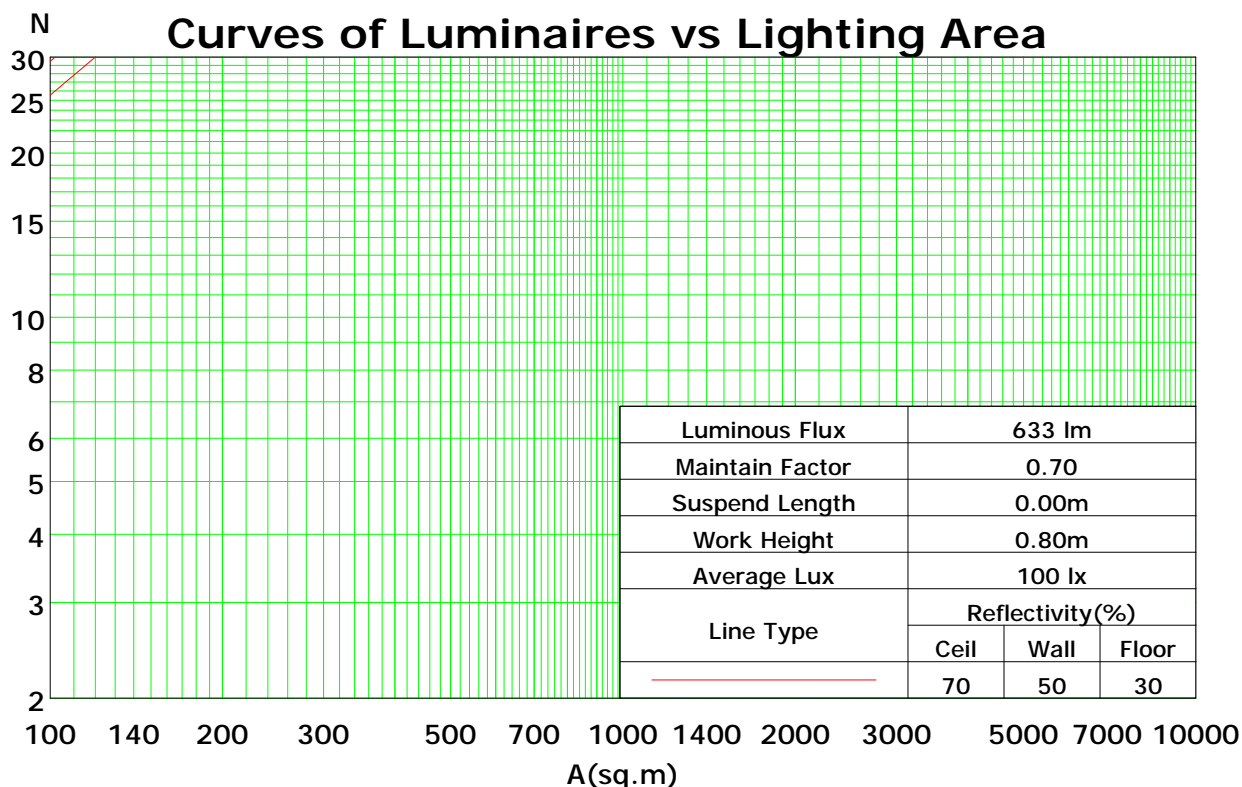
Coefficients Of Utilization - Zonal Cavity Method

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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	105	100	95	90	102	97	92	88	91	88	84	86	83	81	82	79	77	74
2	95	86	78	72	92	84	77	71	79	73	68	75	70	66	71	67	63	61
3	86	75	66	59	83	73	65	58	69	62	57	66	60	55	62	57	53	51
4	79	66	57	50	76	65	56	49	61	54	48	58	52	47	55	50	45	43
5	73	59	50	43	70	58	49	42	55	47	41	52	46	40	50	44	39	37
6	67	53	44	37	65	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	39	32	45	37	32	43	36	31	41	35	31	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	38	32	27	25
9	54	40	32	26	52	39	31	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	21

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.26

Spacing Criteria (Diagonal): 1.37



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

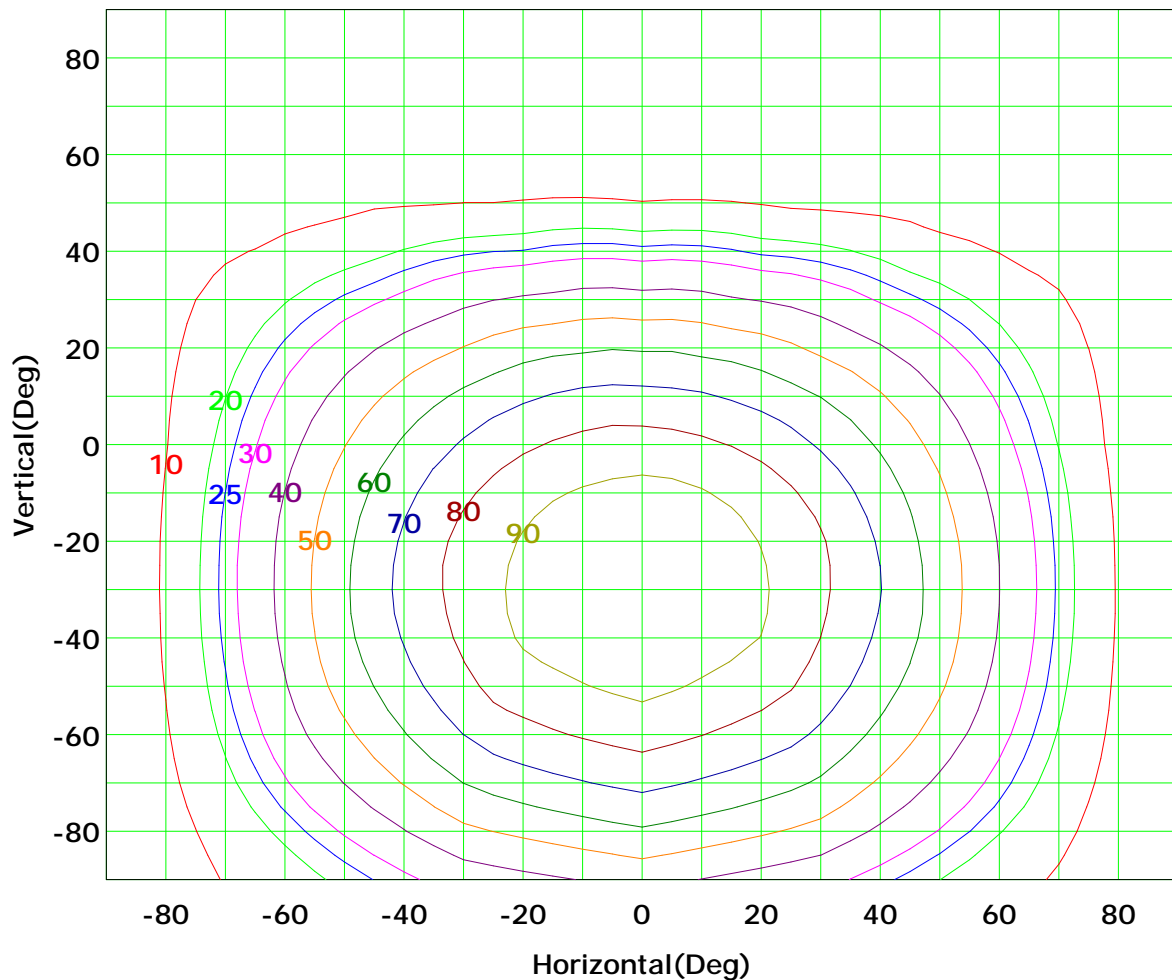
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



I_{max} (100%): 100 cd

(10%):	10 cd	(20%):	20 cd
(25%):	25 cd	(30%):	30 cd
(40%):	40 cd	(50%):	50 cd
(60%):	60 cd	(70%):	70 cd
(80%):	80 cd	(90%):	90 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

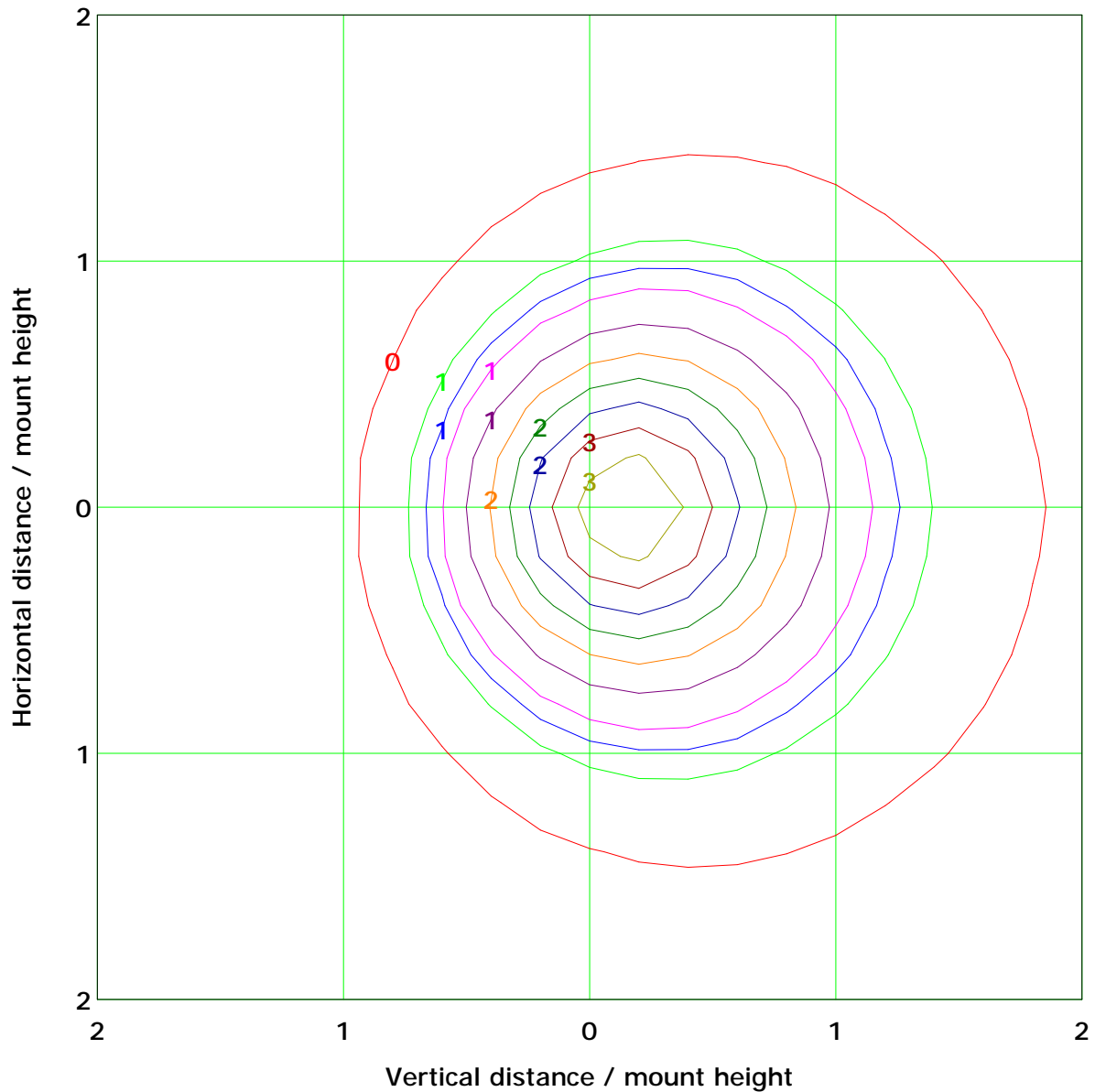
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 3.5 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%): 2.1 lx	(70%): 2.5 lx
(80%): 2.8 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

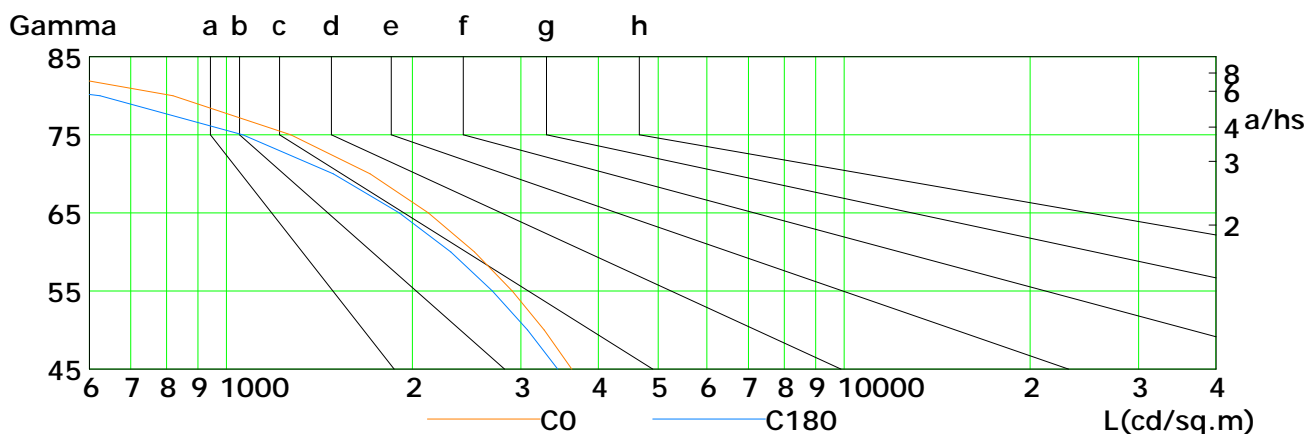
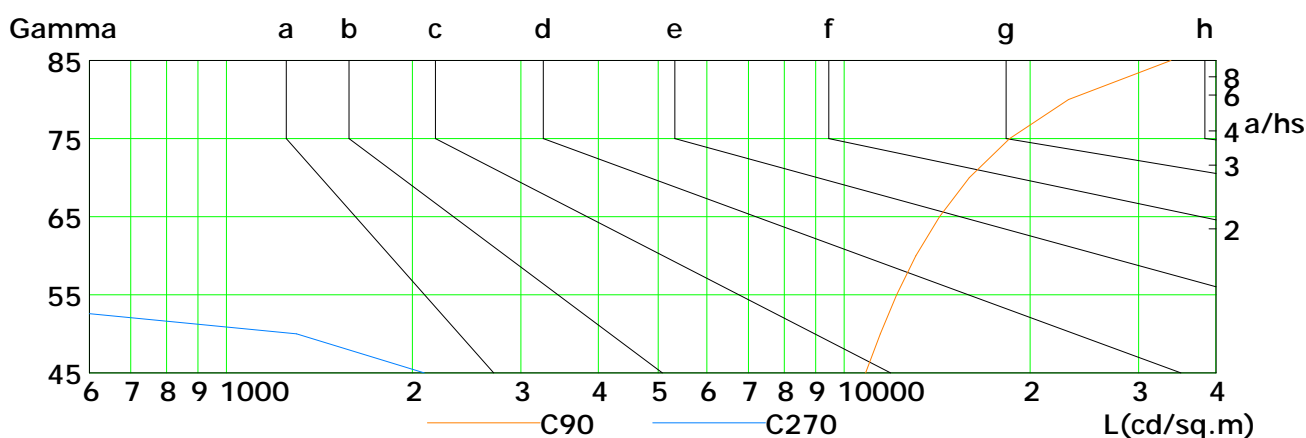
Humidity: 60%

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	3624	3271	2904	2522	2125	1709	1272	820	359
C90	10838	11455	12175	13078	14272	15959	18532	23101	33815
C180	3438	3075	2697	2309	1906	1491	1063	625	194
C270	2092	1299	297	17	24	53	87	146	305

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

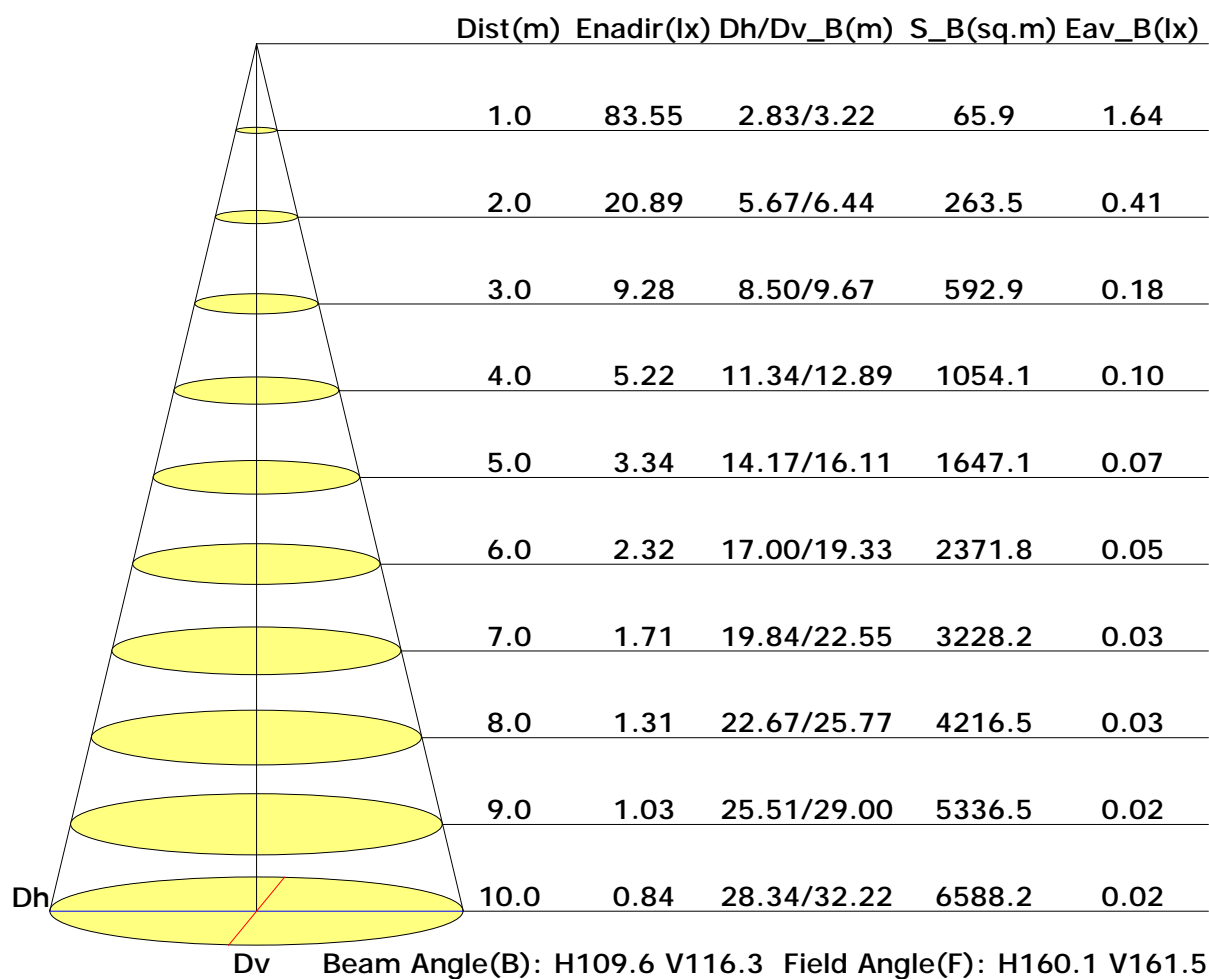
Test Device: GPM-1800B

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

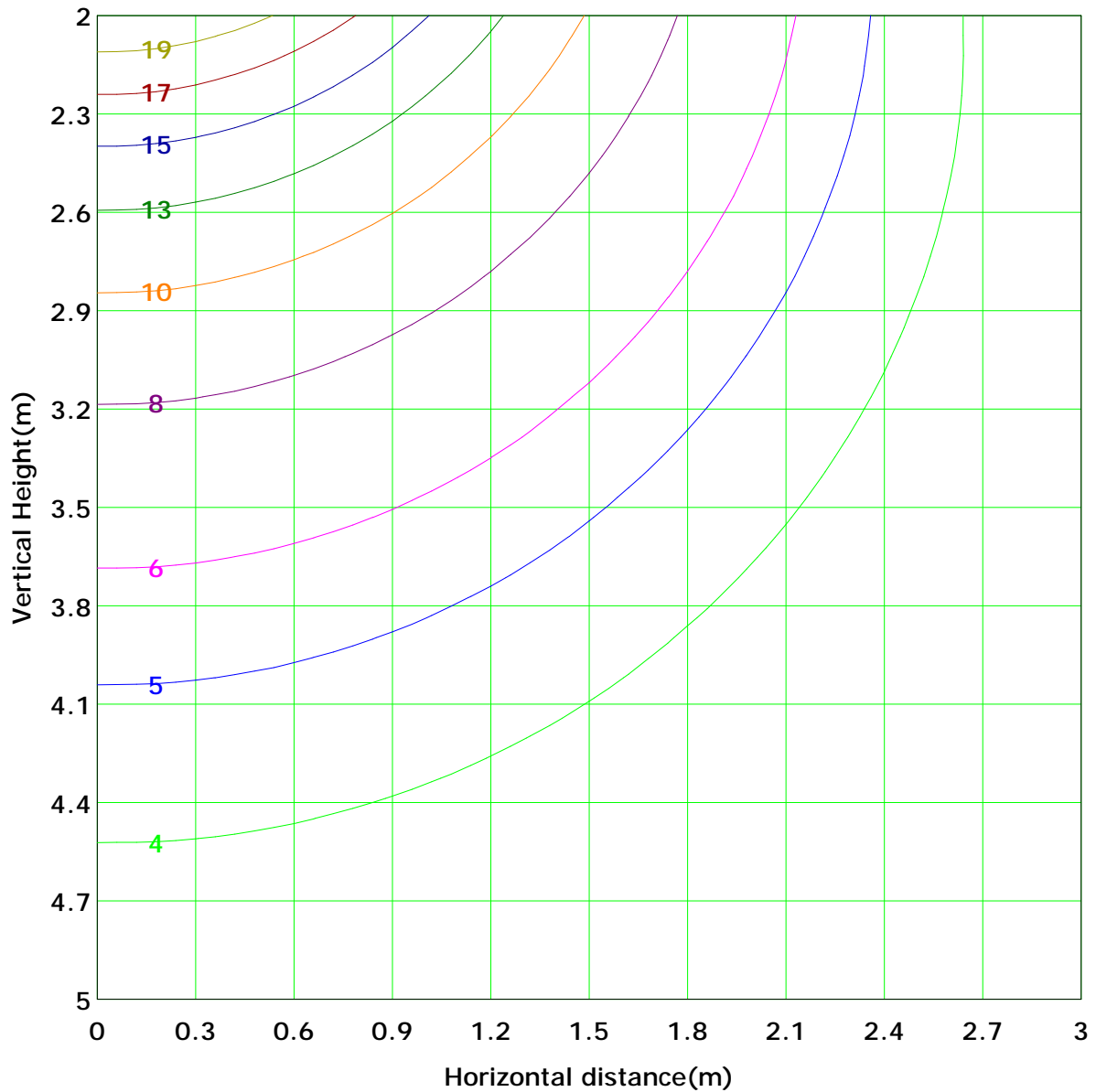
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 20.9 lx
(10%): 2.1 lx	(20%): 4.2 lx	
(25%): 5.2 lx	(30%): 6.3 lx	
(40%): 8.4 lx	(50%): 10.4 lx	
(60%): 12.5 lx	(70%): 14.6 lx	
(80%): 16.7 lx	(90%): 18.8 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	1.4	1.1
	-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	4.2	4.0
	-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	8.3	8.2
	-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	13.6	13.4
	-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	19.1	19.0
	-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	24.2	24.0
	-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	28.0	27.9
	-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	30.3	30.2
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5	30.4
	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	28.5	28.3
	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	24.8	24.7
	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	19.9	19.7
	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	14.3	14.2
	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	9.0	8.9
	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	4.7	4.5
	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	1.7	1.4
	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	0.2	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	263	260

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

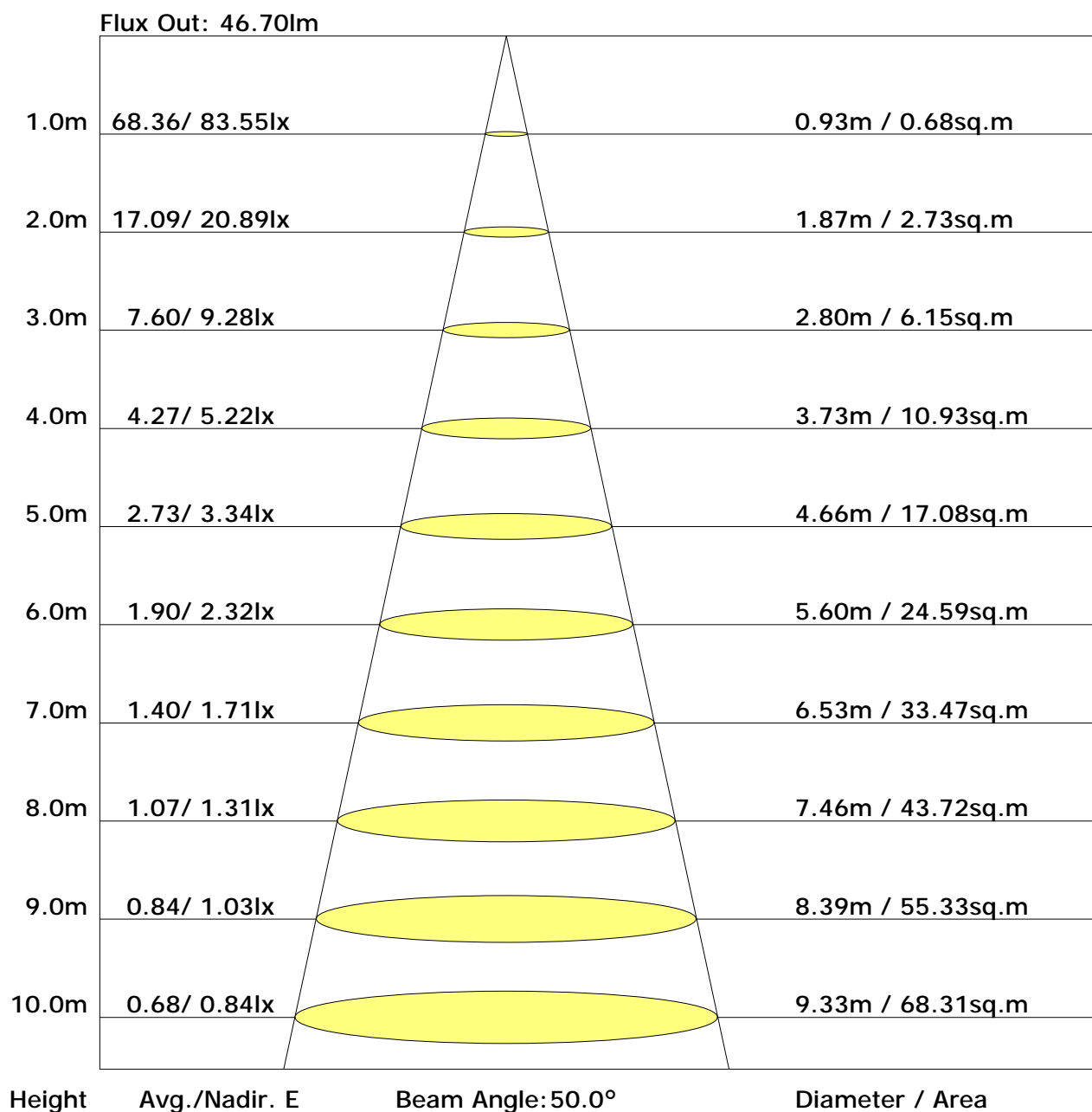
Test Device: GPM-1800B

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	21.3	22.8	21.7	23.3	23.7	24.4	25.9	24.8	26.4	26.8
3H	23.0	24.5	23.5	24.9	25.4	26.8	28.2	27.2	28.6	29.1
4H	23.7	25.1	24.2	25.5	26.0	27.8	29.2	28.3	29.7	30.2
6H	24.2	25.5	24.7	25.9	26.5	28.9	30.1	29.4	30.6	31.1
8H	24.4	25.6	24.9	26.1	26.6	29.3	30.5	29.8	31.0	31.6
12H	24.4	25.6	25.0	26.1	26.7	29.8	30.9	30.3	31.4	32.0
X=4H Y=2H	22.0	23.4	22.5	23.9	24.4	25.0	26.3	25.4	26.8	27.3
3H	24.1	25.2	24.6	25.7	26.3	27.6	28.8	28.1	29.3	29.8
4H	24.9	26.0	25.4	26.5	27.0	28.9	29.9	29.4	30.5	31.0
6H	25.5	26.5	26.1	27.0	27.6	30.1	31.0	30.6	31.6	32.1
8H	25.7	26.6	26.3	27.2	27.8	30.6	31.5	31.2	32.1	32.6
12H	25.9	26.7	26.5	27.3	27.9	31.2	32.0	31.7	32.5	33.1
X=8H Y=4H	25.5	26.4	26.0	26.9	27.5	29.2	30.1	29.8	30.6	31.2
6H	26.3	27.1	26.9	27.7	28.3	30.6	31.4	31.2	32.0	32.6
8H	26.6	27.3	27.2	27.9	28.5	31.3	32.0	31.9	32.6	33.2
12H	26.9	27.5	27.5	28.1	28.8	32.0	32.6	32.6	33.2	33.9
X=12H Y=4H	25.6	26.4	26.2	27.0	27.6	29.2	30.1	29.8	30.6	31.2
6H	26.6	27.2	27.2	27.8	28.5	30.7	31.4	31.3	31.9	32.6
8H	27.0	27.6	27.5	28.2	28.8	31.5	32.1	32.1	32.7	33.3

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	0.52	0.62	0.69	0.74	0.81	0.86	0.90	0.95	0.98
	0.30		0.44	0.54	0.61	0.66	0.74	0.80	0.84	0.90	0.94
	0.20		0.38	0.48	0.55	0.60	0.69	0.75	0.79	0.86	0.90
0.50	0.50	0.20	0.50	0.59	0.66	0.71	0.77	0.82	0.85	0.90	0.93
	0.30		0.43	0.52	0.59	0.64	0.71	0.77	0.80	0.86	0.89
	0.20		0.38	0.47	0.54	0.59	0.66	0.72	0.76	0.82	0.86
0.30	0.50	0.20	0.48	0.57	0.63	0.67	0.73	0.78	0.81	0.85	0.88
	0.30		0.42	0.51	0.57	0.62	0.69	0.73	0.77	0.82	0.85
	0.20		0.37	0.46	0.52	0.57	0.64	0.70	0.73	0.79	0.82
0.00	0.00	0.00	0.34	0.42	0.49	0.53	0.60	0.65	0.68	0.73	0.76
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	1.03	0.87	0.75	0.66	0.54	0.46	0.40	0.32	0.26	
	0.30		0.86	0.74	0.66	0.59	0.49	0.42	0.37	0.30	0.25	
	0.20		0.74	0.65	0.58	0.53	0.45	0.39	0.34	0.28	0.24	
0.50	0.50	0.20	0.98	0.83	0.71	0.63	0.52	0.46	0.38	0.30	0.25	
	0.30		0.83	0.72	0.63	0.57	0.47	0.40	0.35	0.29	0.24	
	0.20		0.72	0.63	0.57	0.51	0.43	0.38	0.33	0.27	0.23	
0.30	0.50	0.20	0.95	0.79	0.68	0.60	0.49	0.41	0.36	0.29	0.24	
	0.30		0.81	0.69	0.61	0.54	0.45	0.39	0.34	0.27	0.23	
	0.20		0.71	0.62	0.55	0.50	0.42	0.36	0.32	0.26	0.22	
0.00	0.00	0.00	0.60	0.52	0.46	0.41	0.34	0.30	0.26	0.21	0.18	
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	0.22	0.24	0.24	0.25	0.26	0.27	0.27	0.27	0.28
	0.30		0.15	0.17	0.18	0.19	0.21	0.22	0.23	0.24	0.25
	0.20		0.10	0.12	0.13	0.14	0.16	0.18	0.19	0.20	0.22
0.50	0.50	0.20	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27
	0.30		0.15	0.16	0.18	0.19	0.20	0.21	0.22	0.23	0.24
	0.20		0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.20	0.21
0.30	0.50	0.20	0.21	0.22	0.23	0.23	0.24	0.25	0.25	0.25	0.25
	0.30		0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23
	0.20		0.10	0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20
0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	84.0	0.1	0.1	0.03	0.03
1.0-2.0	84.0	0.2	0.3	0.09	0.12
2.0-3.0	83.9	0.4	0.7	0.14	0.26
3.0-4.0	83.8	0.6	1.3	0.20	0.46
4.0-5.0	83.7	0.7	2.0	0.26	0.72
5.0-6.0	83.5	0.9	2.9	0.31	1.03
6.0-7.0	83.3	1.0	3.9	0.37	1.40
7.0-8.0	83.1	1.2	5.1	0.43	1.83
8.0-9.0	82.9	1.3	6.4	0.48	2.31
9.0-10.0	82.6	1.5	7.9	0.54	2.84
10.0-11.0	82.3	1.6	9.6	0.59	3.43
11.0-12.0	82.0	1.8	11.4	0.64	4.07
12.0-13.0	81.6	1.9	13.3	0.69	4.77
13.0-14.0	81.2	2.1	15.4	0.74	5.51
14.0-15.0	80.8	2.2	17.6	0.79	6.31
15.0-16.0	80.4	2.4	20.0	0.84	7.15
16.0-17.0	79.9	2.5	22.5	0.89	8.04
17.0-18.0	79.4	2.6	25.1	0.94	8.98
18.0-19.0	78.8	2.7	27.8	0.98	9.96
19.0-20.0	78.3	2.9	30.7	1.03	10.98
20.0-21.0	77.7	3.0	33.7	1.07	12.05
21.0-22.0	77.1	3.1	36.8	1.11	13.16
22.0-23.0	76.4	3.2	40.0	1.15	14.31
23.0-24.0	75.7	3.3	43.3	1.19	15.49
24.0-25.0	75.0	3.4	46.7	1.22	16.72
25.0-26.0	74.3	3.5	50.2	1.26	17.97
26.0-27.0	73.6	3.6	53.8	1.29	19.26
27.0-28.0	72.8	3.7	57.5	1.32	20.58
28.0-29.0	72.0	3.8	61.3	1.35	21.93
29.0-30.0	71.2	3.8	65.1	1.38	23.30
30.0-31.0	70.3	3.9	69.0	1.40	24.70
31.0-32.0	69.4	4.0	73.0	1.42	26.13
32.0-33.0	68.5	4.0	77.0	1.45	27.57
33.0-34.0	67.6	4.1	81.1	1.46	29.04
34.0-35.0	66.7	4.1	85.3	1.48	30.52
35.0-36.0	65.7	4.2	89.5	1.50	32.02

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	64.7	4.2	93.7	1.51	33.53
37.0-38.0	63.7	4.3	97.9	1.52	35.05
38.0-39.0	62.7	4.3	102.2	1.53	36.58
39.0-40.0	61.6	4.3	106.5	1.54	38.12
40.0-41.0	60.6	4.3	110.8	1.54	39.67
41.0-42.0	59.5	4.3	115.1	1.55	41.21
42.0-43.0	58.4	4.3	119.5	1.55	42.76
43.0-44.0	57.3	4.3	123.8	1.55	44.31
44.0-45.0	56.2	4.3	128.1	1.55	45.86
45.0-46.0	55.0	4.3	132.4	1.54	47.40
46.0-47.0	53.9	4.3	136.7	1.53	48.93
47.0-48.0	52.7	4.3	141.0	1.53	50.46
48.0-49.0	51.5	4.2	145.2	1.52	51.97
49.0-50.0	50.4	4.2	149.4	1.50	53.47
50.0-51.0	49.1	4.2	153.5	1.49	54.96
51.0-52.0	47.9	4.1	157.7	1.47	56.43
52.0-53.0	46.7	4.1	161.7	1.45	57.89
53.0-54.0	45.4	4.0	165.7	1.43	59.32
54.0-55.0	44.1	3.9	169.7	1.41	60.73
55.0-56.0	42.9	3.9	173.5	1.39	62.12
56.0-57.0	41.7	3.8	177.3	1.36	63.48
57.0-58.0	40.5	3.7	181.1	1.34	64.82
58.0-59.0	39.3	3.7	184.8	1.32	66.14
59.0-60.0	38.2	3.6	188.4	1.29	67.43
60.0-61.0	37.2	3.6	191.9	1.27	68.70
61.0-62.0	36.2	3.5	195.4	1.25	69.95
62.0-63.0	35.3	3.4	198.9	1.23	71.18
63.0-64.0	34.3	3.4	202.2	1.20	72.39
64.0-65.0	33.4	3.3	205.5	1.18	73.57
65.0-66.0	32.4	3.2	208.8	1.16	74.72
66.0-67.0	31.4	3.2	211.9	1.13	75.86
67.0-68.0	30.4	3.1	215.0	1.10	76.96
68.0-69.0	29.5	3.0	218.0	1.08	78.04
69.0-70.0	28.5	2.9	220.9	1.05	79.08
70.0-71.0	27.6	2.8	223.8	1.02	80.10
71.0-72.0	26.6	2.8	226.6	0.99	81.09

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 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	25.8	2.7	229.2	0.96	82.06
73.0-74.0	24.9	2.6	231.9	0.94	83.00
74.0-75.0	24.1	2.5	234.4	0.91	83.91
75.0-76.0	23.3	2.5	236.9	0.89	84.79
76.0-77.0	22.5	2.4	239.3	0.86	85.65
77.0-78.0	21.7	2.3	241.6	0.83	86.48
78.0-79.0	20.8	2.2	243.9	0.80	87.29
79.0-80.0	20.0	2.2	246.0	0.77	88.06
80.0-81.0	19.2	2.1	248.1	0.74	88.80
81.0-82.0	18.3	2.0	250.1	0.71	89.51
82.0-83.0	17.5	1.9	252.0	0.68	90.19
83.0-84.0	16.7	1.8	253.8	0.65	90.84
84.0-85.0	15.8	1.7	255.5	0.62	91.46
85.0-86.0	15.0	1.6	257.2	0.59	92.05
86.0-87.0	14.2	1.6	258.7	0.56	92.60
87.0-88.0	13.4	1.5	260.2	0.53	93.13
88.0-89.0	12.7	1.4	261.6	0.50	93.63
89.0-90.0	12.1	1.3	262.9	0.48	94.11
90.0-91.0	11.5	1.3	264.2	0.45	94.56
91.0-92.0	11.0	1.2	265.4	0.43	94.99
92.0-93.0	10.4	1.1	266.5	0.41	95.40
93.0-94.0	9.8	1.1	267.6	0.39	95.78
94.0-95.0	9.3	1.0	268.6	0.36	96.15
95.0-96.0	8.7	1.0	269.6	0.34	96.49
96.0-97.0	8.2	0.9	270.4	0.32	96.80
97.0-98.0	7.6	0.8	271.3	0.30	97.10
98.0-99.0	7.0	0.8	272.0	0.27	97.37
99.0-100.0	6.5	0.7	272.7	0.25	97.63
100.0-101.0	6.0	0.6	273.4	0.23	97.85
101.0-102.0	5.4	0.6	274.0	0.21	98.06
102.0-103.0	4.9	0.5	274.5	0.19	98.25
103.0-104.0	4.4	0.5	275.0	0.17	98.42
104.0-105.0	4.0	0.4	275.4	0.15	98.57
105.0-106.0	3.6	0.4	275.8	0.14	98.70
106.0-107.0	3.2	0.3	276.1	0.12	98.83
107.0-108.0	2.9	0.3	276.4	0.11	98.93

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 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	2.5	0.3	276.6	0.09	99.02
109.0-110.0	2.1	0.2	276.9	0.08	99.10
110.0-111.0	1.7	0.2	277.0	0.06	99.16
111.0-112.0	1.4	0.1	277.2	0.05	99.21
112.0-113.0	1.1	0.1	277.3	0.04	99.25
113.0-114.0	0.8	0.1	277.4	0.03	99.28
114.0-115.0	0.7	0.1	277.4	0.02	99.31
115.0-116.0	0.5	0.1	277.5	0.02	99.33
116.0-117.0	0.5	0.0	277.5	0.02	99.34
117.0-118.0	0.4	0.0	277.6	0.02	99.36
118.0-119.0	0.4	0.0	277.6	0.01	99.37
119.0-120.0	0.4	0.0	277.7	0.01	99.39
120.0-121.0	0.4	0.0	277.7	0.01	99.40
121.0-122.0	0.4	0.0	277.7	0.01	99.41
122.0-123.0	0.4	0.0	277.8	0.01	99.43
123.0-124.0	0.4	0.0	277.8	0.01	99.44
124.0-125.0	0.4	0.0	277.9	0.01	99.46
125.0-126.0	0.4	0.0	277.9	0.01	99.47
126.0-127.0	0.5	0.0	277.9	0.01	99.49
127.0-128.0	0.5	0.0	278.0	0.01	99.50
128.0-129.0	0.5	0.0	278.0	0.01	99.51
129.0-130.0	0.5	0.0	278.1	0.01	99.53
130.0-131.0	0.5	0.0	278.1	0.01	99.54
131.0-132.0	0.5	0.0	278.1	0.01	99.56
132.0-133.0	0.5	0.0	278.2	0.01	99.57
133.0-134.0	0.5	0.0	278.2	0.01	99.59
134.0-135.0	0.5	0.0	278.3	0.01	99.60
135.0-136.0	0.5	0.0	278.3	0.01	99.62
136.0-137.0	0.5	0.0	278.3	0.01	99.63
137.0-138.0	0.5	0.0	278.4	0.01	99.64
138.0-139.0	0.5	0.0	278.4	0.01	99.66
139.0-140.0	0.5	0.0	278.5	0.01	99.67
140.0-141.0	0.6	0.0	278.5	0.01	99.69
141.0-142.0	0.6	0.0	278.5	0.01	99.70
142.0-143.0	0.6	0.0	278.6	0.01	99.71
143.0-144.0	0.6	0.0	278.6	0.01	99.73

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	0.6	0.0	278.6	0.01	99.74
145.0-146.0	0.6	0.0	278.7	0.01	99.75
146.0-147.0	0.6	0.0	278.7	0.01	99.77
147.0-148.0	0.6	0.0	278.8	0.01	99.78
148.0-149.0	0.6	0.0	278.8	0.01	99.79
149.0-150.0	0.6	0.0	278.8	0.01	99.80
150.0-151.0	0.6	0.0	278.9	0.01	99.81
151.0-152.0	0.6	0.0	278.9	0.01	99.83
152.0-153.0	0.6	0.0	278.9	0.01	99.84
153.0-154.0	0.6	0.0	278.9	0.01	99.85
154.0-155.0	0.6	0.0	279.0	0.01	99.86
155.0-156.0	0.6	0.0	279.0	0.01	99.87
156.0-157.0	0.6	0.0	279.0	0.01	99.88
157.0-158.0	0.6	0.0	279.1	0.01	99.89
158.0-159.0	0.6	0.0	279.1	0.01	99.90
159.0-160.0	0.6	0.0	279.1	0.01	99.91
160.0-161.0	0.6	0.0	279.1	0.01	99.92
161.0-162.0	0.7	0.0	279.2	0.01	99.92
162.0-163.0	0.7	0.0	279.2	0.01	99.93
163.0-164.0	0.7	0.0	279.2	0.01	99.94
164.0-165.0	0.7	0.0	279.2	0.01	99.95
165.0-166.0	0.7	0.0	279.2	0.01	99.95
166.0-167.0	0.7	0.0	279.3	0.01	99.96
167.0-168.0	0.7	0.0	279.3	0.01	99.97
168.0-169.0	0.7	0.0	279.3	0.01	99.97
169.0-170.0	0.7	0.0	279.3	0.00	99.98
170.0-171.0	0.7	0.0	279.3	0.00	99.98
171.0-172.0	0.7	0.0	279.3	0.00	99.98
172.0-173.0	0.7	0.0	279.3	0.00	99.99
173.0-174.0	0.7	0.0	279.3	0.00	99.99
174.0-175.0	0.7	0.0	279.4	0.00	99.99
175.0-176.0	0.7	0.0	279.4	0.00	100.00
176.0-177.0	0.7	0.0	279.4	0.00	100.00
177.0-178.0	0.7	0.0	279.4	0.00	100.00
178.0-179.0	0.7	0.0	279.4	0.00	100.00
179.0-180.0	0.7	0.0	279.4	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: