

Report No.:

Test Time: 2021/2/4 10:03

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHAR25MRB90SWS2203.030

Lamp Description: RB90SWS2203.030

Number of Lamps: 2ROW

Luminous Length (mm): 500

Luminous Width (mm): 44.4

Luminous Height (mm): 24

Voltage: 24.0 V

Current: 0.438 A

Power: 10.52 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 428.6 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H160.8,H111.8

Vertical Diffuse Angle(10%,50%): V162.8,V111.9

Luminaire Efficacy Rating (LER): 41

Max. Intensity: 149.79 cd

Total Rated Lamp Lumens: 428.6 lm

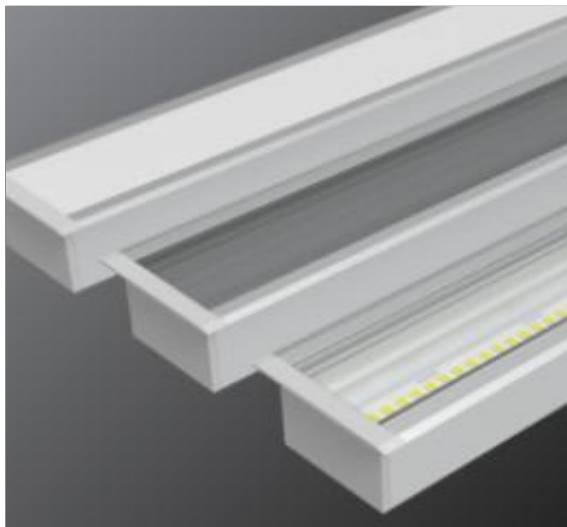
Efficiency: 100%

Upward Ratio: 1%

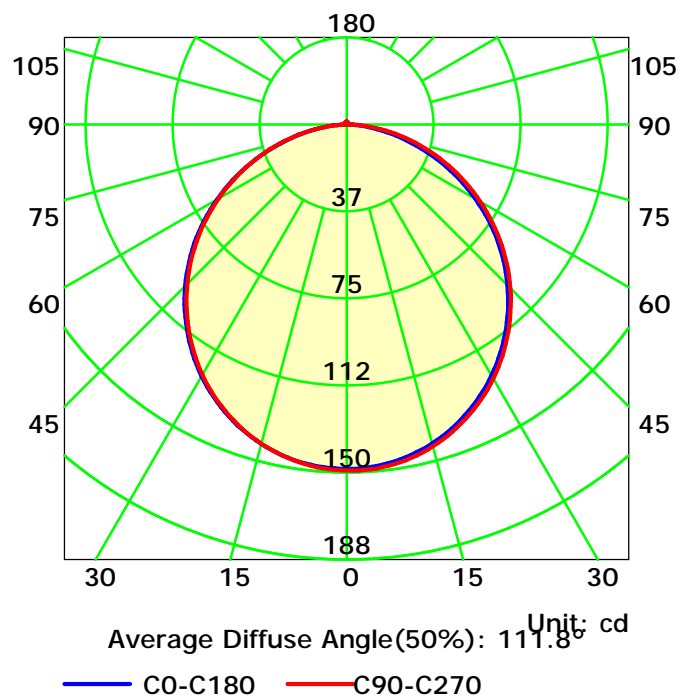
Central Intensity: 148.85 cd

Pos of Max. Intensity: H150 V1

Picture Of Luminaire



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

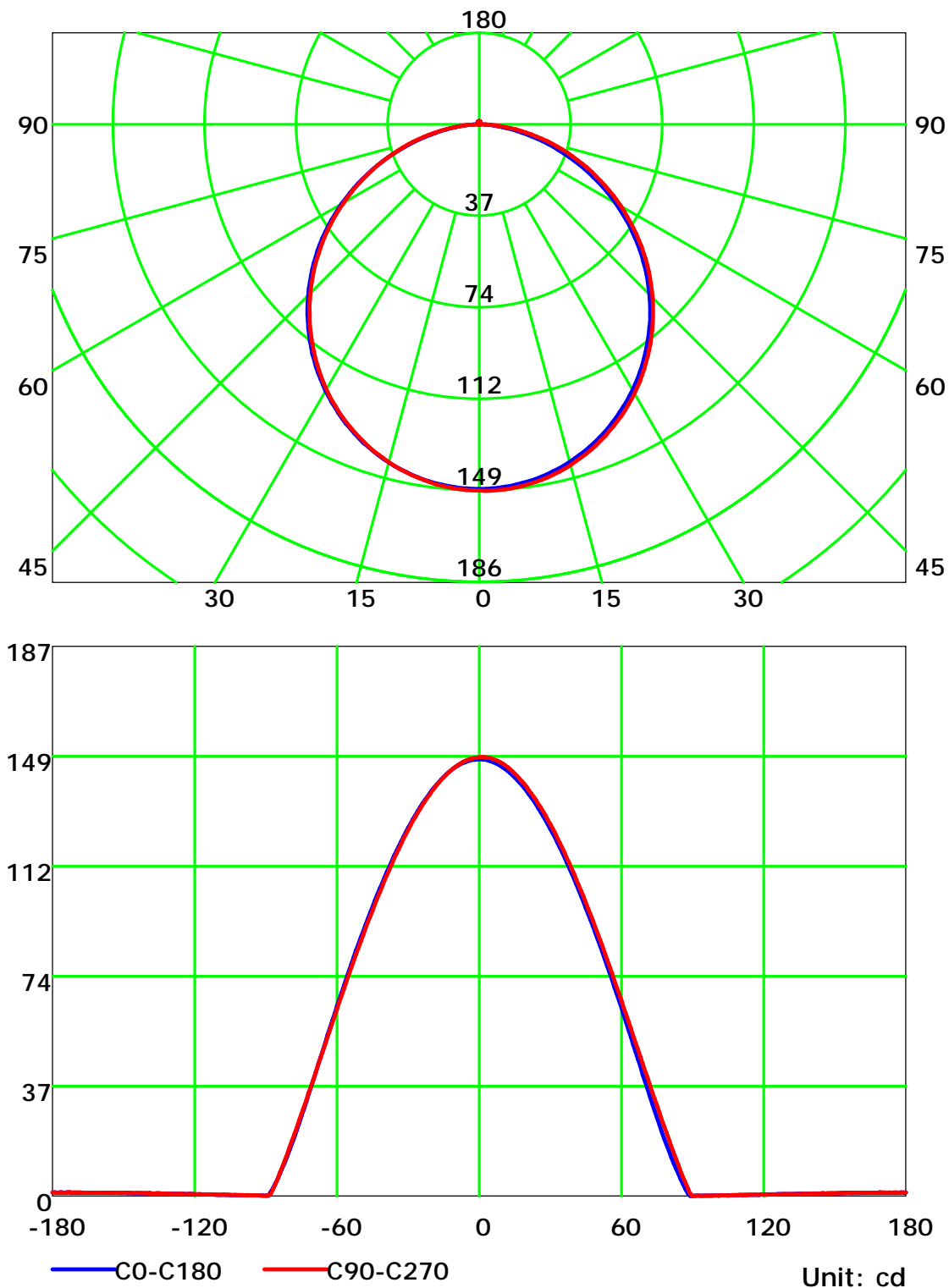
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

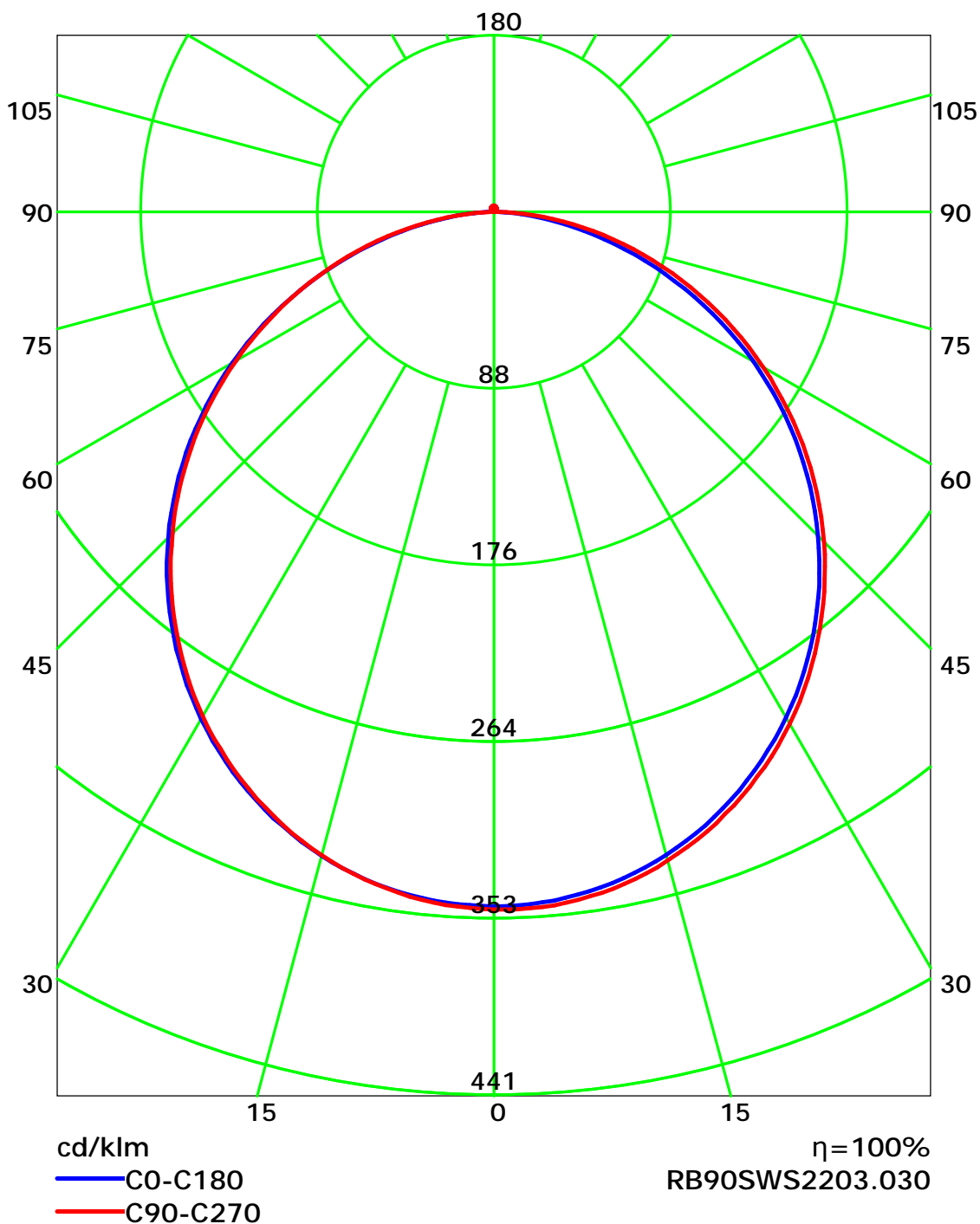
Luminous Intensity Distribution Curve



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:

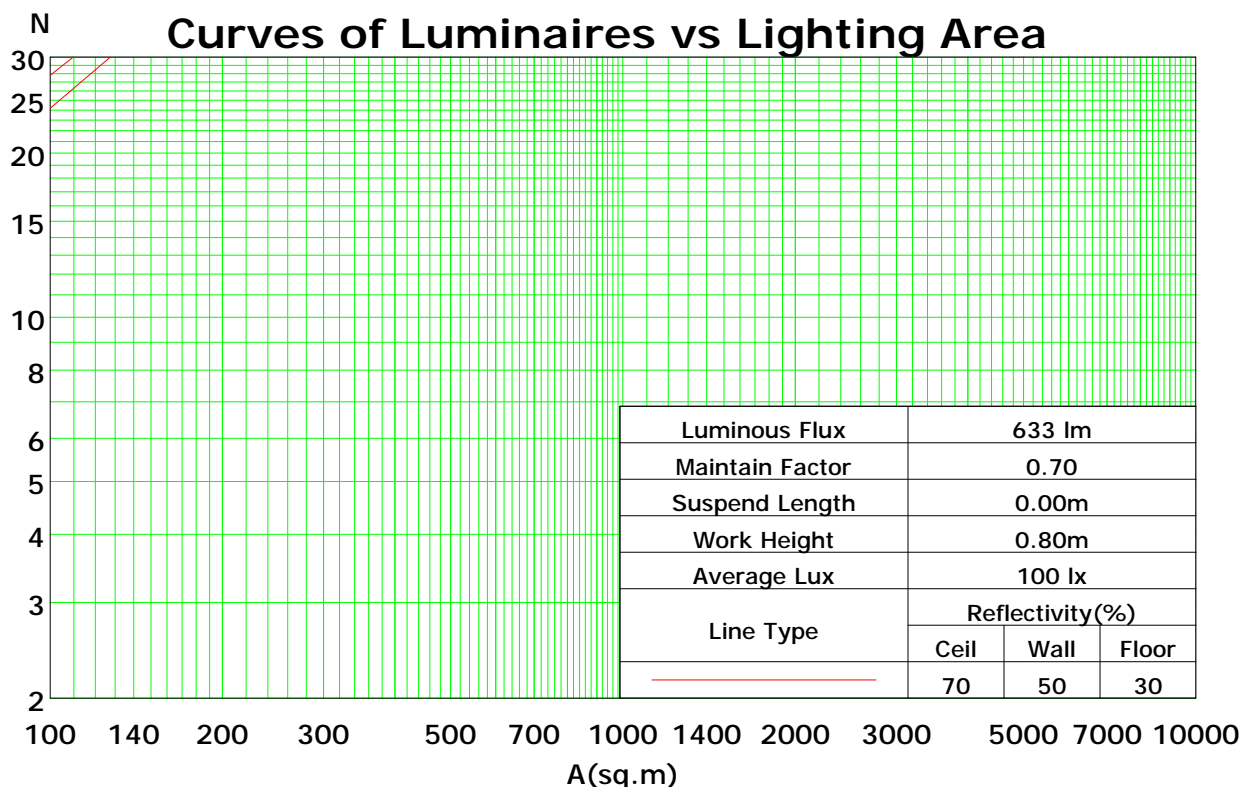
Coefficients Of Utilization - Zonal Cavity Method

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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	64	74	68	63	71	66	61	69	64	60	58
4	82	70	61	55	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	76	63	54	47	73	61	53	47	59	52	46	57	51	45	55	49	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.25

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

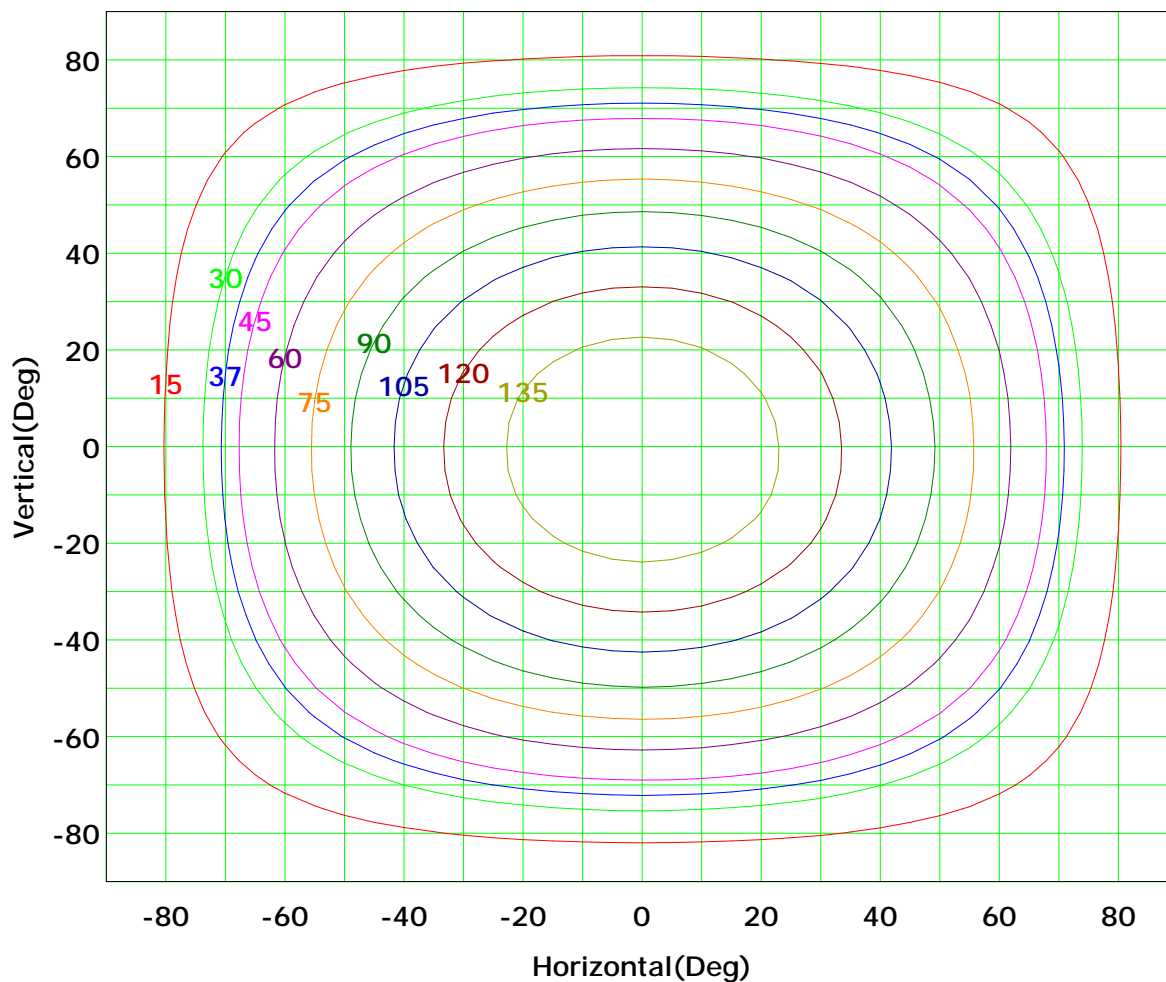
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



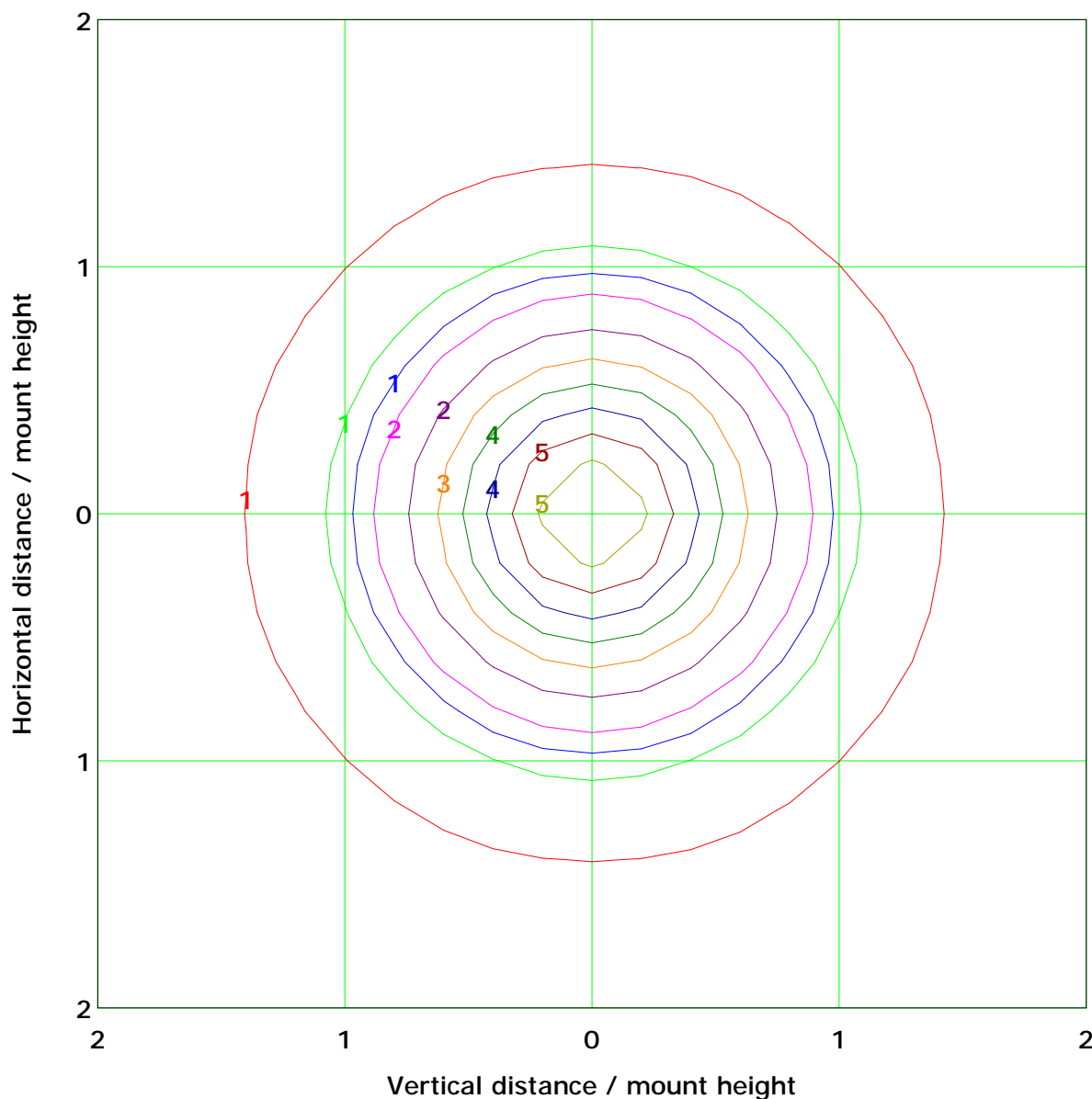
I_{max} (100%): 150 cd

(10%):	15 cd	(20%):	30 cd
(25%):	37 cd	(30%):	45 cd
(40%):	60 cd	(50%):	75 cd
(60%):	90 cd	(70%):	105 cd
(80%):	120 cd	(90%):	135 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

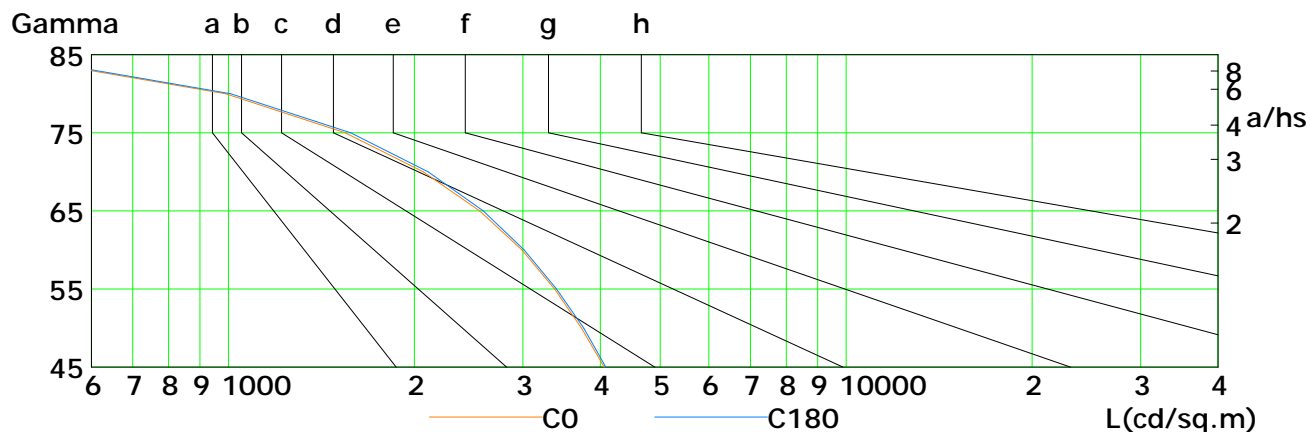


Mounting Height: 5.0m Max Lux(100%): 6.0 lx	
(10%): 0.6 lx	(20%): 1.2 lx
(25%): 1.5 lx	(30%): 1.8 lx
(40%): 2.4 lx	(50%): 3.0 lx
(60%): 3.6 lx	(70%): 4.2 lx
(80%): 4.8 lx	(90%): 5.4 lx

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:

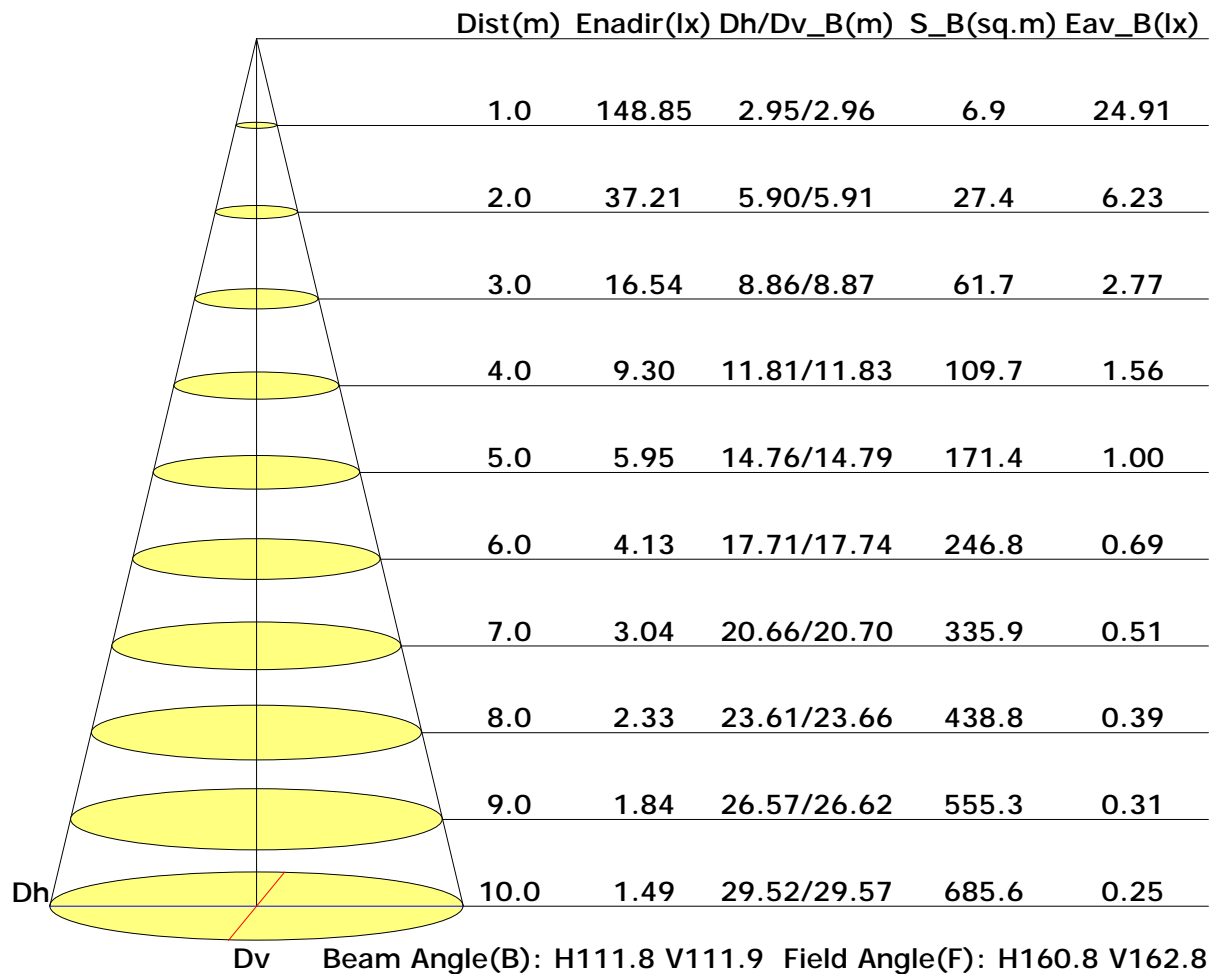
Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4060	3731	3376	2989	2551	2069	1546	990	424
C90	6082	5931	5754	5546	5285	4966	4561	3931	2840
C180	4083	3760	3398	3013	2586	2106	1578	1009	438
C270	5925	5758	5557	5307	5012	4633	4156	3423	2072

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

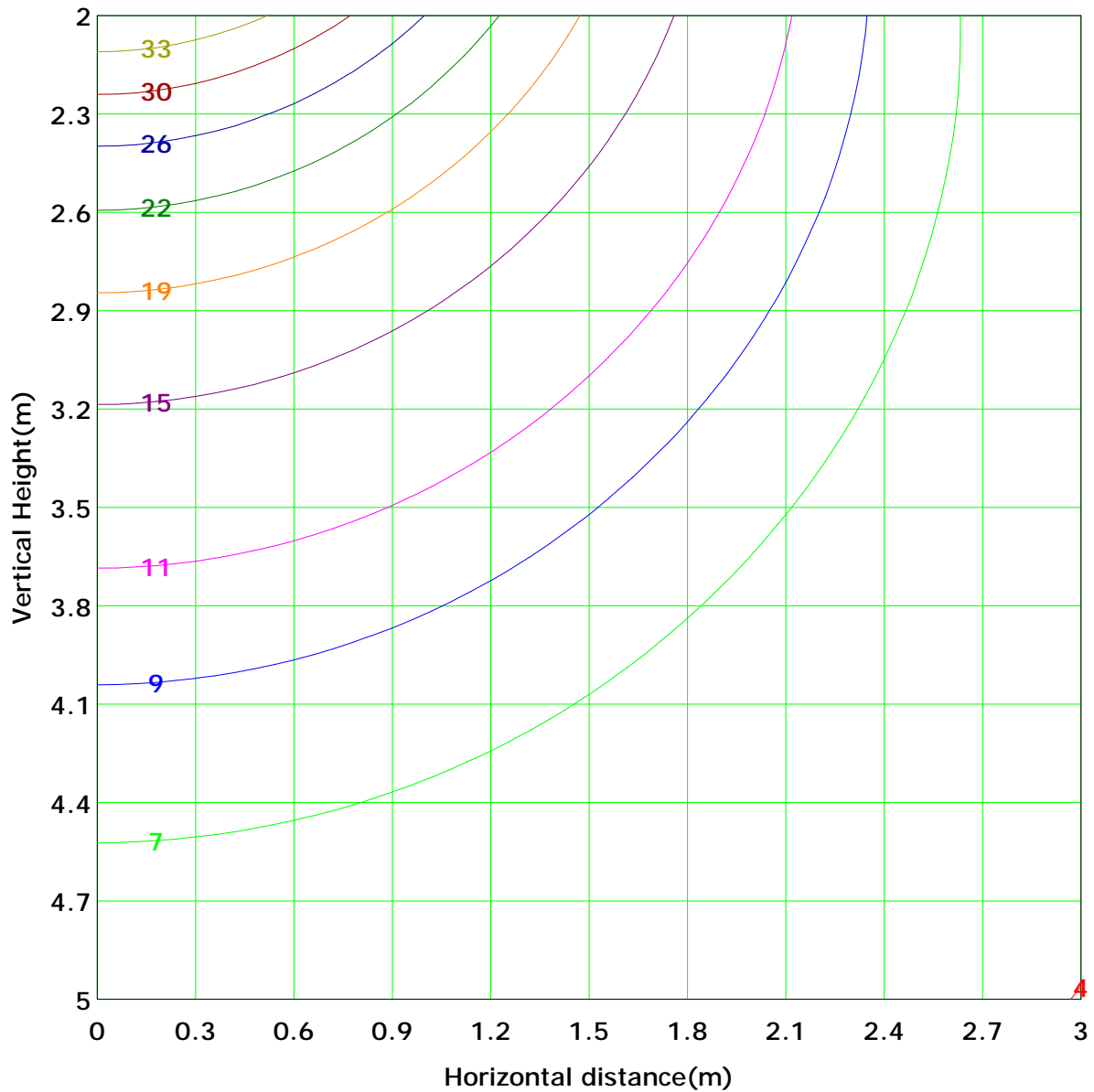
Illuminance at a Distance



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: 37.2 lx
(10%): 3.7 lx	(20%): 7.4 lx	
(25%): 9.3 lx	(30%): 11.2 lx	
(40%): 14.9 lx	(50%): 18.6 lx	
(60%): 22.3 lx	(70%): 26.0 lx	
(80%): 29.8 lx	(90%): 33.5 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

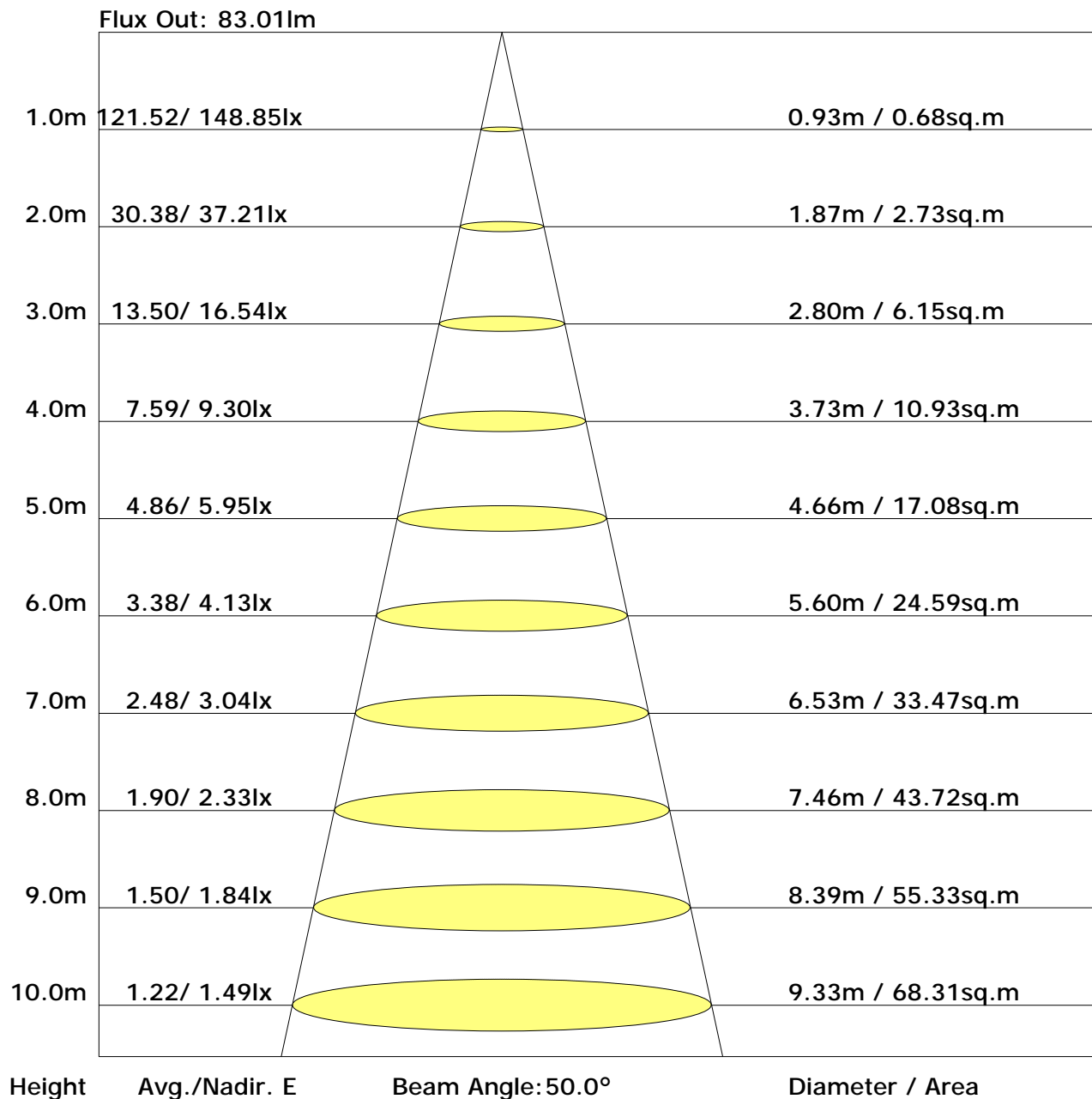
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.3	0.0
		0.0	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.5	0.4	0.0	0.0	2.4	1.9
		0.0	0.1	0.2	0.4	0.7	1.0	1.3	1.5	1.6	1.6	1.5	1.3	1.3	1.3	1.1	0.8	0.3	0.0	0.0	7.2	6.8
		0.0	0.1	0.3	0.7	1.1	1.5	1.8	2.1	2.3	2.3	2.1	1.8	1.9	1.7	1.4	0.9	0.4	0.0	0.0	14.4	14.0
		0.0	0.1	0.4	0.9	1.4	1.9	2.4	2.7	2.9	3.5	3.7	4.0	4.3	4.0	3.1	2.0	0.9	0.2	0.0	22.9	22.5
		0.0	0.2	0.5	1.0	1.7	2.3	2.9	3.3	3.5	4.0	4.2	4.5	4.5	4.3	3.8	2.8	1.4	0.2	0.0	31.7	31.3
		0.0	0.2	0.6	1.2	1.9	2.6	3.2	3.7	4.0	4.3	4.5	4.5	4.3	4.0	3.3	2.5	1.4	0.7	0.0	39.5	39.2
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.5	4.5	4.2	4.2	4.0	3.3	2.8	1.7	0.9	0.0	45.5	45.1
		0.0	0.2	0.7	1.3	2.1	2.9	3.6	4.2	4.5	4.5	4.2	3.6	3.6	3.5	2.9	2.3	1.1	0.7	0.0	48.7	48.4
		0.0	0.2	0.7	1.3	2.1	2.9	3.6	4.2	4.5	4.5	4.2	3.6	3.3	3.3	2.8	2.2	1.1	0.7	0.0	48.7	48.3
		0.0	0.2	0.7	1.3	2.1	2.9	3.6	4.2	4.5	4.5	4.2	3.6	3.3	3.3	2.8	2.2	1.1	0.7	0.0	45.4	45.1
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	39.5	39.1
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	31.6	31.2
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	22.8	22.4
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	14.2	13.9
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	7.1	6.7
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	2.3	1.9
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	0.2	0.0
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	424	418
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	2.2	0.4
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	7.9	7.2
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	14.2	14.0
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	20.5	20.3
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	26.2	26.2
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	31.2	31.2
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	35.2	35.1
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	37.9	37.8
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	39.2	39.1
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	39.0	39.0
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	37.6	37.5
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	34.8	34.7
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	30.7	30.6
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	25.6	25.5
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	19.8	19.6
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	13.5	13.2
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	7.2	6.4
		0.0	0.2	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	3.5	3.2	2.9	2.3	1.4	0.4	0.0	0.0	0.1

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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



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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	20.2	21.8	20.6	22.2	22.5	19.3	20.9	19.7	21.2	21.6
3H	21.9	23.4	22.3	23.7	24.1	20.8	22.3	21.2	22.6	23.0
4H	22.5	23.9	22.9	24.3	24.7	21.3	22.7	21.7	23.1	23.5
6H	22.9	24.2	23.3	24.6	25.0	21.7	22.9	22.1	23.3	23.7
8H	23.0	24.2	23.5	24.7	25.1	21.7	23.0	22.2	23.4	23.8
12H	23.1	24.2	23.5	24.7	25.1	21.8	22.9	22.2	23.3	23.8
X=4H Y=2H	20.6	22.0	21.0	22.4	22.8	19.9	21.3	20.3	21.7	22.1
3H	22.5	23.7	22.9	24.1	24.5	21.6	22.8	22.1	23.2	23.6
4H	23.2	24.3	23.7	24.7	25.1	22.2	23.3	22.7	23.7	24.2
6H	23.7	24.6	24.2	25.1	25.6	22.7	23.6	23.1	24.0	24.5
8H	23.9	24.7	24.3	25.2	25.7	22.8	23.6	23.3	24.1	24.6
12H	23.9	24.7	24.4	25.2	25.7	22.8	23.6	23.3	24.1	24.6
X=8H Y=4H	23.4	24.2	23.8	24.7	25.2	22.5	23.4	23.0	23.8	24.3
6H	23.9	24.6	24.4	25.2	25.7	23.0	23.7	23.5	24.2	24.7
8H	24.1	24.8	24.6	25.3	25.8	23.2	23.8	23.7	24.3	24.8
12H	24.2	24.8	24.8	25.3	25.9	23.3	23.8	23.8	24.3	24.9
X=12H Y=4H	23.4	24.1	23.9	24.6	25.1	22.5	23.3	23.0	23.8	24.3
6H	24.0	24.6	24.5	25.1	25.6	23.1	23.7	23.6	24.2	24.7
8H	24.2	24.7	24.7	25.2	25.8	23.2	23.8	23.8	24.3	24.9

Calculate in accordance with CIE 190:2010

 C Plane (°):0.0-360.0: 30.0
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 Temperature: 25
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 Gamma Plane (°):0.0-180.0:1.0
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 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	0.56	0.67	0.74	0.79	0.87	0.92	0.95	1.00	1.03
	0.30		0.48	0.59	0.67	0.72	0.80	0.86	0.90	0.96	0.99
	0.20		0.43	0.53	0.61	0.67	0.75	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.96	0.99
	0.30		0.47	0.58	0.65	0.70	0.78	0.83	0.87	0.92	0.96
	0.20		0.42	0.52	0.60	0.65	0.74	0.79	0.84	0.89	0.93
0.30	0.50	0.20	0.53	0.62	0.69	0.74	0.80	0.85	0.88	0.92	0.95
	0.30		0.47	0.56	0.63	0.69	0.76	0.81	0.84	0.89	0.92
	0.20		0.42	0.52	0.59	0.64	0.72	0.77	0.81	0.87	0.90
0.00	0.00	0.00	0.40	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85
Rating: 11W 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	1.00	0.83	0.70	0.61	0.49	0.41	0.35	0.27	0.22	
	0.30		0.84	0.71	0.61	0.54	0.44	0.37	0.32	0.25	0.21	
	0.20		0.72	0.62	0.54	0.49	0.40	0.34	0.30	0.24	0.20	
0.50	0.50	0.20	0.96	0.79	0.67	0.59	0.47	0.42	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		0.71	0.61	0.53	0.48	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.94	0.76	0.65	0.56	0.45	0.37	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	0.60	0.52	0.47	0.38	0.32	0.28	0.22	0.18	
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.17	0.14	
Rating: 11W 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	0.22	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		0.05	0.07	0.09	0.10	0.12	0.13	0.14	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		0.05	0.07	0.08	0.10	0.11	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: 11W 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	149.4	0.1	0.1	0.03	0.03
1.0-2.0	149.3	0.4	0.6	0.10	0.13
2.0-3.0	149.2	0.7	1.3	0.17	0.30
3.0-4.0	149.0	1.0	2.3	0.23	0.53
4.0-5.0	148.8	1.3	3.6	0.30	0.83
5.0-6.0	148.6	1.6	5.1	0.36	1.20
6.0-7.0	148.2	1.8	7.0	0.43	1.63
7.0-8.0	147.8	2.1	9.1	0.49	2.12
8.0-9.0	147.4	2.4	11.5	0.56	2.68
9.0-10.0	146.9	2.7	14.1	0.62	3.30
10.0-11.0	146.4	2.9	17.1	0.68	3.98
11.0-12.0	145.8	3.2	20.2	0.74	4.72
12.0-13.0	145.1	3.4	23.7	0.80	5.53
13.0-14.0	144.4	3.7	27.4	0.86	6.39
14.0-15.0	143.7	3.9	31.3	0.92	7.31
15.0-16.0	142.9	4.2	35.5	0.98	8.29
16.0-17.0	142.0	4.4	39.9	1.03	9.32
17.0-18.0	141.1	4.7	44.6	1.09	10.40
18.0-19.0	140.1	4.9	49.5	1.14	11.54
19.0-20.0	139.1	5.1	54.6	1.19	12.73
20.0-21.0	138.0	5.3	59.9	1.24	13.97
21.0-22.0	136.9	5.5	65.4	1.28	15.25
22.0-23.0	135.8	5.7	71.1	1.33	16.58
23.0-24.0	134.6	5.9	76.9	1.37	17.95
24.0-25.0	133.3	6.1	83.0	1.41	19.37
25.0-26.0	132.0	6.2	89.2	1.45	20.82
26.0-27.0	130.7	6.4	95.6	1.49	22.32
27.0-28.0	129.3	6.5	102.2	1.53	23.84
28.0-29.0	127.9	6.7	108.9	1.56	25.41
29.0-30.0	126.5	6.8	115.7	1.59	27.00
30.0-31.0	125.0	7.0	122.7	1.62	28.62
31.0-32.0	123.4	7.1	129.7	1.65	30.27
32.0-33.0	121.8	7.2	136.9	1.67	31.95
33.0-34.0	120.2	7.3	144.2	1.70	33.64
34.0-35.0	118.5	7.4	151.5	1.72	35.36
35.0-36.0	116.8	7.4	159.0	1.74	37.10

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 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	115.0	7.5	166.5	1.75	38.85
37.0-38.0	113.2	7.6	174.0	1.76	40.61
38.0-39.0	111.4	7.6	181.7	1.77	42.38
39.0-40.0	109.6	7.6	189.3	1.78	44.17
40.0-41.0	107.7	7.7	197.0	1.79	45.96
41.0-42.0	105.7	7.7	204.6	1.79	47.75
42.0-43.0	103.8	7.7	212.3	1.79	49.54
43.0-44.0	101.8	7.7	220.0	1.79	51.34
44.0-45.0	99.8	7.7	227.7	1.79	53.13
45.0-46.0	97.7	7.6	235.3	1.78	54.91
46.0-47.0	95.6	7.6	242.9	1.77	56.68
47.0-48.0	93.5	7.6	250.5	1.76	58.45
48.0-49.0	91.4	7.5	258.0	1.75	60.20
49.0-50.0	89.2	7.4	265.4	1.74	61.93
50.0-51.0	87.0	7.4	272.8	1.72	63.65
51.0-52.0	84.8	7.3	280.1	1.70	65.35
52.0-53.0	82.5	7.2	287.2	1.67	67.02
53.0-54.0	80.2	7.1	294.3	1.65	68.67
54.0-55.0	77.9	7.0	301.3	1.62	70.30
55.0-56.0	75.6	6.8	308.1	1.59	71.89
56.0-57.0	73.3	6.7	314.8	1.56	73.46
57.0-58.0	70.9	6.6	321.4	1.53	74.99
58.0-59.0	68.5	6.4	327.8	1.50	76.48
59.0-60.0	66.1	6.3	334.0	1.46	77.94
60.0-61.0	63.7	6.1	340.1	1.42	79.36
61.0-62.0	61.3	5.9	346.0	1.38	80.74
62.0-63.0	58.9	5.7	351.8	1.34	82.07
63.0-64.0	56.4	5.5	357.3	1.29	83.37
64.0-65.0	54.0	5.3	362.6	1.25	84.61
65.0-66.0	51.5	5.1	367.8	1.20	85.81
66.0-67.0	49.1	4.9	372.7	1.15	86.96
67.0-68.0	46.6	4.7	377.4	1.10	88.07
68.0-69.0	44.2	4.5	381.9	1.05	89.12
69.0-70.0	41.7	4.3	386.2	1.00	90.12
70.0-71.0	39.3	4.1	390.3	0.95	91.07
71.0-72.0	36.9	3.8	394.1	0.89	91.96

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	34.4	3.6	397.7	0.84	92.80
73.0-74.0	32.0	3.4	401.1	0.79	93.59
74.0-75.0	29.7	3.1	404.2	0.73	94.32
75.0-76.0	27.3	2.9	407.1	0.68	94.99
76.0-77.0	25.0	2.7	409.8	0.62	95.61
77.0-78.0	22.7	2.4	412.2	0.57	96.18
78.0-79.0	20.4	2.2	414.4	0.51	96.69
79.0-80.0	18.2	2.0	416.4	0.46	97.15
80.0-81.0	16.0	1.7	418.1	0.40	97.55
81.0-82.0	13.8	1.5	419.6	0.35	97.90
82.0-83.0	11.7	1.3	420.9	0.30	98.20
83.0-84.0	9.7	1.1	421.9	0.25	98.45
84.0-85.0	7.8	0.8	422.8	0.20	98.65
85.0-86.0	5.9	0.6	423.4	0.15	98.80
86.0-87.0	4.1	0.4	423.9	0.10	98.90
87.0-88.0	2.4	0.3	424.1	0.06	98.96
88.0-89.0	1.0	0.1	424.2	0.03	98.99
89.0-90.0	0.3	0.0	424.3	0.01	98.99
90.0-91.0	0.2	0.0	424.3	0.01	99.00
91.0-92.0	0.2	0.0	424.3	0.01	99.01
92.0-93.0	0.2	0.0	424.4	0.01	99.01
93.0-94.0	0.2	0.0	424.4	0.01	99.02
94.0-95.0	0.3	0.0	424.4	0.01	99.02
95.0-96.0	0.3	0.0	424.4	0.01	99.03
96.0-97.0	0.3	0.0	424.5	0.01	99.04
97.0-98.0	0.3	0.0	424.5	0.01	99.05
98.0-99.0	0.3	0.0	424.5	0.01	99.05
99.0-100.0	0.3	0.0	424.6	0.01	99.06
100.0-101.0	0.3	0.0	424.6	0.01	99.07
101.0-102.0	0.4	0.0	424.6	0.01	99.08
102.0-103.0	0.4	0.0	424.7	0.01	99.09
103.0-104.0	0.4	0.0	424.7	0.01	99.10
104.0-105.0	0.4	0.0	424.8	0.01	99.11
105.0-106.0	0.4	0.0	424.8	0.01	99.12
106.0-107.0	0.4	0.0	424.9	0.01	99.13
107.0-108.0	0.5	0.0	424.9	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	0.5	0.1	425.0	0.01	99.15
109.0-110.0	0.5	0.1	425.0	0.01	99.17
110.0-111.0	0.5	0.1	425.1	0.01	99.18
111.0-112.0	0.5	0.1	425.1	0.01	99.19
112.0-113.0	0.5	0.1	425.2	0.01	99.20
113.0-114.0	0.5	0.1	425.2	0.01	99.22
114.0-115.0	0.6	0.1	425.3	0.01	99.23
115.0-116.0	0.6	0.1	425.3	0.01	99.24
116.0-117.0	0.6	0.1	425.4	0.01	99.26
117.0-118.0	0.6	0.1	425.5	0.01	99.27
118.0-119.0	0.6	0.1	425.5	0.01	99.28
119.0-120.0	0.7	0.1	425.6	0.01	99.30
120.0-121.0	0.7	0.1	425.6	0.01	99.31
121.0-122.0	0.7	0.1	425.7	0.02	99.33
122.0-123.0	0.7	0.1	425.8	0.02	99.34
123.0-124.0	0.7	0.1	425.8	0.02	99.36
124.0-125.0	0.7	0.1	425.9	0.02	99.37
125.0-126.0	0.8	0.1	426.0	0.02	99.39
126.0-127.0	0.8	0.1	426.0	0.02	99.41
127.0-128.0	0.8	0.1	426.1	0.02	99.42
128.0-129.0	0.8	0.1	426.2	0.02	99.44
129.0-130.0	0.8	0.1	426.2	0.02	99.45
130.0-131.0	0.8	0.1	426.3	0.02	99.47
131.0-132.0	0.8	0.1	426.4	0.02	99.49
132.0-133.0	0.9	0.1	426.4	0.02	99.50
133.0-134.0	0.9	0.1	426.5	0.02	99.52
134.0-135.0	0.9	0.1	426.6	0.02	99.53
135.0-136.0	0.9	0.1	426.7	0.02	99.55
136.0-137.0	0.9	0.1	426.7	0.02	99.57
137.0-138.0	0.9	0.1	426.8	0.02	99.58
138.0-139.0	0.9	0.1	426.9	0.02	99.60
139.0-140.0	1.0	0.1	426.9	0.02	99.62
140.0-141.0	1.0	0.1	427.0	0.02	99.63
141.0-142.0	1.0	0.1	427.1	0.02	99.65
142.0-143.0	1.0	0.1	427.1	0.02	99.66
143.0-144.0	1.0	0.1	427.2	0.02	99.68

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	1.0	0.1	427.3	0.02	99.69
145.0-146.0	1.1	0.1	427.3	0.02	99.71
146.0-147.0	1.0	0.1	427.4	0.01	99.72
147.0-148.0	1.1	0.1	427.5	0.01	99.74
148.0-149.0	1.1	0.1	427.5	0.01	99.75
149.0-150.0	1.1	0.1	427.6	0.01	99.77
150.0-151.0	1.1	0.1	427.6	0.01	99.78
151.0-152.0	1.1	0.1	427.7	0.01	99.79
152.0-153.0	1.1	0.1	427.8	0.01	99.81
153.0-154.0	1.1	0.1	427.8	0.01	99.82
154.0-155.0	1.1	0.1	427.9	0.01	99.83
155.0-156.0	1.2	0.1	427.9	0.01	99.84
156.0-157.0	1.2	0.1	428.0	0.01	99.86
157.0-158.0	1.2	0.0	428.0	0.01	99.87
158.0-159.0	1.2	0.0	428.1	0.01	99.88
159.0-160.0	1.2	0.0	428.1	0.01	99.89
160.0-161.0	1.2	0.0	428.2	0.01	99.90
161.0-162.0	1.2	0.0	428.2	0.01	99.91
162.0-163.0	1.2	0.0	428.2	0.01	99.92
163.0-164.0	1.2	0.0	428.3	0.01	99.93
164.0-165.0	1.2	0.0	428.3	0.01	99.94
165.0-166.0	1.2	0.0	428.3	0.01	99.94
166.0-167.0	1.2	0.0	428.4	0.01	99.95
167.0-168.0	1.3	0.0	428.4	0.01	99.96
168.0-169.0	1.3	0.0	428.4	0.01	99.97
169.0-170.0	1.3	0.0	428.5	0.01	99.97
170.0-171.0	1.3	0.0	428.5	0.01	99.98
171.0-172.0	1.3	0.0	428.5	0.00	99.98
172.0-173.0	1.3	0.0	428.5	0.00	99.99
173.0-174.0	1.3	0.0	428.5	0.00	99.99
174.0-175.0	1.3	0.0	428.6	0.00	99.99
175.0-176.0	1.3	0.0	428.6	0.00	100.00
176.0-177.0	1.3	0.0	428.6	0.00	100.00
177.0-178.0	1.3	0.0	428.6	0.00	100.00
178.0-179.0	1.3	0.0	428.6	0.00	100.00
179.0-180.0	1.3	0.0	428.6	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: