

Report No.:

Test Time: 2023/10/31 11:44

Luminaire Property

Luminaire Manufacturer: Acolyte

Luminaire Category: Scroll pendants

Luminaire Description: Scroll pendants C50 SW HO 38W

Lamp Catalog: Direct ONLY

Luminous Width (mm): 50

Voltage: 34.3 V

Power: 10.99 W

Luminous Length (mm): 300

Luminous Height (mm): 75

Current: 0.320 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 624.1 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H156.4,H97.5

Vertical Diffuse Angle(10%,50%): V156.1,V100.4

Luminaire Efficacy Rating (LER): 57

Max. Intensity: 252.15 cd

Total Rated Lamp Lumens: 624.1 lm

Efficiency: 100%

Upward Ratio: 1%

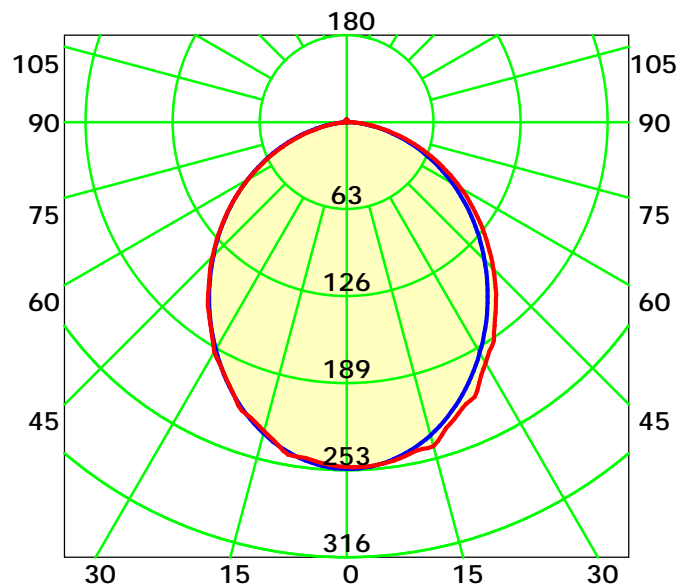
Central Intensity: 252.02 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 99.0° 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

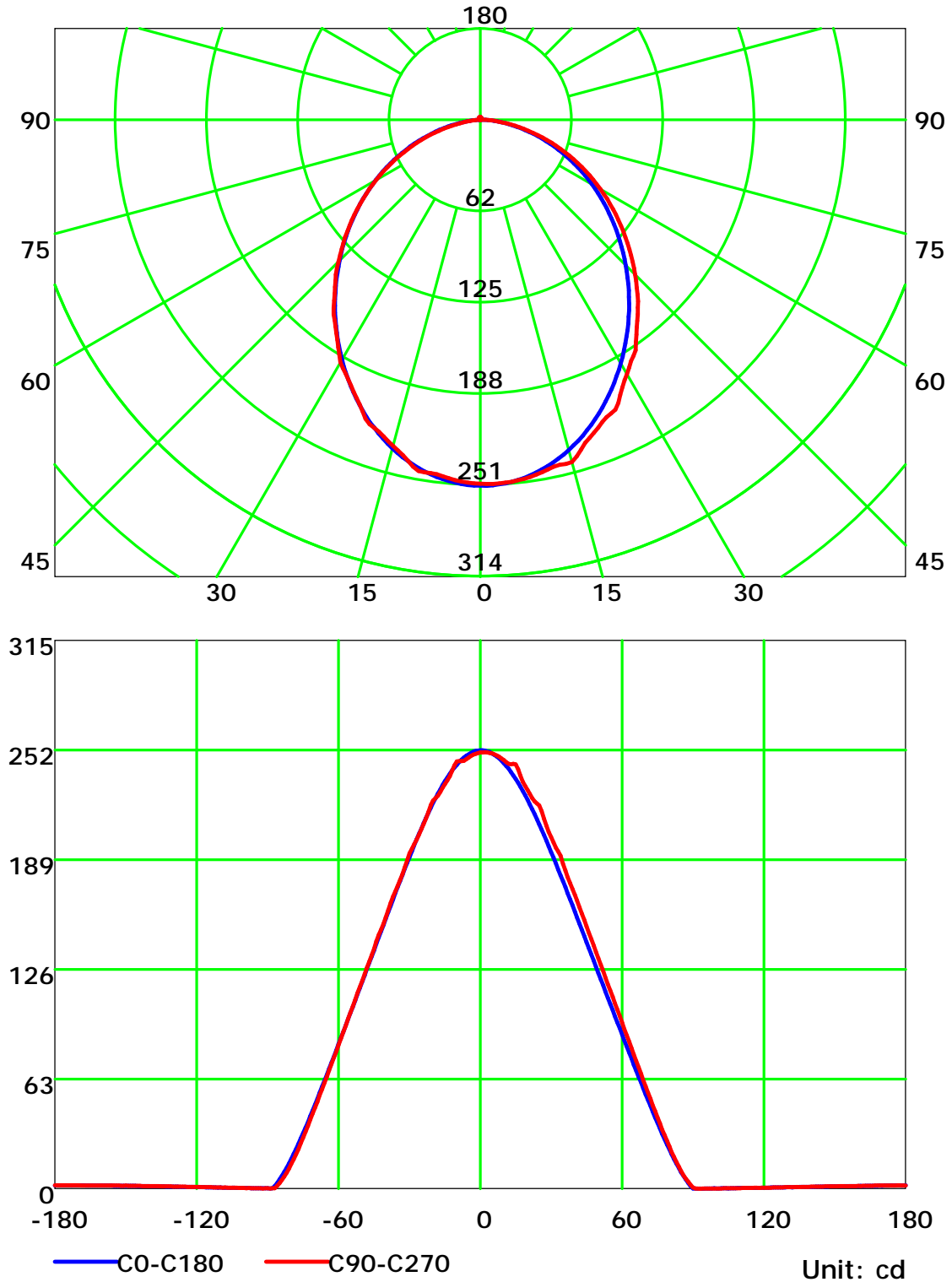
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

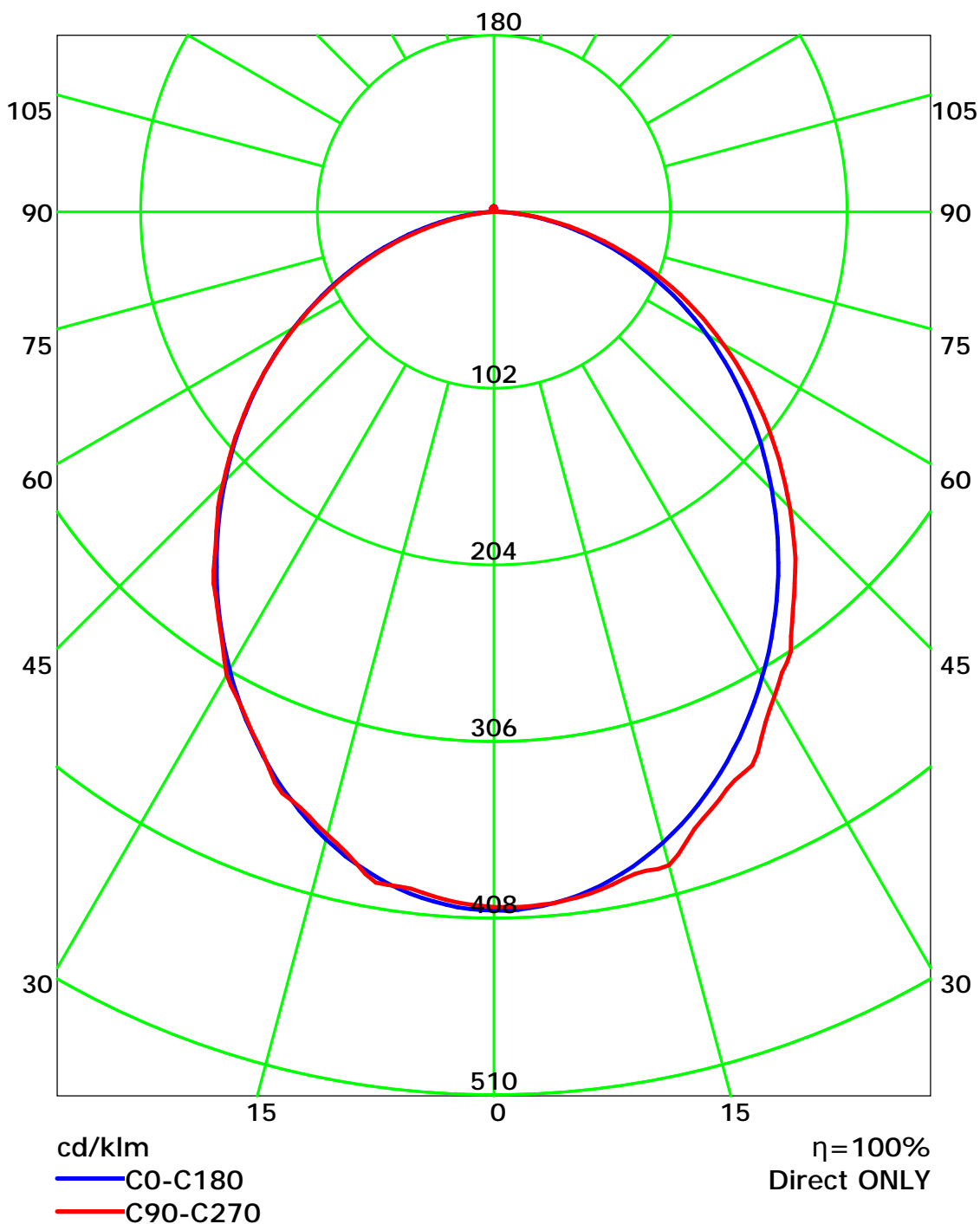
Luminous Intensity Distribution Curve



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:

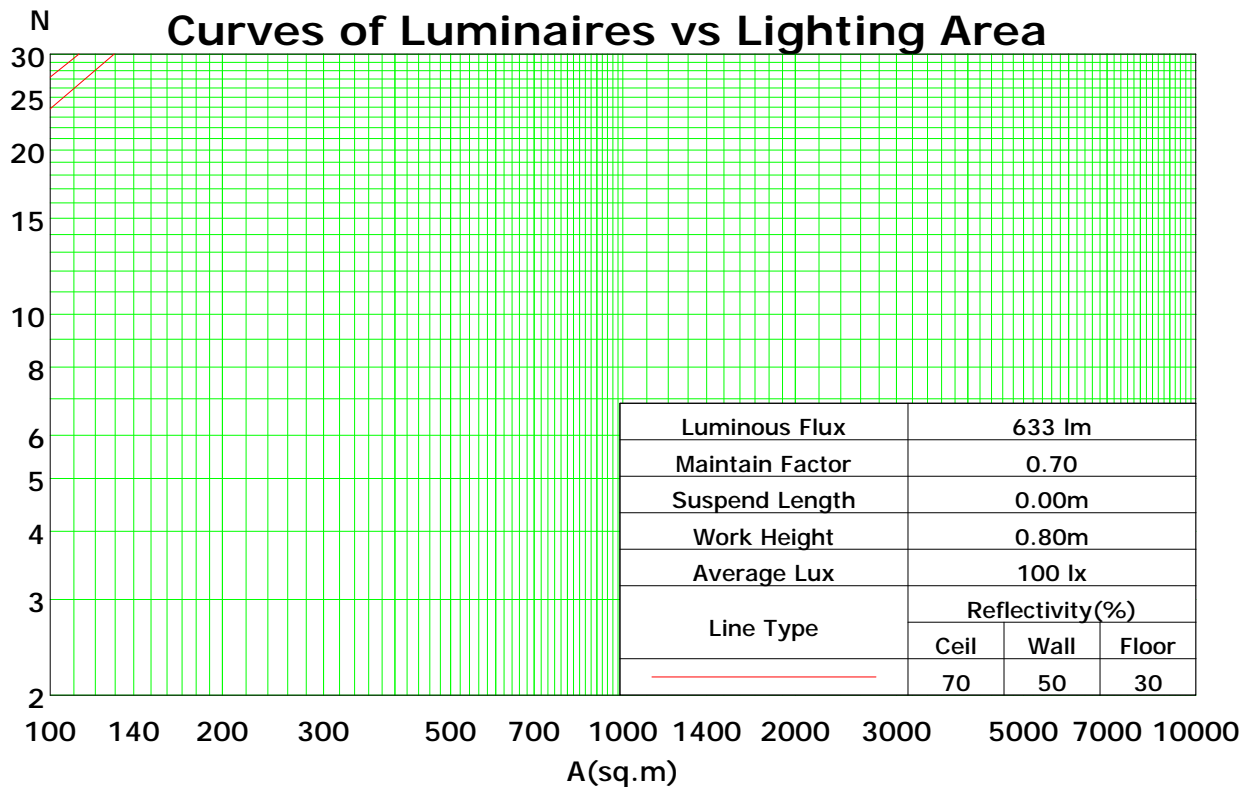
Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	92	85	79	97	90	84	78	86	81	76	82	78	75	79	76	73	71
3	91	81	73	67	88	79	72	66	76	70	65	73	68	63	70	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	65	59	55	63	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	51	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	40	35	30	28
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

Spacing Criteria (0-180): 1.15

Spacing Criteria (90-270): 1.18

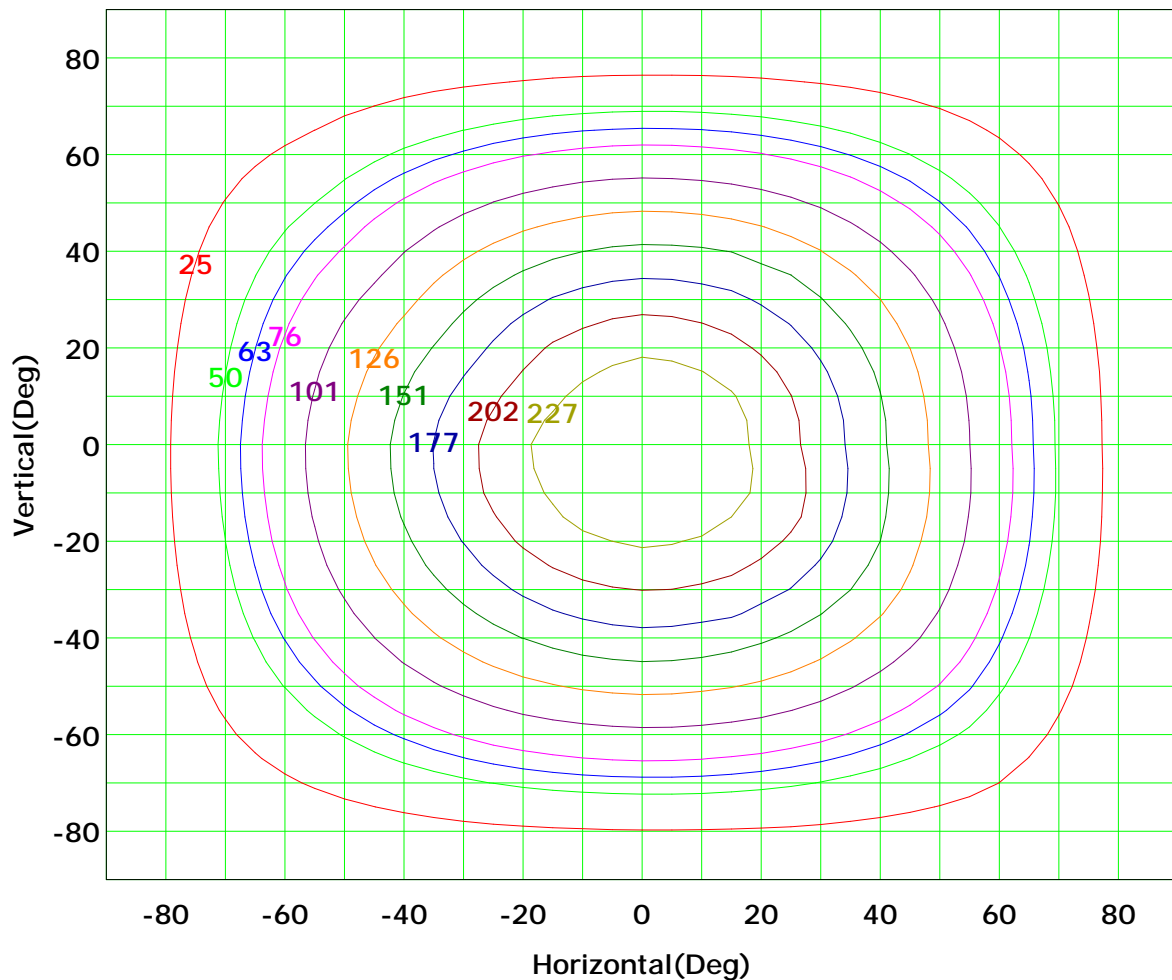
Spacing Criteria (Diagonal): 1.27



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)



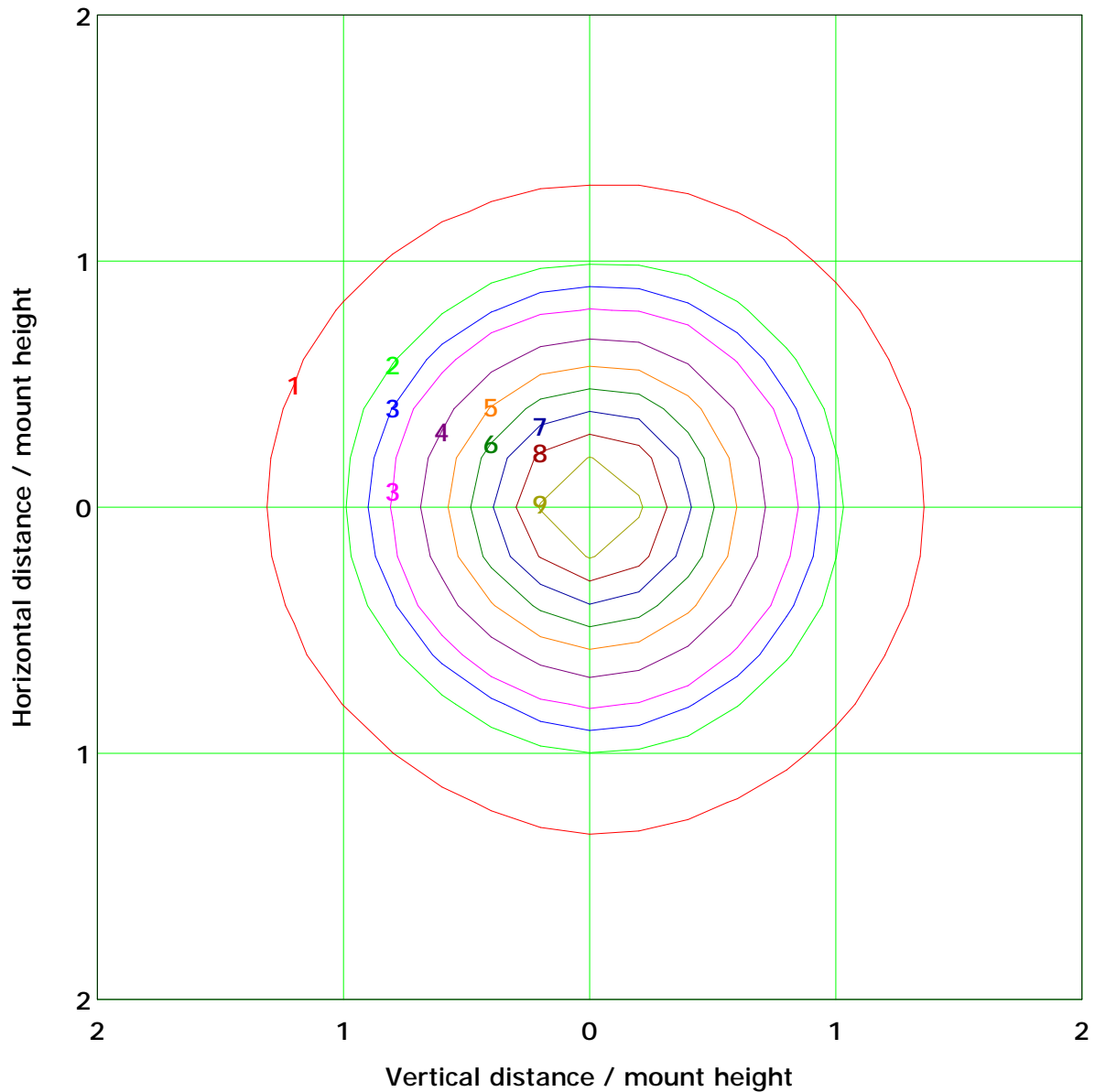
I_{max} (100%): 252 cd

(10%): 25 cd	(20%): 50 cd
(25%): 63 cd	(30%): 76 cd
(40%): 101 cd	(50%): 126 cd
(60%): 151 cd	(70%): 177 cd
(80%): 202 cd	(90%): 227 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%): 10.1 lx	
(10%): 1.0 lx	(20%): 2.0 lx
(25%): 2.5 lx	(30%): 3.0 lx
(40%): 4.0 lx	(50%): 5.0 lx
(60%): 6.0 lx	(70%): 7.1 lx
(80%): 8.1 lx	(90%): 9.1 lx

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

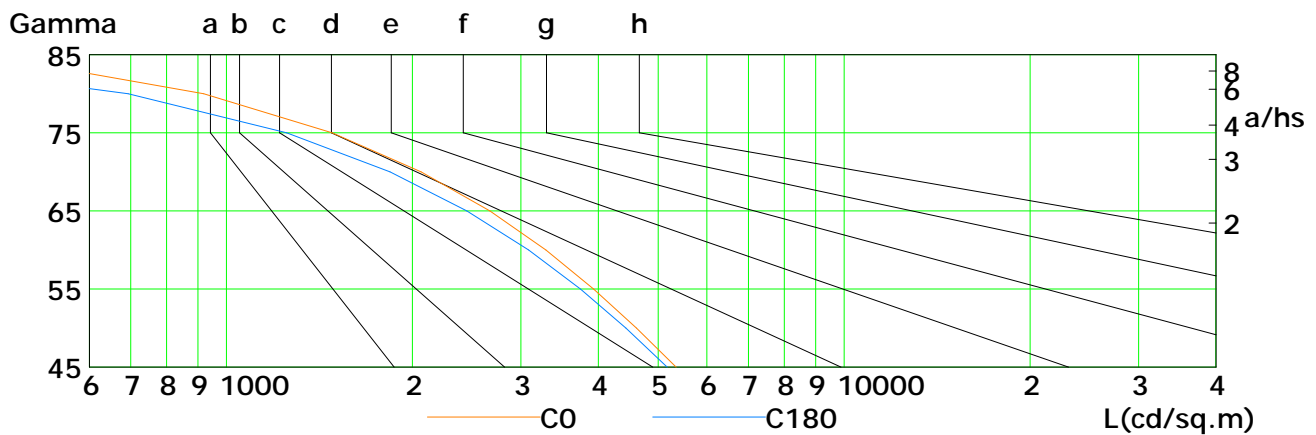
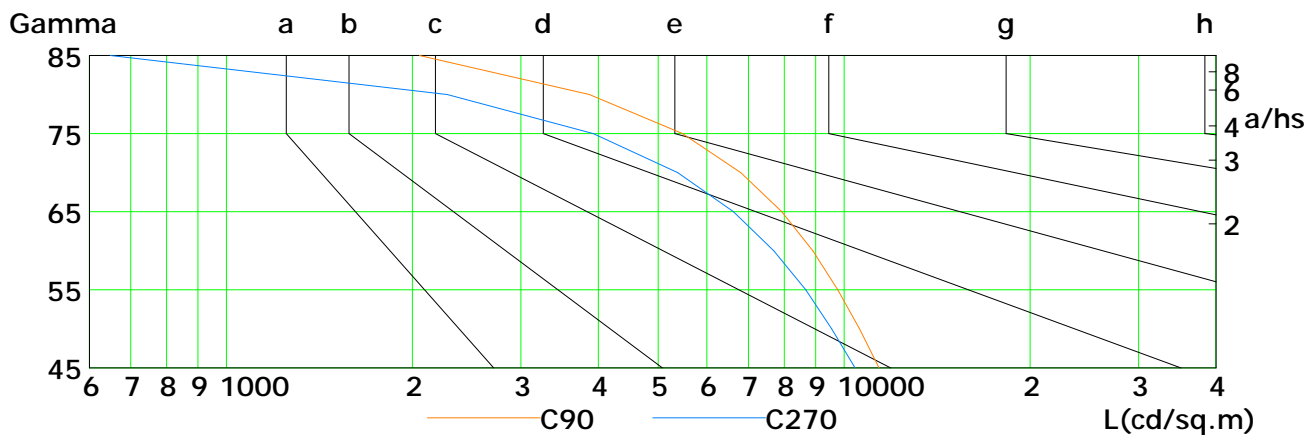
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



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



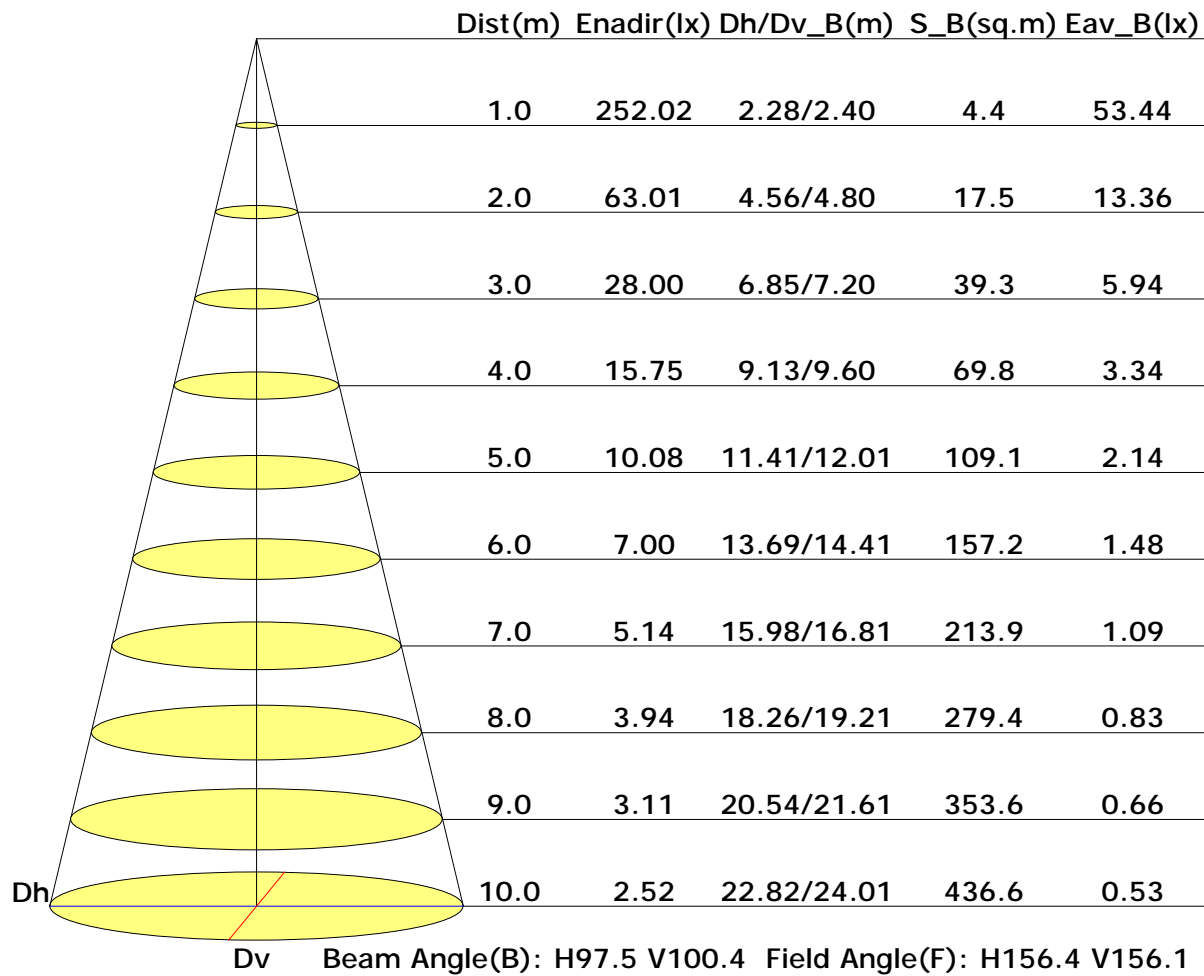
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5346	4614	3932	3290	2672	2066	1483	919	404
C90	11390	10589	9773	8898	7932	6805	5479	3873	2054
C180	5173	4436	3741	3085	2451	1840	1252	694	234
C270	10420	9554	8675	7696	6624	5382	3928	2279	648

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

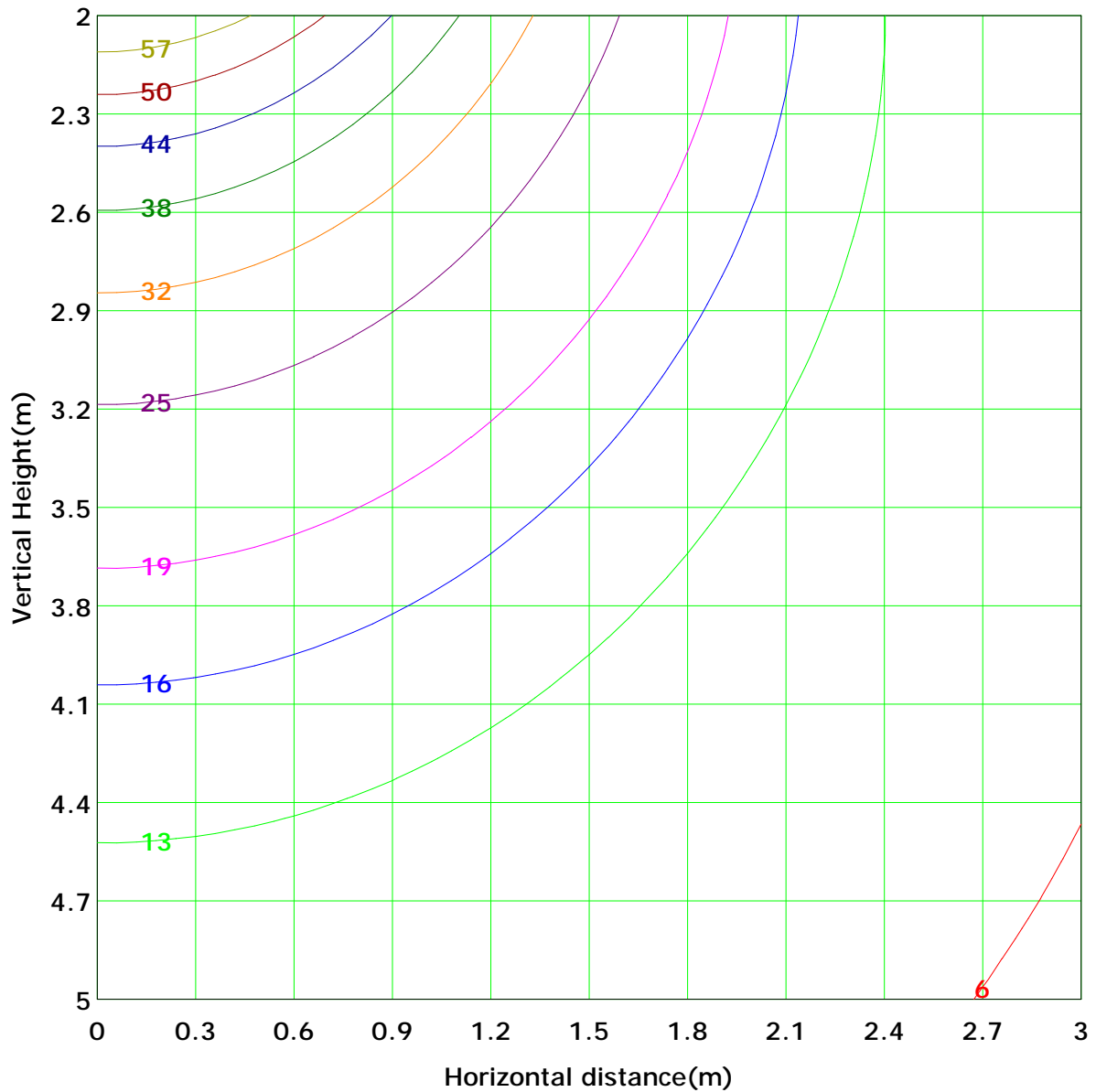
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 63.0 lx
(10%): 6.3 lx	(20%): 12.6 lx	
(25%): 15.8 lx	(30%): 18.9 lx	
(40%): 25.2 lx	(50%): 31.5 lx	
(60%): 37.8 lx	(70%): 44.1 lx	
(80%): 50.4 lx	(90%): 56.7 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

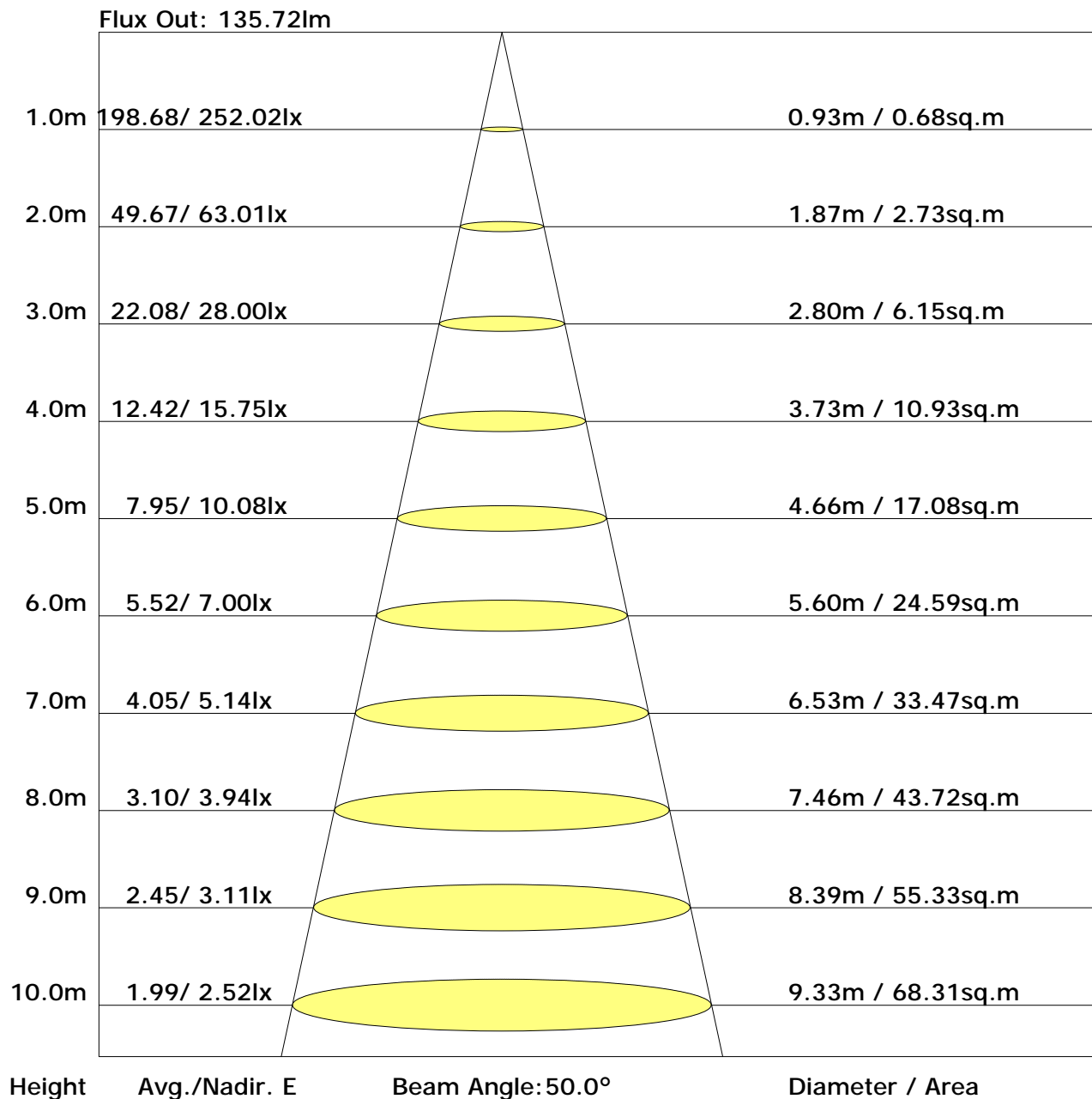
Vertical plane	Horizontal plane																		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Vertical plane	Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
	Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4
	Flux(E)	0.0	1.7	8.4	18.4	30.9	44.7	58.1	68.7	74.3	73.8	67.3	56.5	43.4	30.0	18.0	8.6	2.2	0.0
	Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0
	Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4
	Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0
	Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4
	Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0
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Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
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Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
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Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
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Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
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Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
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Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
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Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
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Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
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Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
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Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
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Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
Flux(T)	0.3	2.8	9.2	19.1	31.6	45.4	58.9	69.4	75.0	74.5	68.1	57.3	44.1	30.7	18.8	9.4	3.2	0.4	
Flux(E)	0.0	0.0	0.0	0.0	0.1	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



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:

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	19.5	21.1	19.9	21.4	21.7	18.5	20.1	18.9	20.5	20.8
3H	21.1	22.5	21.5	22.8	23.2	19.8	21.3	20.2	21.6	22.0
4H	21.6	23.0	22.0	23.3	23.7	20.2	21.6	20.6	21.9	22.3
6H	22.0	23.2	22.4	23.6	24.0	20.4	21.7	20.9	22.1	22.5
8H	22.1	23.2	22.5	23.7	24.1	20.5	21.7	20.9	22.1	22.5
12H	22.1	23.2	22.6	23.6	24.1	20.5	21.6	20.9	22.0	22.5
X=4H Y=2H	19.8	21.1	20.2	21.5	21.9	19.1	20.4	19.5	20.8	21.2
3H	21.5	22.6	21.9	23.0	23.4	20.6	21.7	21.0	22.1	22.5
4H	22.1	23.1	22.5	23.5	24.0	21.1	22.1	21.5	22.5	22.9
6H	22.5	23.4	23.0	23.9	24.3	21.4	22.2	21.8	22.7	23.2
8H	22.6	23.5	23.1	23.9	24.4	21.4	22.2	21.9	22.7	23.2
12H	22.7	23.4	23.2	23.9	24.4	21.4	22.2	21.9	22.7	23.2
X=8H Y=4H	22.2	23.0	22.6	23.4	23.9	21.3	22.1	21.7	22.5	23.0
6H	22.6	23.3	23.1	23.8	24.3	21.6	22.3	22.1	22.8	23.3
8H	22.8	23.4	23.3	23.9	24.4	21.7	22.3	22.2	22.9	23.4
12H	22.9	23.4	23.4	23.9	24.5	21.8	22.3	22.3	22.8	23.4
X=12H Y=4H	22.2	22.9	22.6	23.4	23.9	21.3	22.0	21.8	22.5	23.0
6H	22.6	23.2	23.2	23.7	24.3	21.7	22.3	22.2	22.7	23.3
8H	22.8	23.3	23.3	23.8	24.4	21.8	22.3	22.3	22.8	23.4

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	0.59	0.69	0.76	0.81	0.88	0.93	0.97	1.01	1.04
	0.30		0.51	0.62	0.69	0.75	0.83	0.88	0.92	0.97	1.01
	0.20		0.46	0.56	0.64	0.69	0.78	0.84	0.88	0.94	0.97
0.50	0.50	0.20	0.57	0.67	0.74	0.79	0.85	0.90	0.93	0.97	0.99
	0.30		0.50	0.60	0.68	0.73	0.80	0.85	0.89	0.94	0.97
	0.20		0.45	0.55	0.63	0.68	0.76	0.81	0.85	0.91	0.94
0.30	0.50	0.20	0.56	0.65	0.71	0.76	0.82	0.86	0.89	0.93	0.95
	0.30		0.50	0.59	0.66	0.71	0.78	0.83	0.86	0.90	0.93
	0.20		0.45	0.55	0.62	0.67	0.74	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.43	0.52	0.59	0.64	0.71	0.76	0.79	0.83	0.86
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	0.96	0.79	0.67	0.58	0.46	0.38	0.33	0.25	0.21	
	0.30		0.80	0.67	0.58	0.52	0.42	0.35	0.30	0.24	0.20	
	0.20		0.69	0.59	0.52	0.46	0.38	0.33	0.28	0.22	0.19	
0.50	0.50	0.20	0.92	0.76	0.64	0.56	0.44	0.40	0.31	0.24	0.20	
	0.30		0.78	0.66	0.57	0.50	0.40	0.34	0.29	0.23	0.19	
	0.20		0.68	0.58	0.51	0.45	0.37	0.31	0.27	0.22	0.18	
0.30	0.50	0.20	0.89	0.73	0.61	0.53	0.42	0.35	0.30	0.23	0.19	
	0.30		0.76	0.64	0.55	0.48	0.39	0.32	0.28	0.22	0.18	
	0.20		0.67	0.57	0.50	0.44	0.36	0.30	0.26	0.21	0.17	
0.00	0.00	0.00	0.56	0.47	0.40	0.35	0.28	0.24	0.20	0.16	0.13	
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	0.18	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	0.16	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.17	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	0.20	0.21
	0.30		0.10	0.11	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: 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	250.9	0.2	0.2	0.04	0.04
1.0-2.0	250.8	0.7	1.0	0.12	0.15
2.0-3.0	250.5	1.2	2.2	0.19	0.35
3.0-4.0	250.1	1.7	3.8	0.27	0.61
4.0-5.0	249.5	2.1	6.0	0.34	0.96
5.0-6.0	248.8	2.6	8.6	0.42	1.38
6.0-7.0	247.9	3.1	11.7	0.49	1.87
7.0-8.0	247.0	3.5	15.2	0.57	2.44
8.0-9.0	246.0	4.0	19.2	0.64	3.08
9.0-10.0	244.9	4.4	23.6	0.71	3.79
10.0-11.0	243.7	4.9	28.5	0.78	4.57
11.0-12.0	242.3	5.3	33.8	0.85	5.42
12.0-13.0	240.6	5.7	39.5	0.92	6.33
13.0-14.0	238.7	6.1	45.6	0.98	7.31
14.0-15.0	236.9	6.5	52.1	1.04	8.35
15.0-16.0	235.0	6.9	59.0	1.10	9.46
16.0-17.0	232.9	7.3	66.3	1.16	10.62
17.0-18.0	230.6	7.6	73.9	1.22	11.84
18.0-19.0	228.1	7.9	81.8	1.27	13.11
19.0-20.0	225.7	8.3	90.1	1.32	14.43
20.0-21.0	223.2	8.6	98.6	1.37	15.81
21.0-22.0	220.6	8.9	107.5	1.42	17.23
22.0-23.0	218.0	9.1	116.7	1.47	18.69
23.0-24.0	215.3	9.4	126.1	1.51	20.20
24.0-25.0	212.4	9.7	135.7	1.55	21.75
25.0-26.0	209.4	9.9	145.6	1.58	23.33
26.0-27.0	206.4	10.1	155.7	1.62	24.95
27.0-28.0	203.2	10.3	166.0	1.65	26.60
28.0-29.0	200.0	10.5	176.5	1.68	28.28
29.0-30.0	196.6	10.6	187.1	1.70	29.98
30.0-31.0	193.1	10.7	197.8	1.72	31.70
31.0-32.0	189.6	10.9	208.7	1.74	33.44
32.0-33.0	186.3	11.0	219.7	1.76	35.20
33.0-34.0	183.0	11.1	230.8	1.78	36.98
34.0-35.0	179.5	11.2	241.9	1.79	38.76
35.0-36.0	176.0	11.2	253.1	1.80	40.56

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	172.6	11.3	264.4	1.80	42.36
37.0-38.0	169.2	11.3	275.7	1.81	44.17
38.0-39.0	165.7	11.3	287.0	1.81	45.99
39.0-40.0	162.0	11.3	298.3	1.81	47.80
40.0-41.0	158.5	11.3	309.6	1.81	49.60
41.0-42.0	155.0	11.3	320.8	1.81	51.41
42.0-43.0	151.5	11.2	332.0	1.80	53.21
43.0-44.0	147.8	11.2	343.2	1.79	54.99
44.0-45.0	144.0	11.1	354.3	1.77	56.77
45.0-46.0	140.4	11.0	365.2	1.76	58.53
46.0-47.0	136.7	10.9	376.1	1.74	60.27
47.0-48.0	133.1	10.8	386.9	1.72	61.99
48.0-49.0	129.5	10.6	397.5	1.70	63.70
49.0-50.0	125.8	10.5	408.0	1.68	65.38
50.0-51.0	122.2	10.3	418.3	1.66	67.04
51.0-52.0	118.5	10.2	428.5	1.63	68.67
52.0-53.0	114.9	10.0	438.5	1.60	70.27
53.0-54.0	111.3	9.8	448.3	1.57	71.84
54.0-55.0	107.6	9.6	457.9	1.54	73.38
55.0-56.0	104.0	9.4	467.3	1.51	74.89
56.0-57.0	100.4	9.2	476.5	1.47	76.36
57.0-58.0	96.8	9.0	485.5	1.43	77.79
58.0-59.0	93.2	8.7	494.2	1.40	79.19
59.0-60.0	89.5	8.5	502.6	1.36	80.54
60.0-61.0	85.9	8.2	510.8	1.31	81.86
61.0-62.0	82.3	7.9	518.8	1.27	83.13
62.0-63.0	78.8	7.7	526.4	1.23	84.36
63.0-64.0	75.1	7.4	533.8	1.18	85.54
64.0-65.0	71.6	7.1	540.9	1.13	86.67
65.0-66.0	68.0	6.8	547.7	1.09	87.76
66.0-67.0	64.4	6.5	554.2	1.04	88.80
67.0-68.0	60.9	6.2	560.3	0.99	89.79
68.0-69.0	57.4	5.9	566.2	0.94	90.72
69.0-70.0	53.9	5.5	571.7	0.89	91.61
70.0-71.0	50.4	5.2	576.9	0.83	92.45
71.0-72.0	47.0	4.9	581.8	0.78	93.23

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	43.6	4.6	586.4	0.73	93.96
73.0-74.0	40.2	4.2	590.6	0.68	94.64
74.0-75.0	36.9	3.9	594.5	0.62	95.26
75.0-76.0	33.6	3.6	598.1	0.57	95.83
76.0-77.0	30.4	3.2	601.3	0.52	96.35
77.0-78.0	27.2	2.9	604.2	0.47	96.82
78.0-79.0	24.2	2.6	606.8	0.42	97.24
79.0-80.0	21.3	2.3	609.1	0.37	97.60
80.0-81.0	18.4	2.0	611.1	0.32	97.92
81.0-82.0	15.6	1.7	612.8	0.27	98.19
82.0-83.0	13.0	1.4	614.2	0.23	98.42
83.0-84.0	10.6	1.2	615.4	0.18	98.61
84.0-85.0	8.3	0.9	616.3	0.15	98.75
85.0-86.0	6.2	0.7	616.9	0.11	98.86
86.0-87.0	4.3	0.5	617.4	0.08	98.94
87.0-88.0	2.8	0.3	617.7	0.05	98.99
88.0-89.0	1.8	0.2	617.9	0.03	99.02
89.0-90.0	0.9	0.1	618.0	0.02	99.03
90.0-91.0	0.4	0.0	618.1	0.01	99.04
91.0-92.0	0.3	0.0	618.1	0.00	99.05
92.0-93.0	0.3	0.0	618.1	0.00	99.05
93.0-94.0	0.3	0.0	618.2	0.00	99.05
94.0-95.0	0.3	0.0	618.2	0.01	99.06
95.0-96.0	0.3	0.0	618.2	0.01	99.07
96.0-97.0	0.3	0.0	618.3	0.01	99.07
97.0-98.0	0.3	0.0	618.3	0.01	99.08
98.0-99.0	0.4	0.0	618.3	0.01	99.08
99.0-100.0	0.4	0.0	618.4	0.01	99.09
100.0-101.0	0.4	0.0	618.4	0.01	99.10
101.0-102.0	0.4	0.0	618.5	0.01	99.11
102.0-103.0	0.5	0.0	618.5	0.01	99.11
103.0-104.0	0.5	0.1	618.6	0.01	99.12
104.0-105.0	0.5	0.1	618.6	0.01	99.13
105.0-106.0	0.5	0.1	618.7	0.01	99.14
106.0-107.0	0.5	0.1	618.7	0.01	99.15
107.0-108.0	0.6	0.1	618.8	0.01	99.16

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	0.6	0.1	618.9	0.01	99.17
109.0-110.0	0.6	0.1	618.9	0.01	99.18
110.0-111.0	0.6	0.1	619.0	0.01	99.19
111.0-112.0	0.7	0.1	619.1	0.01	99.20
112.0-113.0	0.7	0.1	619.1	0.01	99.21
113.0-114.0	0.7	0.1	619.2	0.01	99.22
114.0-115.0	0.7	0.1	619.3	0.01	99.24
115.0-116.0	0.8	0.1	619.4	0.01	99.25
116.0-117.0	0.8	0.1	619.4	0.01	99.26
117.0-118.0	0.8	0.1	619.5	0.01	99.27
118.0-119.0	0.9	0.1	619.6	0.01	99.29
119.0-120.0	0.9	0.1	619.7	0.01	99.30
120.0-121.0	0.9	0.1	619.8	0.01	99.31
121.0-122.0	0.9	0.1	619.9	0.01	99.33
122.0-123.0	1.0	0.1	620.0	0.01	99.34
123.0-124.0	1.0	0.1	620.0	0.01	99.36
124.0-125.0	1.0	0.1	620.1	0.01	99.37
125.0-126.0	1.0	0.1	620.2	0.01	99.39
126.0-127.0	1.1	0.1	620.3	0.01	99.40
127.0-128.0	1.1	0.1	620.4	0.01	99.42
128.0-129.0	1.1	0.1	620.5	0.02	99.43
129.0-130.0	1.1	0.1	620.6	0.02	99.45
130.0-131.0	1.2	0.1	620.7	0.02	99.46
131.0-132.0	1.2	0.1	620.8	0.02	99.48
132.0-133.0	1.2	0.1	620.9	0.02	99.49
133.0-134.0	1.2	0.1	621.0	0.02	99.51
134.0-135.0	1.3	0.1	621.1	0.02	99.53
135.0-136.0	1.3	0.1	621.2	0.02	99.54
136.0-137.0	1.3	0.1	621.3	0.02	99.56
137.0-138.0	1.3	0.1	621.4	0.02	99.57
138.0-139.0	1.4	0.1	621.5	0.02	99.59
139.0-140.0	1.4	0.1	621.6	0.02	99.60
140.0-141.0	1.4	0.1	621.7	0.02	99.62
141.0-142.0	1.4	0.1	621.8	0.02	99.64
142.0-143.0	1.5	0.1	621.9	0.02	99.65
143.0-144.0	1.5	0.1	622.0	0.02	99.67

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	1.5	0.1	622.1	0.02	99.68
145.0-146.0	1.5	0.1	622.2	0.02	99.70
146.0-147.0	1.6	0.1	622.3	0.02	99.71
147.0-148.0	1.6	0.1	622.4	0.01	99.73
148.0-149.0	1.6	0.1	622.5	0.01	99.74
149.0-150.0	1.6	0.1	622.5	0.01	99.76
150.0-151.0	1.6	0.1	622.6	0.01	99.77
151.0-152.0	1.7	0.1	622.7	0.01	99.79
152.0-153.0	1.7	0.1	622.8	0.01	99.80
153.0-154.0	1.7	0.1	622.9	0.01	99.81
154.0-155.0	1.7	0.1	623.0	0.01	99.83
155.0-156.0	1.7	0.1	623.0	0.01	99.84
156.0-157.0	1.8	0.1	623.1	0.01	99.85
157.0-158.0	1.8	0.1	623.2	0.01	99.86
158.0-159.0	1.8	0.1	623.3	0.01	99.87
159.0-160.0	1.8	0.1	623.3	0.01	99.88
160.0-161.0	1.8	0.1	623.4	0.01	99.90
161.0-162.0	1.8	0.1	623.5	0.01	99.91
162.0-163.0	1.8	0.1	623.5	0.01	99.92
163.0-164.0	1.9	0.1	623.6	0.01	99.92
164.0-165.0	1.9	0.1	623.6	0.01	99.93
165.0-166.0	1.9	0.1	623.7	0.01	99.94
166.0-167.0	1.9	0.0	623.7	0.01	99.95
167.0-168.0	1.9	0.0	623.8	0.01	99.96
168.0-169.0	1.9	0.0	623.8	0.01	99.96
169.0-170.0	1.9	0.0	623.9	0.01	99.97
170.0-171.0	2.0	0.0	623.9	0.01	99.98
171.0-172.0	2.0	0.0	623.9	0.01	99.98
172.0-173.0	2.0	0.0	624.0	0.00	99.98
173.0-174.0	2.0	0.0	624.0	0.00	99.99
174.0-175.0	2.0	0.0	624.0	0.00	99.99
175.0-176.0	2.0	0.0	624.0	0.00	100.00
176.0-177.0	2.0	0.0	624.0	0.00	100.00
177.0-178.0	2.0	0.0	624.1	0.00	100.00
178.0-179.0	2.0	0.0	624.1	0.00	100.00
179.0-180.0	2.0	0.0	624.1	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: