

Report No.:

Test Time: 2020/11/18 11:52

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Contour 3.0

Luminaire Description: NEON+RB0VWS2203.0VW-9N-2200+6100

Lamp Catalog: 9N-22+61

Number of Lamps: 140

Luminous Width (mm): 8

Voltage: 24.0 V

Power: 4.90 W

Lamp Description: 35272IN1 2200+6100K

Luminous Length (mm): 500

Luminous Height (mm): 12

Current: 0.204 A

Power Factor: 1.000

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 98.5 lm

Downward Ratio: 76%

Horizontal Diffuse Angle(10%,50%): H159.5,H107.8

Vertical Diffuse Angle(10%,50%): V273.6,V175.6

Luminaire Efficacy Rating (LER): 20

Max. Intensity: 25.66 cd

Total Rated Lamp Lumens: 98.5 lm

Efficiency: 100%

Upward Ratio: 24%

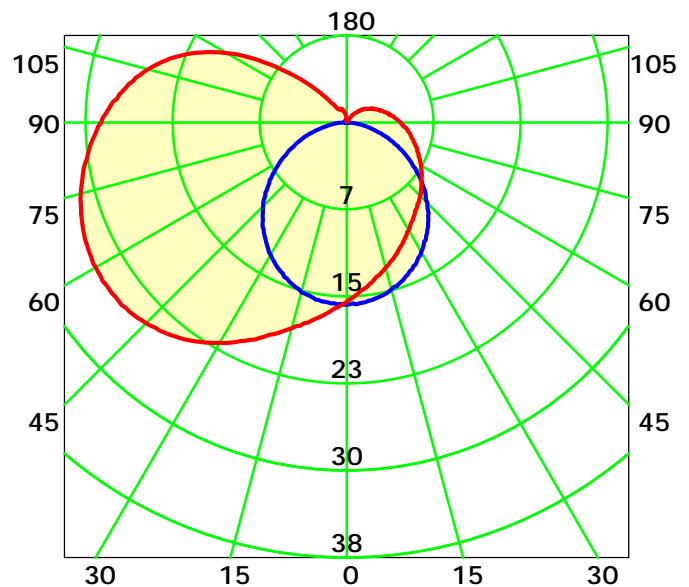
Central Intensity: 16.07 cd

Pos of Max. Intensity: H270 V57

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 141.7° 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

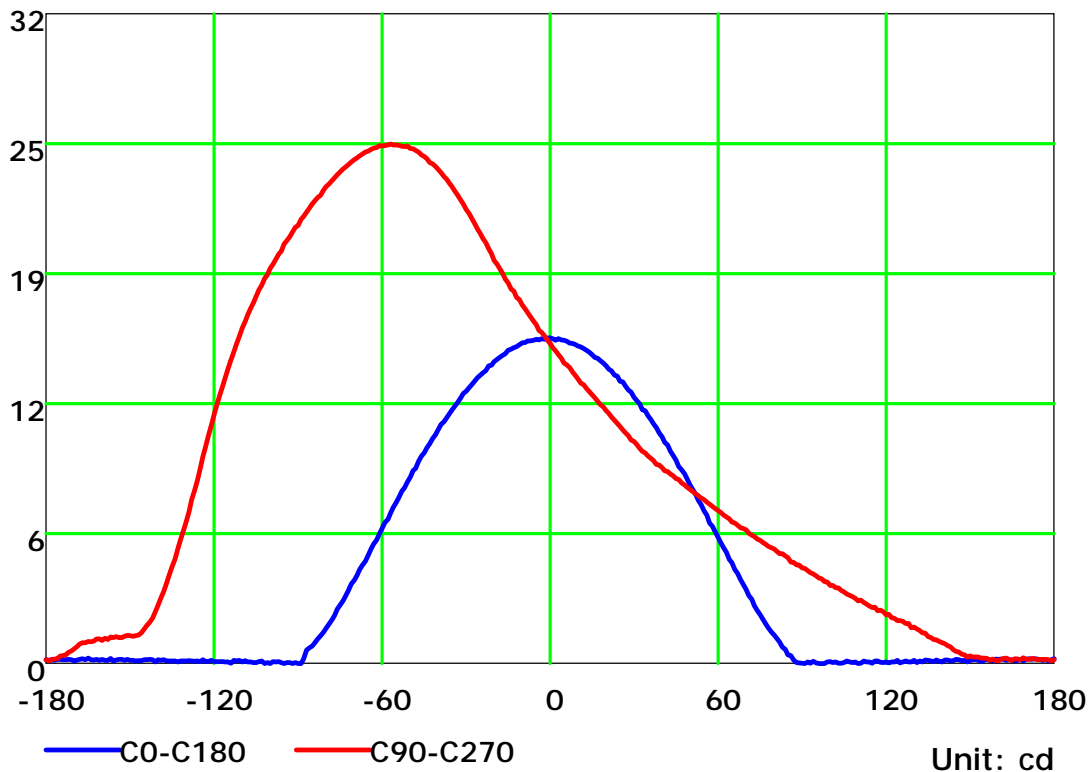
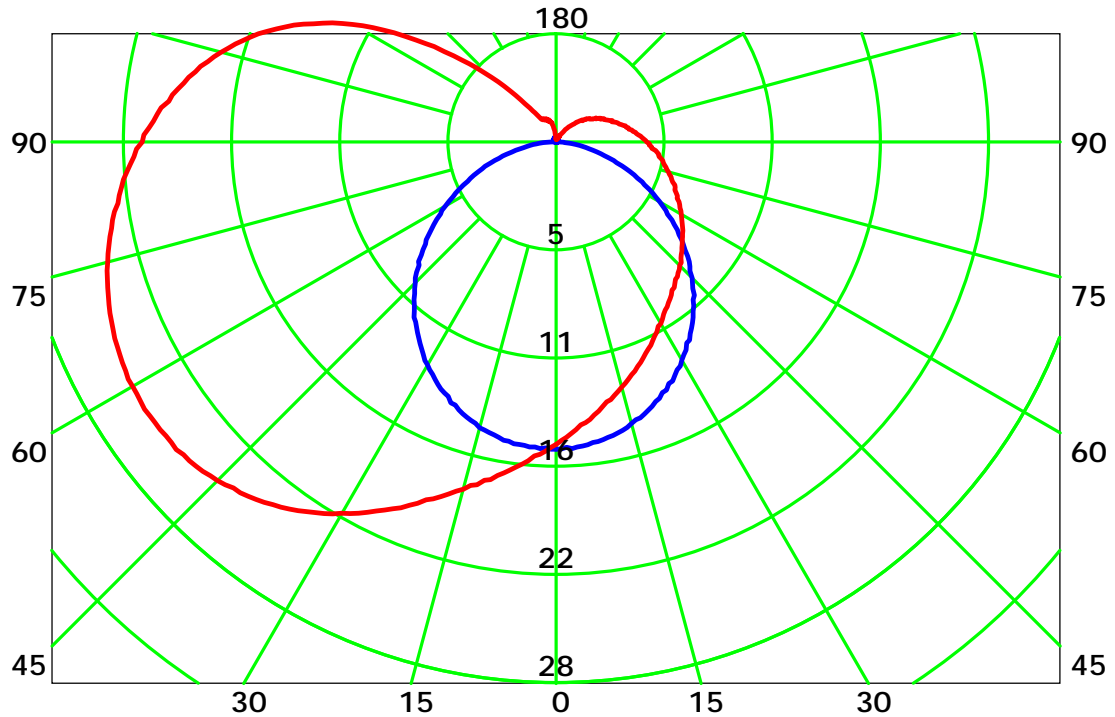
Test Device: GPM-1800B

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

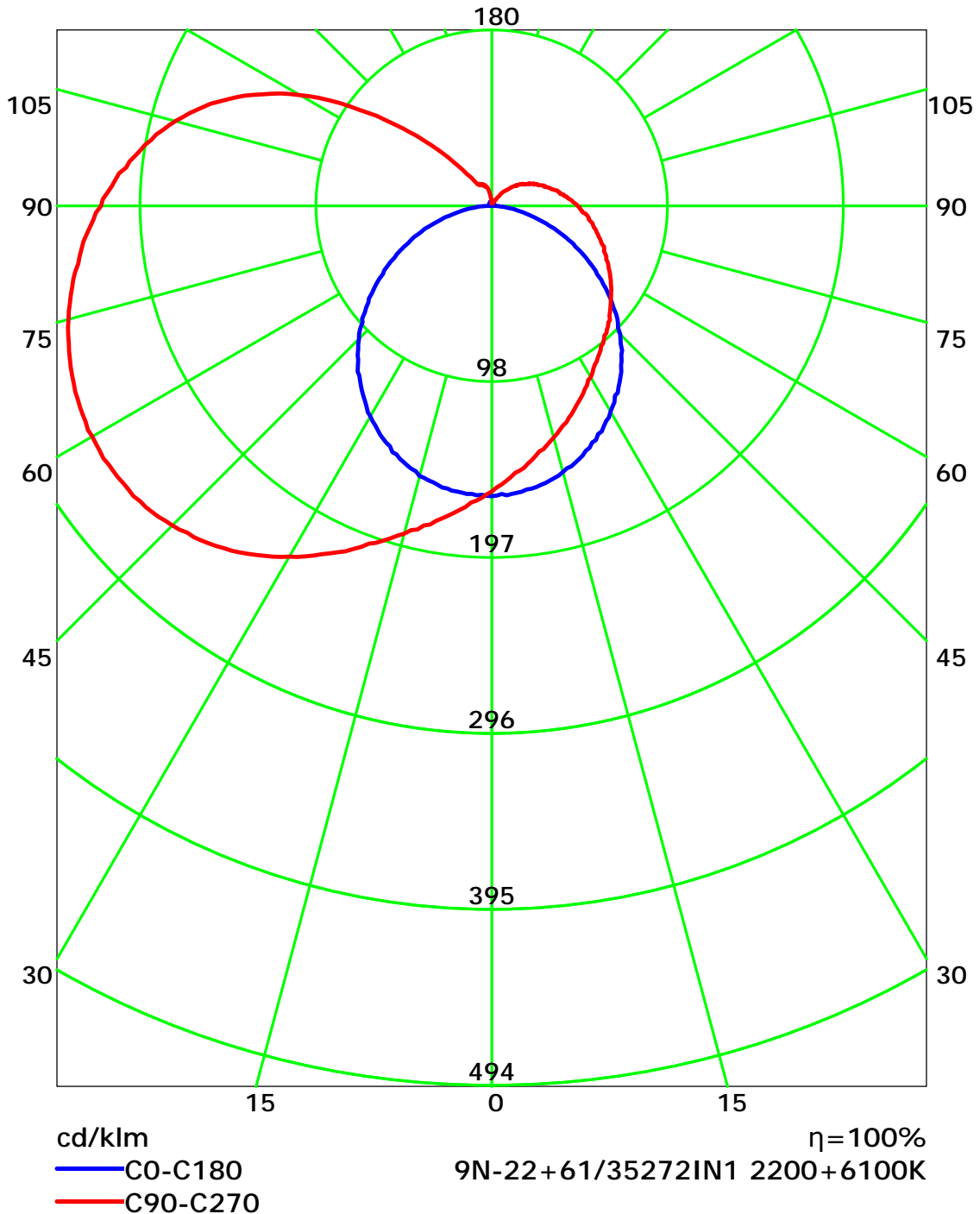
Test Device: GPM-1800B

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:

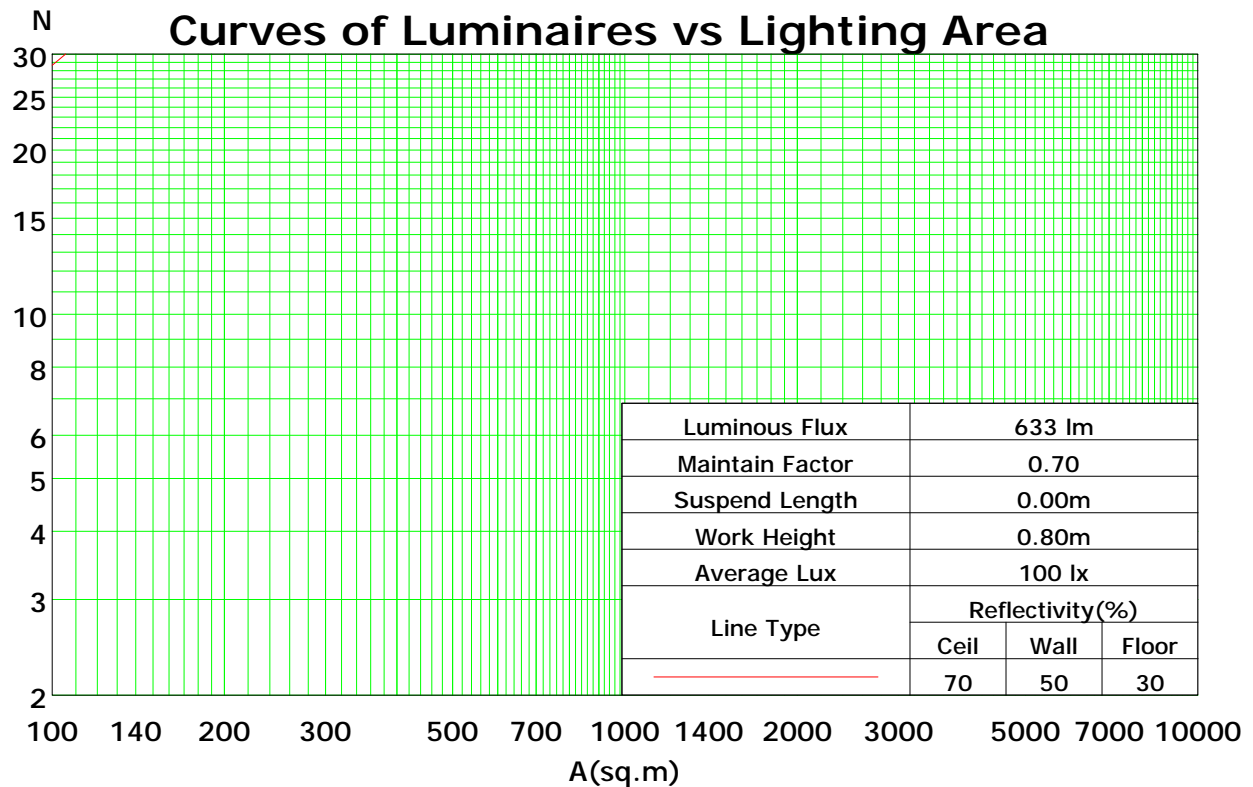
Coefficients Of Utilization - Zonal Cavity Method

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	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	76
1	99	93	87	82	94	88	83	78	79	75	71	71	68	65	64	61	59	55
2	89	79	70	63	83	75	67	61	67	61	56	60	55	51	54	50	46	43
3	80	68	58	51	75	64	56	49	58	51	45	52	46	41	46	42	38	34
4	72	59	49	42	68	56	47	40	51	43	37	45	39	34	41	35	31	28
5	66	52	42	35	62	50	41	34	45	37	31	40	34	29	36	31	26	24
6	61	47	37	30	57	44	36	29	40	33	27	36	30	25	32	27	23	20
7	56	42	33	26	53	40	31	25	36	29	23	33	26	22	29	24	20	18
8	52	38	29	23	49	36	28	22	33	26	21	30	24	19	27	22	18	15
9	49	35	26	20	46	33	25	20	30	23	18	27	21	17	25	20	16	14
10	45	32	24	18	43	30	23	18	28	21	16	25	19	15	23	18	14	12

Spacing Criteria (0-180): 1.23

Spacing Criteria (90-270): 1.63

Spacing Criteria (Diagonal): 1.58



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Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0

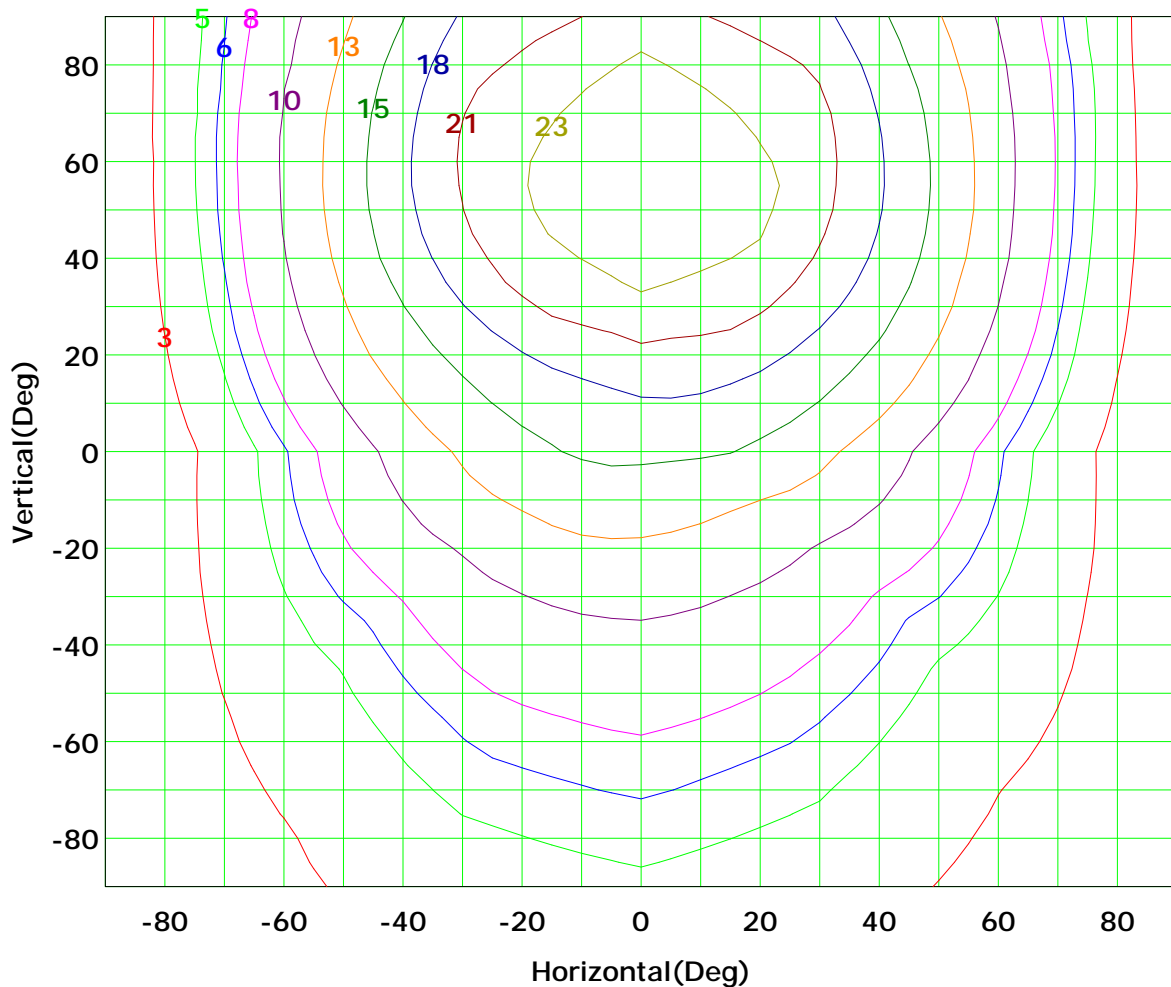
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



I_{max} (100%): 26 cd

(10%):	3 cd	(20%):	5 cd
(25%):	6 cd	(30%):	8 cd
(40%):	10 cd	(50%):	13 cd
(60%):	15 cd	(70%):	18 cd
(80%):	21 cd	(90%):	23 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

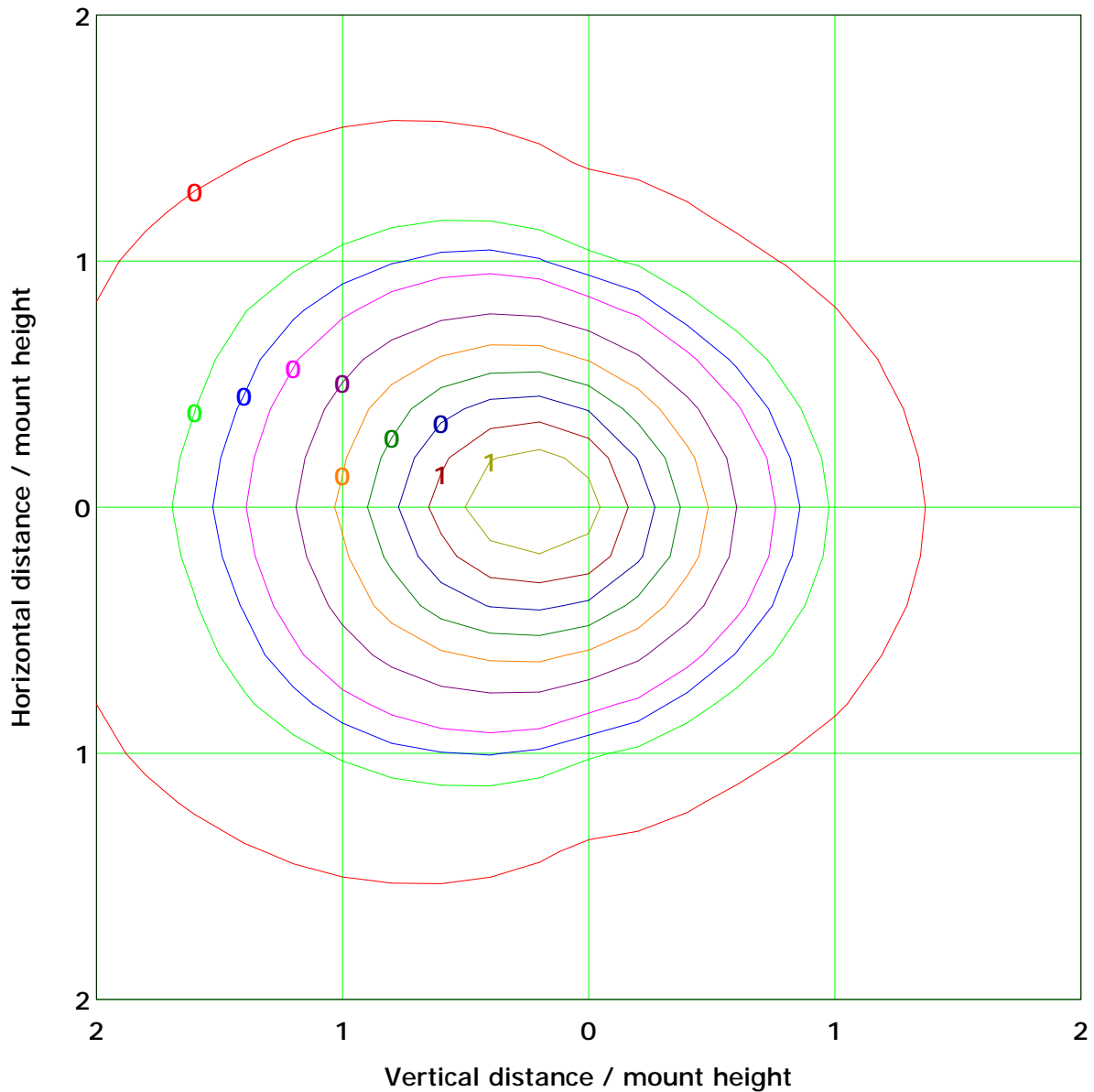
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 0.7 lx

(10%): 0.1 lx	(20%): 0.1 lx
(25%): 0.2 lx	(30%): 0.2 lx
(40%): 0.3 lx	(50%): 0.3 lx
(60%): 0.4 lx	(70%): 0.5 lx
(80%): 0.5 lx	(90%): 0.6 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

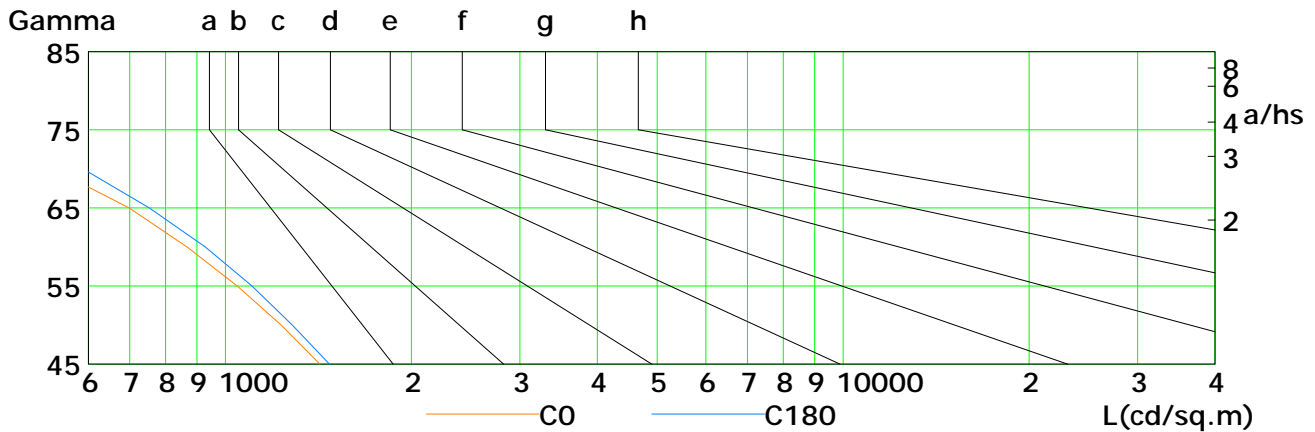
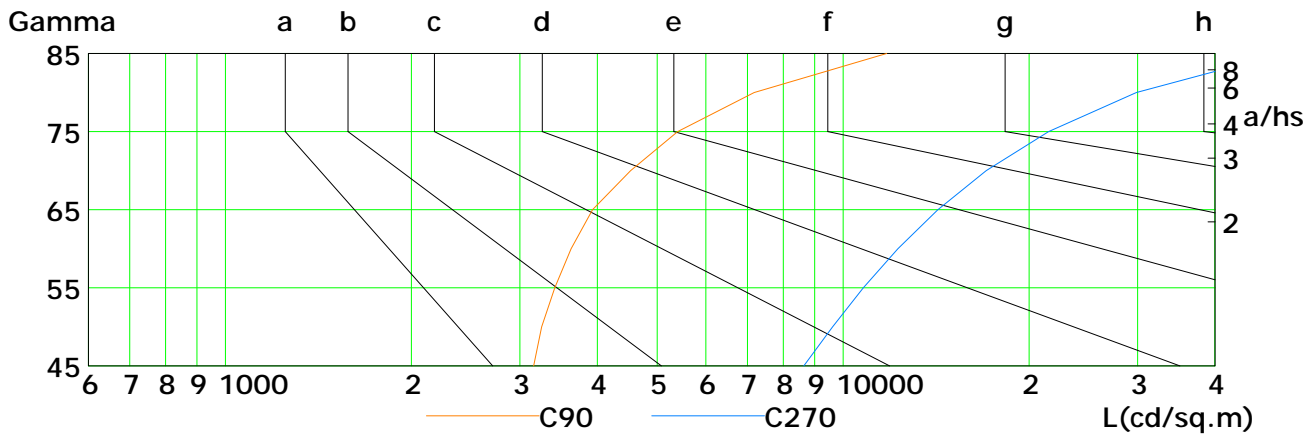
Humidity: 60%

Inspector:

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	1423	1231	1046	867	699	525	356	215	70
C90	3156	3252	3413	3629	3933	4533	5399	7185	11772
C180	1474	1284	1104	928	753	588	425	263	139
C270	8642	9615	10788	12270	14239	17054	21516	29843	51096

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Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0:1.0

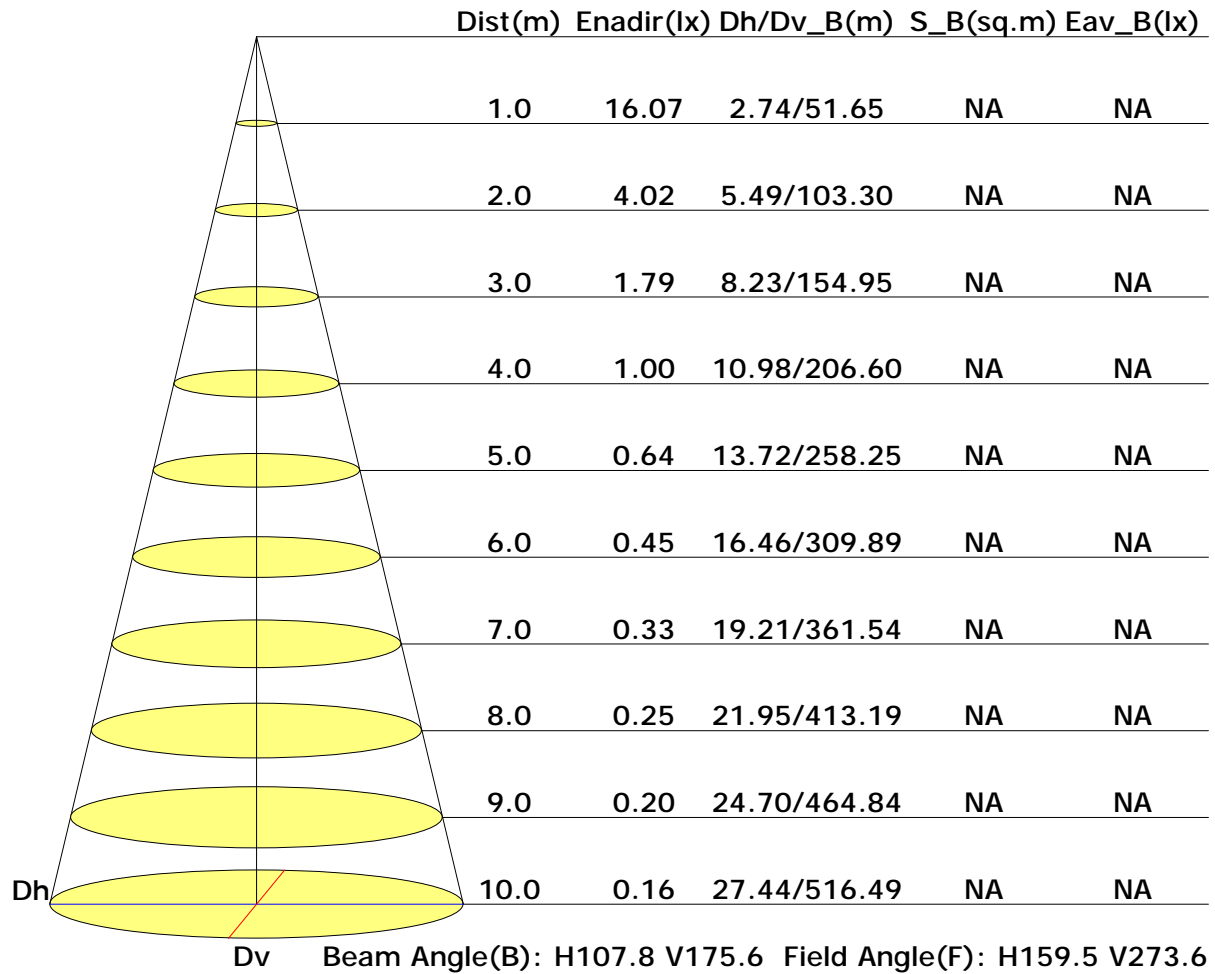
Test Device: GPM-1800B

Distance: 9.028 m

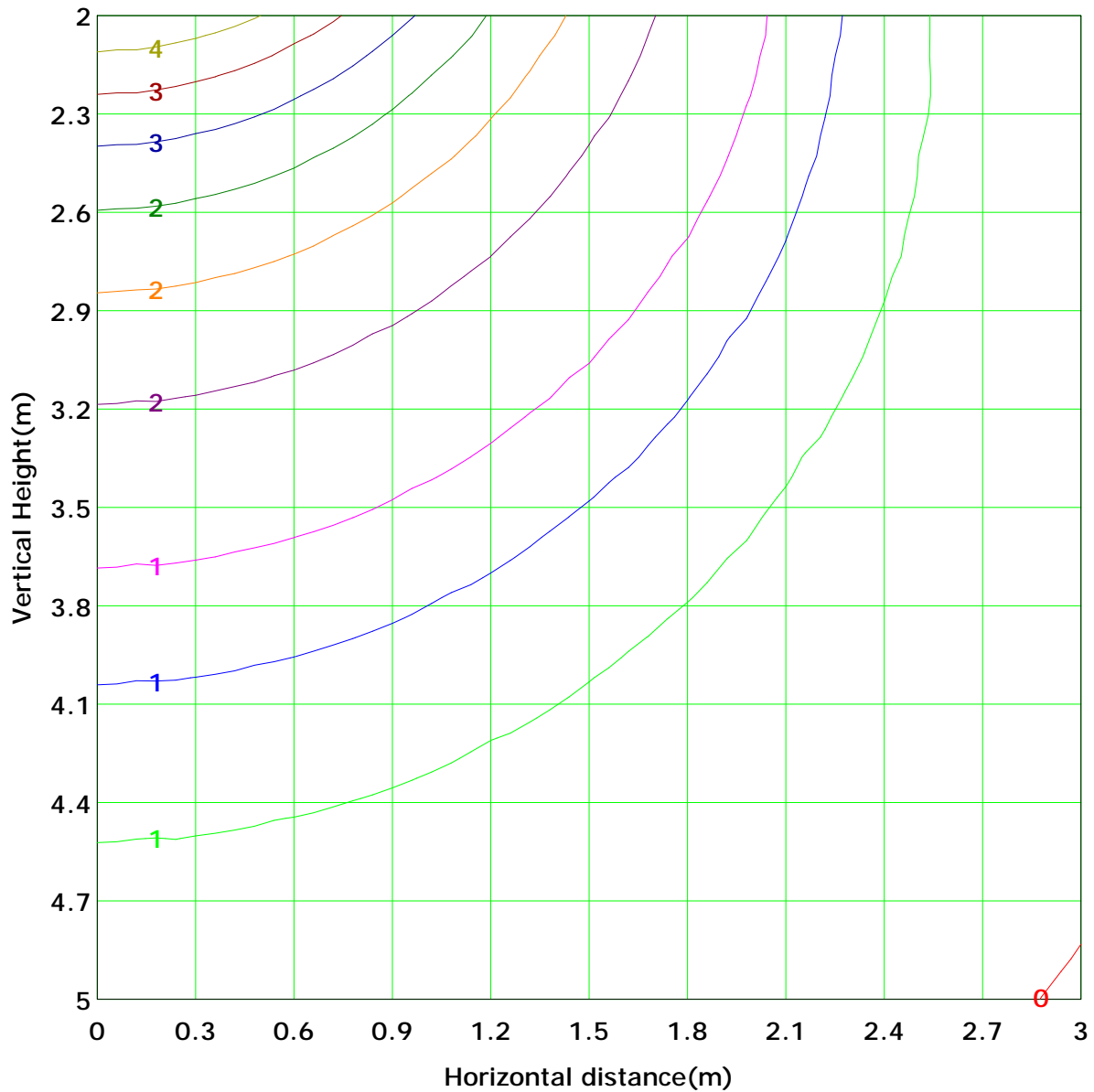
Humidity: 60%

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 4.0 lx
(10%): 0.4 lx	(20%): 0.8 lx	(30%): 1.2 lx
(25%): 1.0 lx	(40%): 1.6 lx	(50%): 2.0 lx
(60%): 2.4 lx	(70%): 2.8 lx	(90%): 3.6 lx
(80%): 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:



Area Flux Table

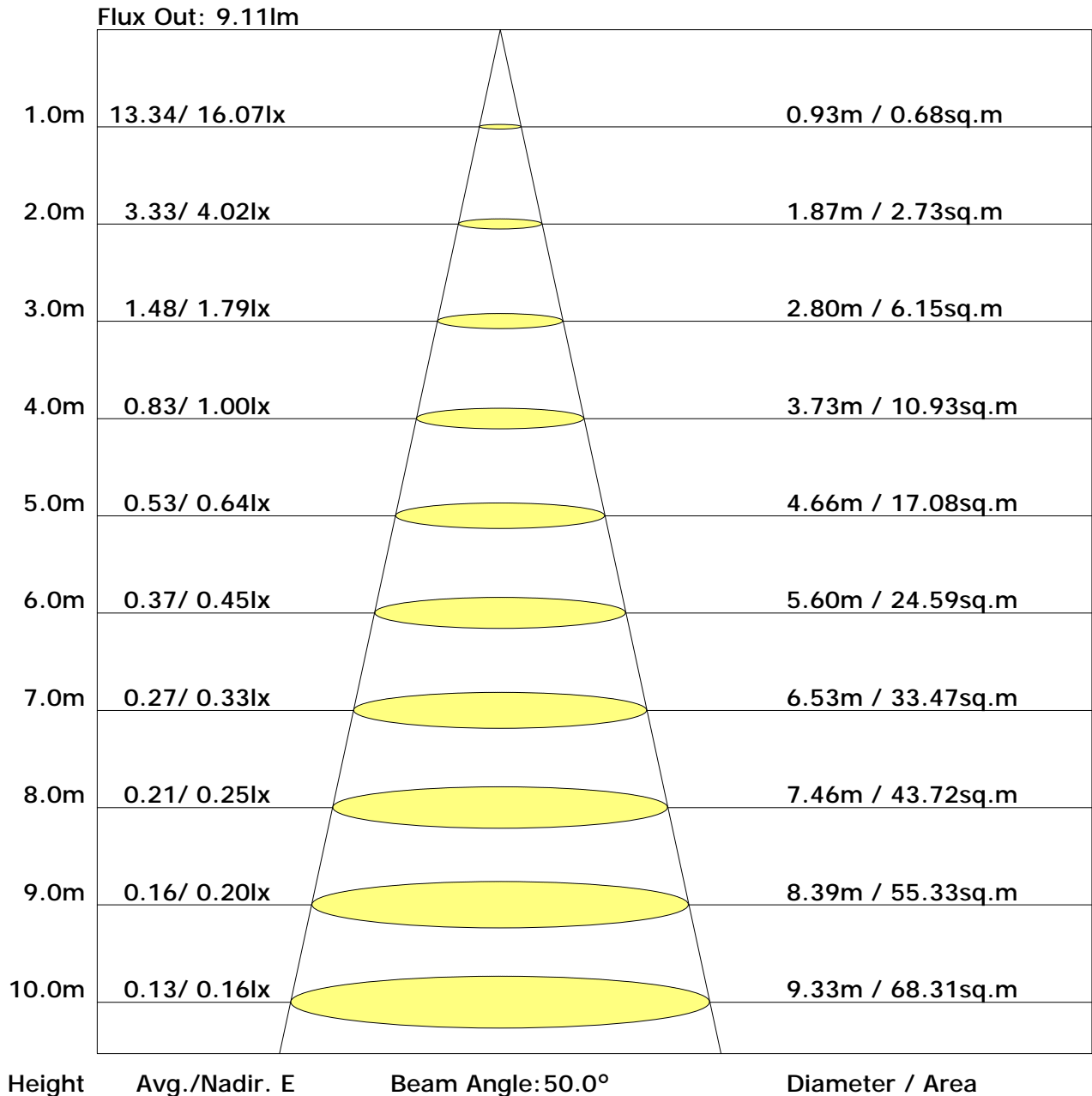
Unit: lm

		Vertical plane																			
Flux(E)	Flux(T)	-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	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	5.9
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	6.3
0.0	0.1	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	6.5
0.0	0.1	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	6.6
0.0	0.1	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	6.6
0.0	0.1	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	6.4
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	6.1
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	6.1
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.5
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.5
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.0
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.0
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	4.4
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	4.4
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	3.9
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	3.9
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	3.5
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	3.5
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	3.1
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	3.1
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	2.7
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	2.7
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	2.4
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	2.4
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	2.1
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	2.1
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	1.8
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	1.8
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	1.6
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	1.5
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	1.3
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	1.2
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	75
0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	75

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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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	20.4	21.7	21.1	22.4	23.3	16.8	18.2	17.5	18.9	19.7
3H	22.3	23.5	22.9	24.2	25.1	19.0	20.3	19.7	21.0	21.8
4H	22.9	24.1	23.6	24.8	25.7	20.1	21.2	20.8	22.0	22.8
6H	23.4	24.5	24.2	25.3	26.2	21.1	22.2	21.8	22.9	23.8
8H	23.6	24.7	24.3	25.4	26.3	21.5	22.6	22.3	23.4	24.2
12H	23.7	24.7	24.4	25.5	26.4	22.0	23.0	22.7	23.8	24.7
X=4H Y=2H	21.6	22.8	22.3	23.5	24.4	17.4	18.6	18.1	19.3	20.2
3H	23.8	24.8	24.5	25.5	26.4	19.9	20.9	20.6	21.6	22.5
4H	24.7	25.6	25.4	26.4	27.3	21.1	22.0	21.8	22.8	23.7
6H	25.4	26.2	26.1	27.0	27.9	22.3	23.1	23.0	23.9	24.8
8H	25.7	26.5	26.4	27.2	28.2	22.8	23.6	23.6	24.4	25.3
12H	25.9	26.6	26.6	27.4	28.3	23.4	24.1	24.2	24.9	25.9
X=8H Y=4H	25.7	26.5	26.4	27.2	28.2	21.4	22.2	22.2	23.0	23.9
6H	26.7	27.4	27.5	28.2	29.2	22.8	23.5	23.6	24.3	25.3
8H	27.2	27.8	28.0	28.6	29.6	23.5	24.2	24.3	25.0	25.9
12H	27.5	28.1	28.3	28.9	29.9	24.3	24.8	25.1	25.7	26.7
X=12H Y=4H	25.9	26.6	26.7	27.5	28.4	21.4	22.2	22.2	23.0	23.9
6H	27.1	27.7	27.9	28.5	29.5	22.9	23.5	23.7	24.3	25.3
8H	27.7	28.3	28.5	29.1	30.1	23.7	24.3	24.5	25.1	26.1

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
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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 = 1.50									
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	0.45	0.52	0.59	0.64	0.72	0.77	0.80	0.86	0.89	
	0.30		0.36	0.44	0.51	0.56	0.64	0.70	0.74	0.80	0.84	
	0.20		0.30	0.37	0.44	0.50	0.58	0.64	0.68	0.75	0.80	
0.50	0.50	0.20	0.41	0.48	0.54	0.58	0.65	0.69	0.73	0.77	0.80	
	0.30		0.34	0.40	0.47	0.52	0.59	0.64	0.67	0.73	0.76	
	0.20		0.29	0.35	0.41	0.46	0.53	0.59	0.63	0.69	0.73	
0.30	0.50	0.20	0.37	0.43	0.49	0.53	0.58	0.62	0.65	0.70	0.72	
	0.30		0.31	0.37	0.43	0.47	0.53	0.58	0.61	0.66	0.69	
	0.20		0.27	0.32	0.38	0.43	0.49	0.54	0.57	0.63	0.66	
0.00	0.00	0.00	0.22	0.27	0.32	0.36	0.41	0.46	0.49	0.53	0.57	
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 = 1.50								
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	1.05	0.91	0.80	0.71	0.59	0.51	0.45	0.36	0.30
	0.30		0.87	0.78	0.69	0.63	0.54	0.47	0.41	0.34	0.29
	0.20		0.75	0.68	0.62	0.57	0.49	0.43	0.39	0.32	0.28
0.50	0.50	0.20	0.96	0.84	0.73	0.66	0.55	0.49	0.41	0.33	0.28
	0.30		0.81	0.73	0.65	0.59	0.50	0.43	0.39	0.32	0.27
	0.20		0.71	0.64	0.58	0.53	0.46	0.40	0.36	0.30	0.26
0.30	0.50	0.20	0.89	0.77	0.67	0.60	0.50	0.43	0.38	0.31	0.26
	0.30		0.76	0.68	0.60	0.55	0.46	0.40	0.36	0.30	0.25
	0.20		0.66	0.61	0.54	0.50	0.43	0.38	0.34	0.28	0.24
0.00	0.00	0.00	0.54	0.49	0.44	0.40	0.35	0.31	0.28	0.23	0.20
<p>Rating:5W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50								
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	0.40	0.41	0.42	0.43	0.44	0.44	0.44	0.45	0.45
	0.30		0.33	0.34	0.35	0.36	0.38	0.39	0.39	0.41	0.41
	0.20		0.27	0.29	0.30	0.31	0.33	0.34	0.35	0.37	0.38
0.50	0.50	0.20	0.38	0.40	0.41	0.41	0.42	0.42	0.43	0.43	0.43
	0.30		0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40
	0.20		0.27	0.28	0.29	0.30	0.32	0.33	0.34	0.36	0.37
0.30	0.50	0.20	0.37	0.38	0.39	0.40	0.40	0.41	0.41	0.41	0.41
	0.30		0.31	0.33	0.34	0.34	0.35	0.36	0.37	0.38	0.38
	0.20		0.27	0.28	0.29	0.30	0.31	0.33	0.33	0.35	0.36
0.00	0.00	0.00	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
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	15.8	0.0	0.0	0.02	0.02
1.0-2.0	15.8	0.0	0.1	0.05	0.06
2.0-3.0	15.8	0.1	0.1	0.08	0.14
3.0-4.0	15.8	0.1	0.2	0.11	0.25
4.0-5.0	15.8	0.1	0.4	0.14	0.38
5.0-6.0	15.7	0.2	0.5	0.17	0.55
6.0-7.0	15.7	0.2	0.7	0.20	0.75
7.0-8.0	15.7	0.2	1.0	0.23	0.98
8.0-9.0	15.7	0.3	1.2	0.26	1.24
9.0-10.0	15.7	0.3	1.5	0.29	1.52
10.0-11.0	15.7	0.3	1.8	0.32	1.84
11.0-12.0	15.7	0.3	2.2	0.35	2.19
12.0-13.0	15.6	0.4	2.5	0.38	2.57
13.0-14.0	15.6	0.4	2.9	0.41	2.97
14.0-15.0	15.6	0.4	3.4	0.43	3.41
15.0-16.0	15.5	0.5	3.8	0.46	3.87
16.0-17.0	15.5	0.5	4.3	0.49	4.36
17.0-18.0	15.5	0.5	4.8	0.52	4.88
18.0-19.0	15.4	0.5	5.3	0.55	5.42
19.0-20.0	15.4	0.6	5.9	0.57	5.99
20.0-21.0	15.4	0.6	6.5	0.60	6.59
21.0-22.0	15.3	0.6	7.1	0.63	7.22
22.0-23.0	15.3	0.6	7.8	0.65	7.87
23.0-24.0	15.2	0.7	8.4	0.68	8.55
24.0-25.0	15.2	0.7	9.1	0.70	9.25
25.0-26.0	15.2	0.7	9.8	0.73	9.97
26.0-27.0	15.1	0.7	10.6	0.75	10.73
27.0-28.0	15.1	0.8	11.3	0.77	11.50
28.0-29.0	15.0	0.8	12.1	0.80	12.30
29.0-30.0	14.9	0.8	12.9	0.82	13.11
30.0-31.0	14.9	0.8	13.7	0.84	13.96
31.0-32.0	14.8	0.8	14.6	0.86	14.82
32.0-33.0	14.8	0.9	15.5	0.88	15.70
33.0-34.0	14.7	0.9	16.4	0.90	16.60
34.0-35.0	14.6	0.9	17.3	0.92	17.53
35.0-36.0	14.5	0.9	18.2	0.94	18.47

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	14.5	0.9	19.1	0.96	19.43
37.0-38.0	14.4	1.0	20.1	0.98	20.40
38.0-39.0	14.3	1.0	21.1	0.99	21.39
39.0-40.0	14.3	1.0	22.1	1.01	22.41
40.0-41.0	14.2	1.0	23.1	1.02	23.43
41.0-42.0	14.1	1.0	24.1	1.04	24.47
42.0-43.0	14.0	1.0	25.1	1.05	25.52
43.0-44.0	13.9	1.1	26.2	1.07	26.59
44.0-45.0	13.8	1.1	27.3	1.08	27.67
45.0-46.0	13.7	1.1	28.3	1.09	28.76
46.0-47.0	13.6	1.1	29.4	1.10	29.86
47.0-48.0	13.5	1.1	30.5	1.11	30.97
48.0-49.0	13.4	1.1	31.6	1.12	32.09
49.0-50.0	13.3	1.1	32.7	1.13	33.22
50.0-51.0	13.2	1.1	33.8	1.13	34.36
51.0-52.0	13.1	1.1	35.0	1.14	35.50
52.0-53.0	13.0	1.1	36.1	1.15	36.64
53.0-54.0	12.9	1.1	37.2	1.15	37.79
54.0-55.0	12.7	1.1	38.4	1.16	38.95
55.0-56.0	12.6	1.1	39.5	1.16	40.11
56.0-57.0	12.5	1.1	40.7	1.16	41.27
57.0-58.0	12.4	1.1	41.8	1.16	42.43
58.0-59.0	12.2	1.1	43.0	1.16	43.59
59.0-60.0	12.1	1.1	44.1	1.16	44.76
60.0-61.0	12.0	1.1	45.2	1.16	45.92
61.0-62.0	11.8	1.1	46.4	1.16	47.08
62.0-63.0	11.7	1.1	47.5	1.16	48.23
63.0-64.0	11.6	1.1	48.7	1.15	49.39
64.0-65.0	11.5	1.1	49.8	1.15	50.54
65.0-66.0	11.3	1.1	50.9	1.14	51.68
66.0-67.0	11.2	1.1	52.0	1.14	52.82
67.0-68.0	11.0	1.1	53.2	1.13	53.95
68.0-69.0	10.9	1.1	54.3	1.13	55.08
69.0-70.0	10.7	1.1	55.4	1.12	56.20
70.0-71.0	10.6	1.1	56.5	1.11	57.31
71.0-72.0	10.4	1.1	57.6	1.10	58.41

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	10.3	1.1	58.6	1.09	59.51
73.0-74.0	10.1	1.1	59.7	1.08	60.59
74.0-75.0	10.0	1.1	60.8	1.07	61.66
75.0-76.0	9.9	1.0	61.8	1.06	62.72
76.0-77.0	9.7	1.0	62.8	1.05	63.77
77.0-78.0	9.6	1.0	63.9	1.04	64.81
78.0-79.0	9.4	1.0	64.9	1.03	65.84
79.0-80.0	9.3	1.0	65.9	1.02	66.86
80.0-81.0	9.1	1.0	66.9	1.00	67.86
81.0-82.0	9.0	1.0	67.8	0.99	68.85
82.0-83.0	8.9	1.0	68.8	0.98	69.83
83.0-84.0	8.7	1.0	69.7	0.96	70.79
84.0-85.0	8.6	0.9	70.7	0.95	71.74
85.0-86.0	8.5	0.9	71.6	0.94	72.68
86.0-87.0	8.3	0.9	72.5	0.93	73.61
87.0-88.0	8.2	0.9	73.4	0.91	74.52
88.0-89.0	8.1	0.9	74.3	0.90	75.41
89.0-90.0	7.9	0.9	75.2	0.88	76.30
90.0-91.0	7.8	0.9	76.0	0.87	77.17
91.0-92.0	7.7	0.8	76.9	0.86	78.03
92.0-93.0	7.6	0.8	77.7	0.85	78.88
93.0-94.0	7.5	0.8	78.5	0.84	79.72
94.0-95.0	7.4	0.8	79.4	0.82	80.54
95.0-96.0	7.3	0.8	80.2	0.81	81.35
96.0-97.0	7.2	0.8	80.9	0.80	82.15
97.0-98.0	7.1	0.8	81.7	0.78	82.93
98.0-99.0	7.0	0.8	82.5	0.77	83.70
99.0-100.0	6.9	0.7	83.2	0.75	84.46
100.0-101.0	6.7	0.7	83.9	0.74	85.19
101.0-102.0	6.6	0.7	84.6	0.72	85.92
102.0-103.0	6.5	0.7	85.3	0.71	86.62
103.0-104.0	6.4	0.7	86.0	0.69	87.31
104.0-105.0	6.2	0.7	86.7	0.67	87.98
105.0-106.0	6.1	0.6	87.3	0.65	88.63
106.0-107.0	5.9	0.6	87.9	0.63	89.26
107.0-108.0	5.7	0.6	88.5	0.61	89.87

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	5.6	0.6	89.1	0.59	90.46
109.0-110.0	5.4	0.6	89.7	0.57	91.02
110.0-111.0	5.2	0.5	90.2	0.55	91.57
111.0-112.0	5.1	0.5	90.7	0.53	92.09
112.0-113.0	4.9	0.5	91.2	0.50	92.60
113.0-114.0	4.7	0.5	91.7	0.48	93.08
114.0-115.0	4.5	0.5	92.2	0.46	93.54
115.0-116.0	4.4	0.4	92.6	0.44	93.98
116.0-117.0	4.2	0.4	93.0	0.42	94.40
117.0-118.0	4.0	0.4	93.4	0.40	94.79
118.0-119.0	3.8	0.4	93.8	0.37	95.17
119.0-120.0	3.7	0.3	94.1	0.35	95.52
120.0-121.0	3.5	0.3	94.4	0.33	95.85
121.0-122.0	3.3	0.3	94.7	0.31	96.17
122.0-123.0	3.1	0.3	95.0	0.29	96.46
123.0-124.0	2.9	0.3	95.3	0.27	96.73
124.0-125.0	2.8	0.2	95.6	0.25	96.98
125.0-126.0	2.6	0.2	95.8	0.24	97.22
126.0-127.0	2.5	0.2	96.0	0.22	97.44
127.0-128.0	2.3	0.2	96.2	0.20	97.64
128.0-129.0	2.2	0.2	96.4	0.19	97.83
129.0-130.0	2.1	0.2	96.6	0.18	98.01
130.0-131.0	1.9	0.2	96.7	0.16	98.17
131.0-132.0	1.8	0.1	96.9	0.15	98.32
132.0-133.0	1.7	0.1	97.0	0.14	98.46
133.0-134.0	1.6	0.1	97.1	0.13	98.59
134.0-135.0	1.5	0.1	97.2	0.12	98.70
135.0-136.0	1.4	0.1	97.4	0.11	98.81
136.0-137.0	1.2	0.1	97.4	0.10	98.90
137.0-138.0	1.2	0.1	97.5	0.09	98.99
138.0-139.0	1.1	0.1	97.6	0.08	99.07
139.0-140.0	1.0	0.1	97.7	0.07	99.14
140.0-141.0	0.9	0.1	97.7	0.06	99.21
141.0-142.0	0.8	0.1	97.8	0.06	99.26
142.0-143.0	0.8	0.1	97.8	0.05	99.31
143.0-144.0	0.7	0.0	97.9	0.05	99.36

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:

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	0.7	0.0	97.9	0.04	99.41
145.0-146.0	0.7	0.0	98.0	0.04	99.45
146.0-147.0	0.6	0.0	98.0	0.04	99.49
147.0-148.0	0.6	0.0	98.1	0.04	99.52
148.0-149.0	0.6	0.0	98.1	0.03	99.56
149.0-150.0	0.6	0.0	98.1	0.03	99.59
150.0-151.0	0.6	0.0	98.2	0.03	99.62
151.0-152.0	0.6	0.0	98.2	0.03	99.66
152.0-153.0	0.6	0.0	98.2	0.03	99.68
153.0-154.0	0.6	0.0	98.2	0.03	99.71
154.0-155.0	0.5	0.0	98.3	0.03	99.74
155.0-156.0	0.5	0.0	98.3	0.02	99.76
156.0-157.0	0.5	0.0	98.3	0.02	99.79
157.0-158.0	0.5	0.0	98.3	0.02	99.81
158.0-159.0	0.5	0.0	98.4	0.02	99.83
159.0-160.0	0.5	0.0	98.4	0.02	99.85
160.0-161.0	0.5	0.0	98.4	0.02	99.87
161.0-162.0	0.5	0.0	98.4	0.02	99.88
162.0-163.0	0.5	0.0	98.4	0.02	99.90
163.0-164.0	0.4	0.0	98.4	0.01	99.91
164.0-165.0	0.4	0.0	98.5	0.01	99.93
165.0-166.0	0.4	0.0	98.5	0.01	99.94
166.0-167.0	0.4	0.0	98.5	0.01	99.95
167.0-168.0	0.4	0.0	98.5	0.01	99.96
168.0-169.0	0.4	0.0	98.5	0.01	99.97
169.0-170.0	0.4	0.0	98.5	0.01	99.97
170.0-171.0	0.3	0.0	98.5	0.01	99.98
171.0-172.0	0.3	0.0	98.5	0.01	99.98
172.0-173.0	0.3	0.0	98.5	0.00	99.99
173.0-174.0	0.3	0.0	98.5	0.00	99.99
174.0-175.0	0.3	0.0	98.5	0.00	99.99
175.0-176.0	0.2	0.0	98.5	0.00	100.00
176.0-177.0	0.2	0.0	98.5	0.00	100.00
177.0-178.0	0.2	0.0	98.5	0.00	100.00
178.0-179.0	0.2	0.0	98.5	0.00	100.00
179.0-180.0	0.2	0.0	98.5	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: