

Report No.:

Test Time: 2023/10/31 15:23

Luminaire Property

Luminaire Manufacturer: Acolyte

Luminaire Category: Scroll pendants

Luminaire Description: Scroll pendants C50 VW SO 28W

Lamp Catalog: ALL ON Direct Only

Luminous Width (mm): 50

Voltage: 24.0 V

Power: 7.03 W

Luminous Length (mm): 300

Luminous Height (mm): 75

Current: 0.293 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 175.9 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H157,H99.5

Vertical Diffuse Angle(10%,50%): V156.8,V102.1

Luminaire Efficacy Rating (LER): 25

Max. Intensity: 69.59 cd

Total Rated Lamp Lumens: 175.9 lm

Efficiency: 100%

Upward Ratio: 1%

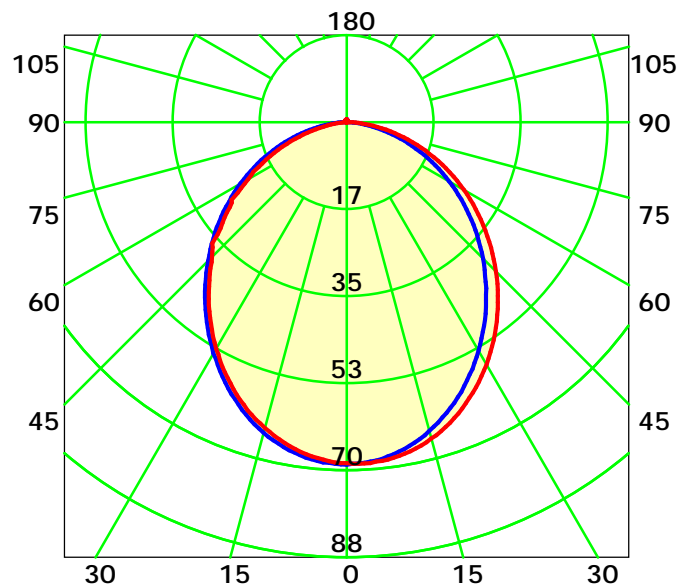
Central Intensity: 69.58 cd

Pos of Max. Intensity: H150 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 100.8° 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

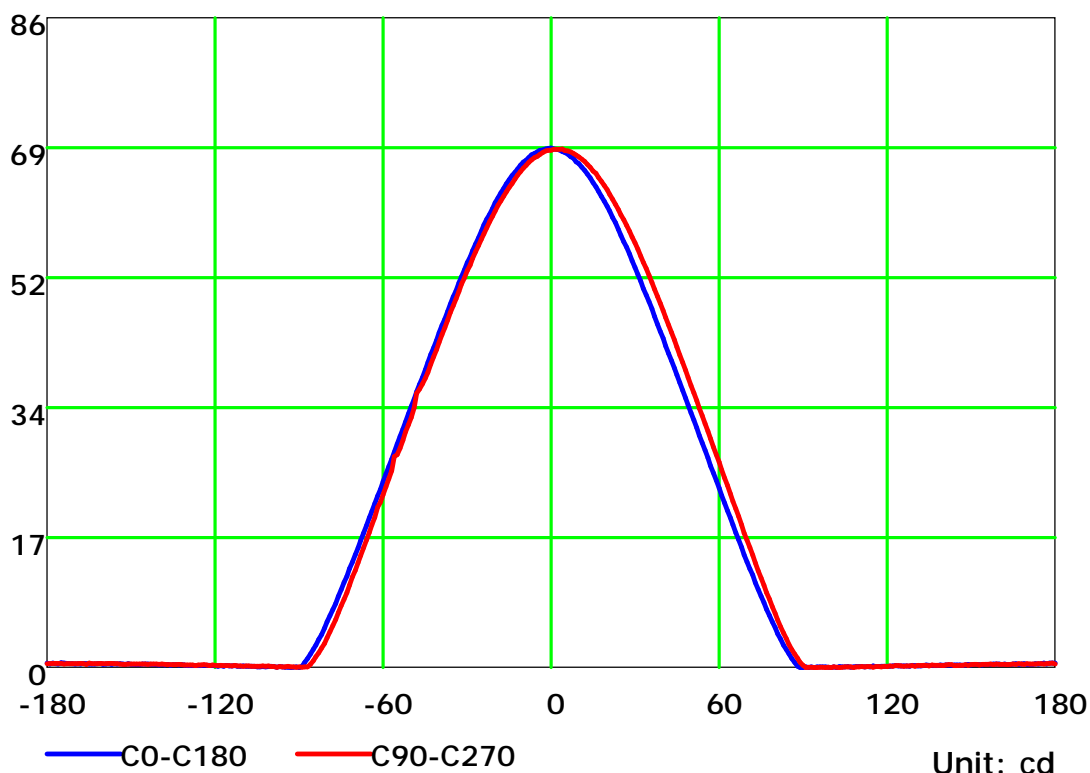
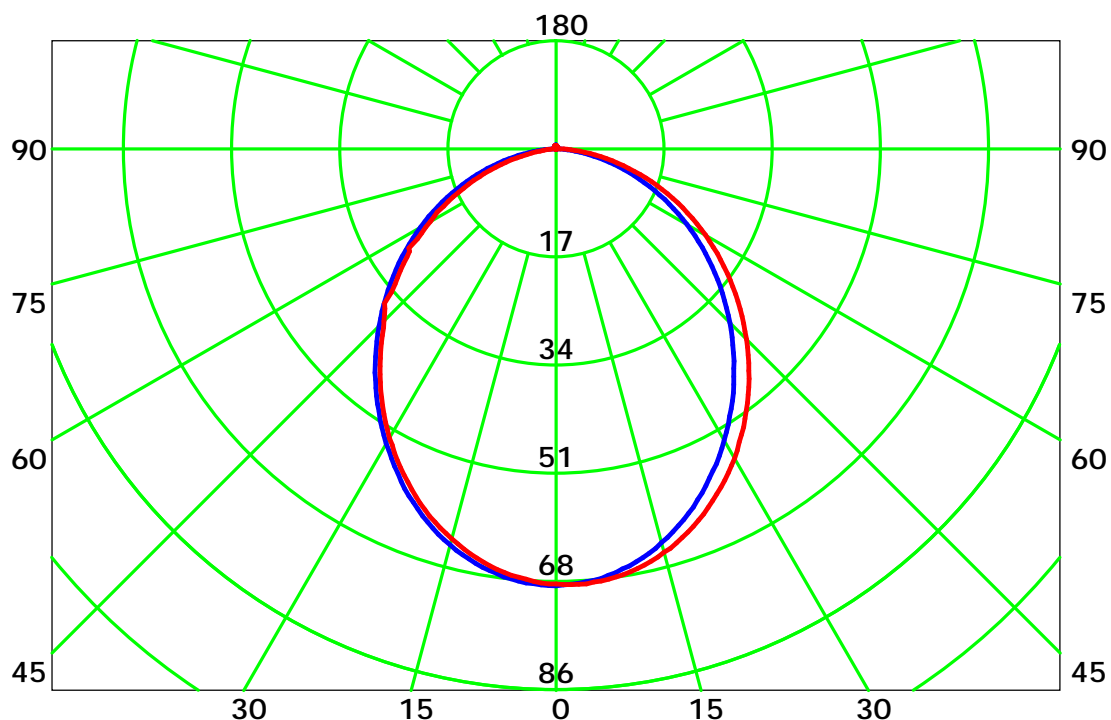
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

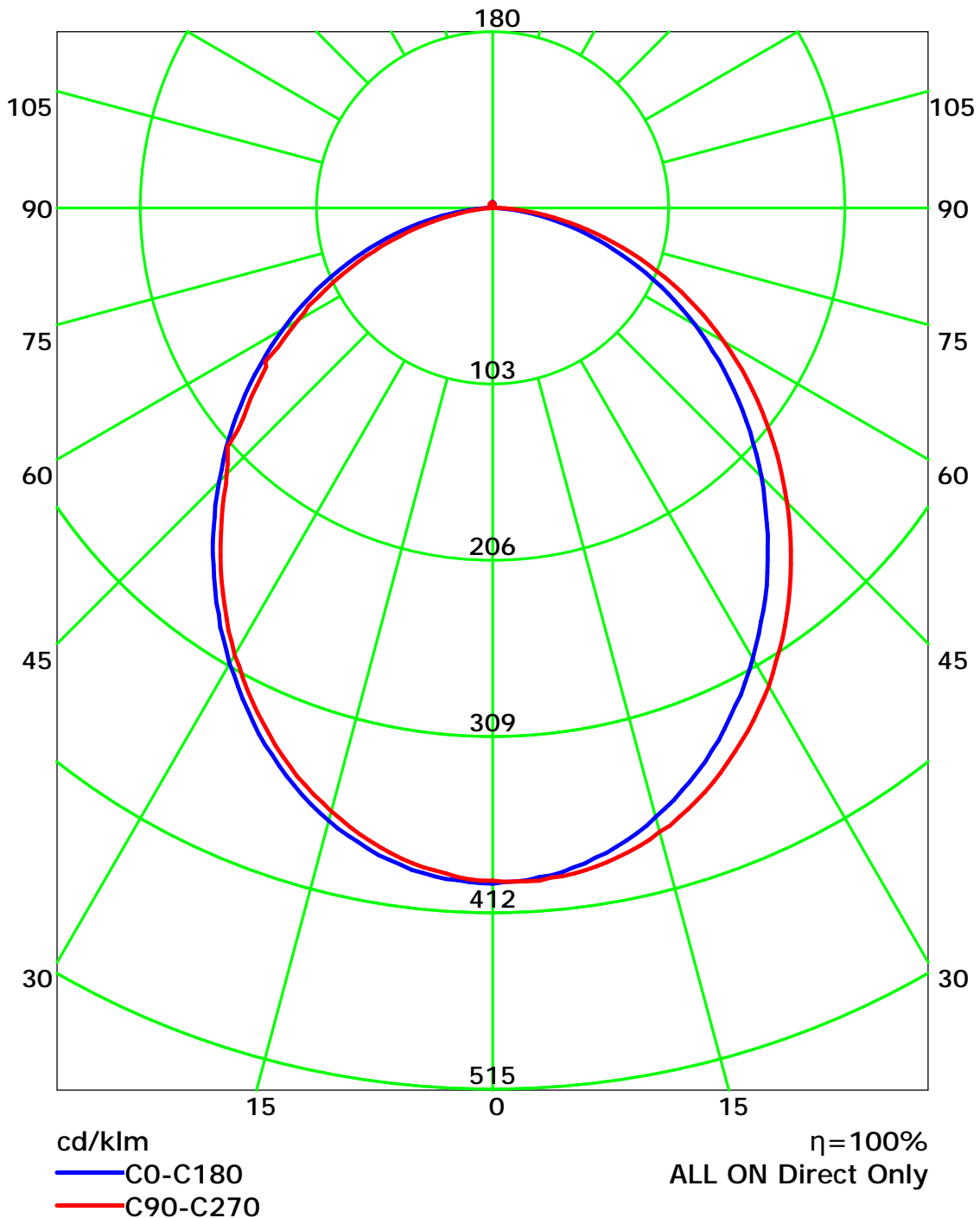
Luminous Intensity Distribution Curve



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:

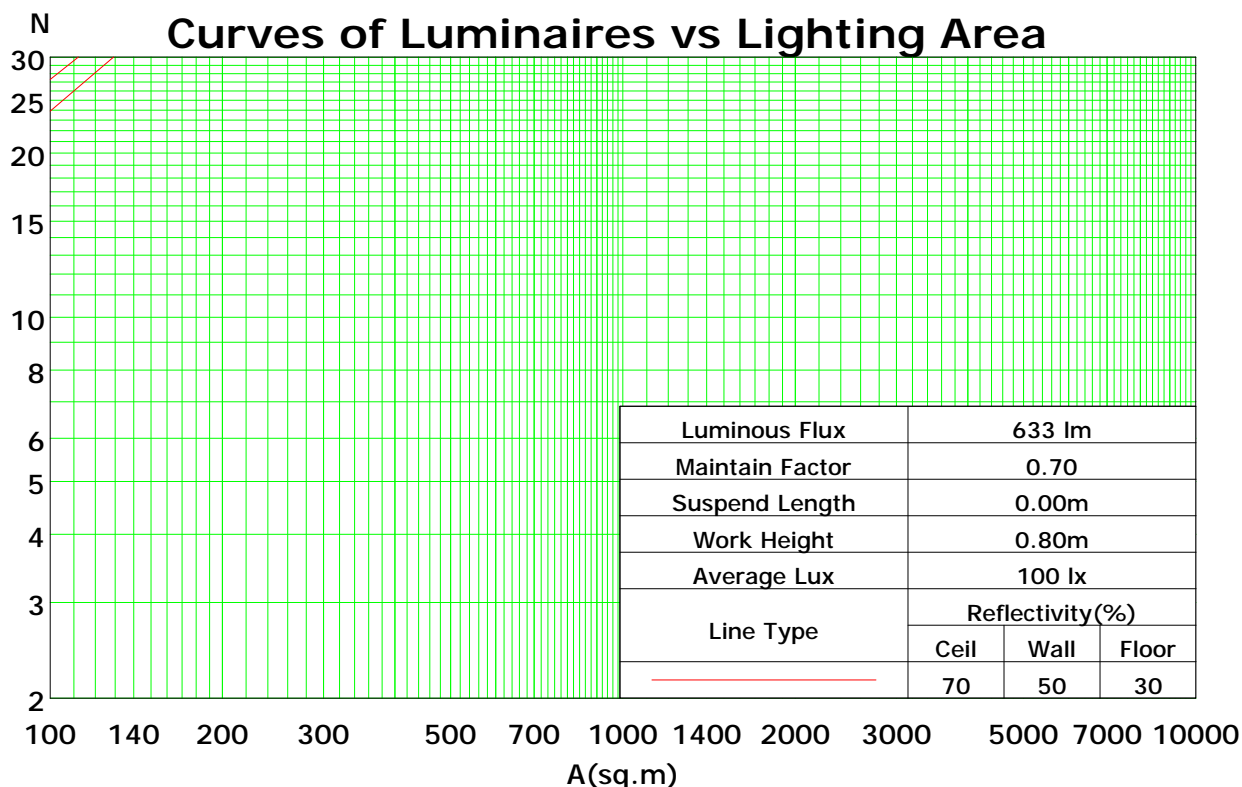
Coefficients Of Utilization - Zonal Cavity Method

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	95	98	94	92	94	91	89	90	88	86	84
2	99	91	85	79	97	89	83	78	86	81	76	82	78	74	79	76	73	70
3	91	81	73	66	88	79	72	66	76	69	64	73	68	63	70	66	62	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	49	75	63	55	49	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	43	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

Spacing Criteria (0-180): 1.16

Spacing Criteria (90-270): 1.19

Spacing Criteria (Diagonal): 1.29



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

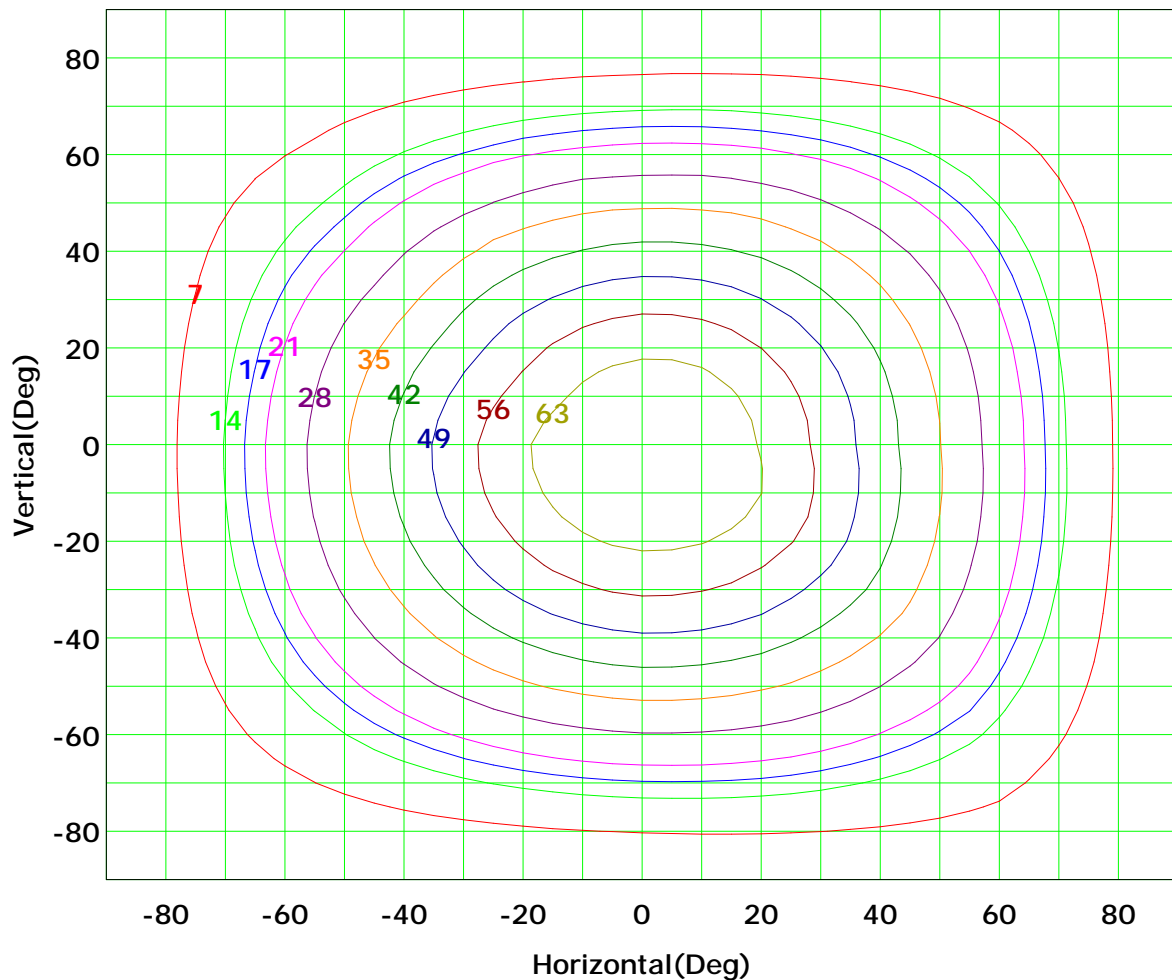
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



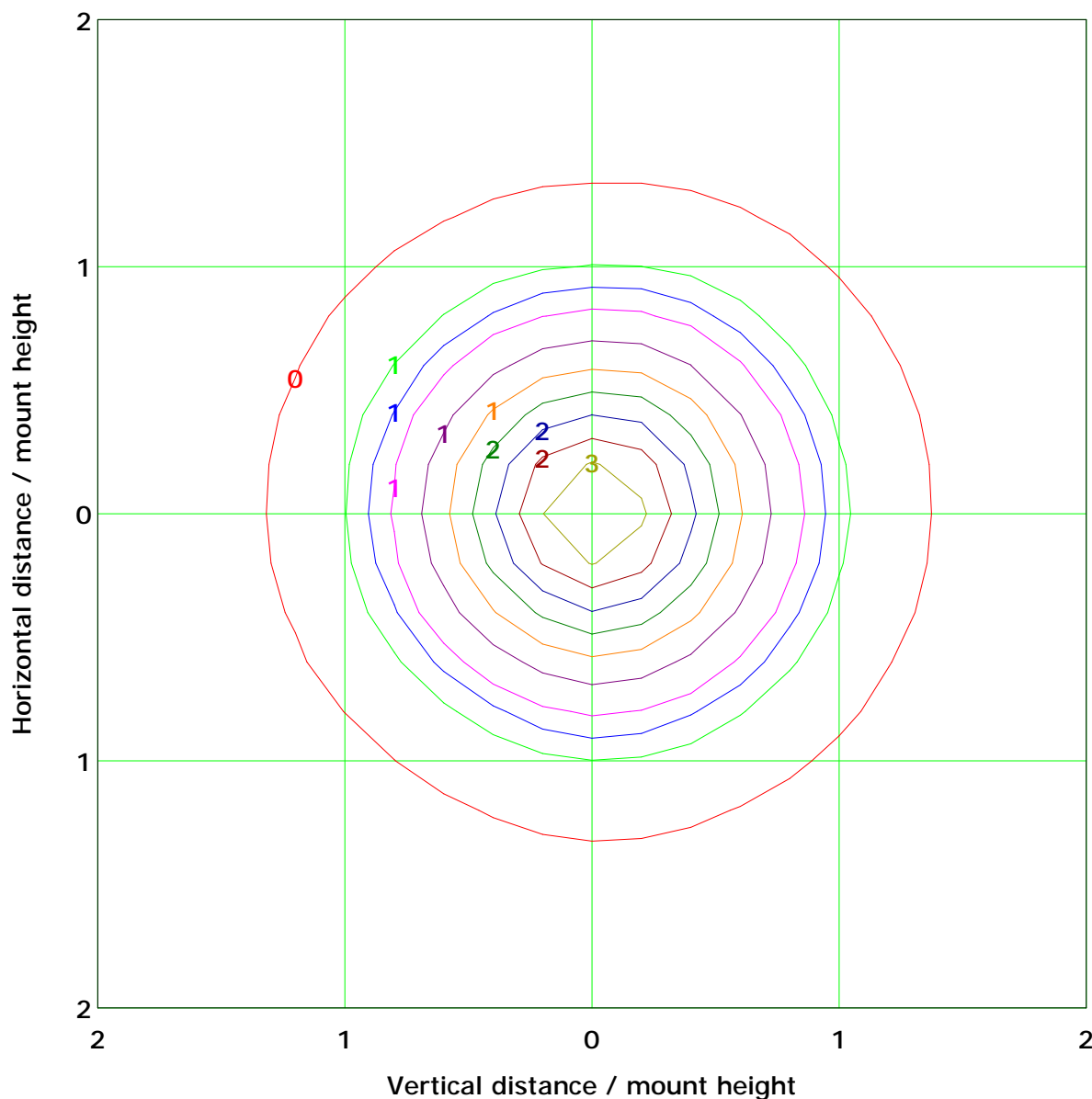
Imax (100%): 70 cd

(10%):	7 cd	(20%):	14 cd
(25%):	17 cd	(30%):	21 cd
(40%):	28 cd	(50%):	35 cd
(60%):	42 cd	(70%):	49 cd
(80%):	56 cd	(90%):	63 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%): 2.8 lx

(10%): 0.3 lx	(20%): 0.6 lx
(25%): 0.7 lx	(30%): 0.8 lx
(40%): 1.1 lx	(50%): 1.4 lx
(60%): 1.7 lx	(70%): 1.9 lx
(80%): 2.2 lx	(90%): 2.5 lx

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

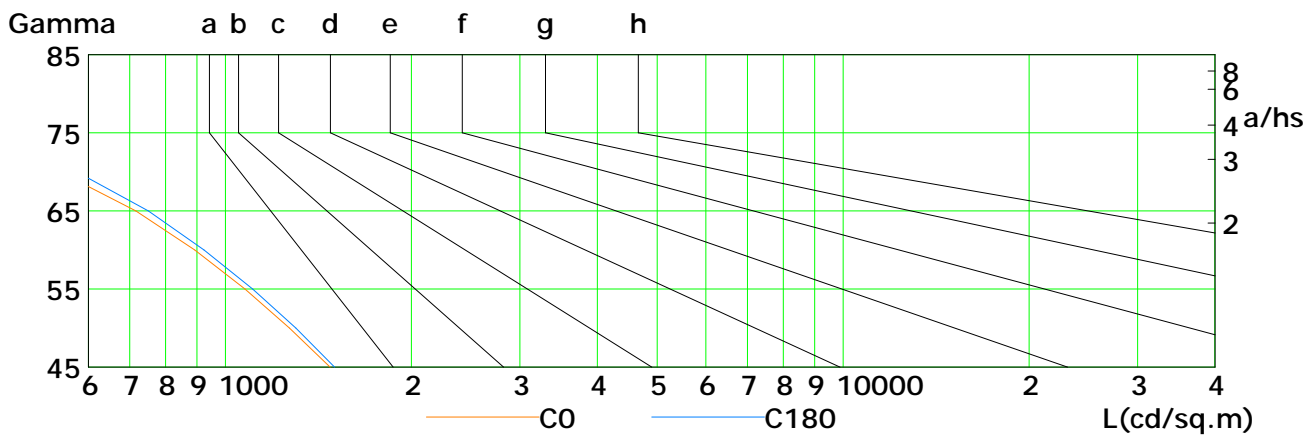
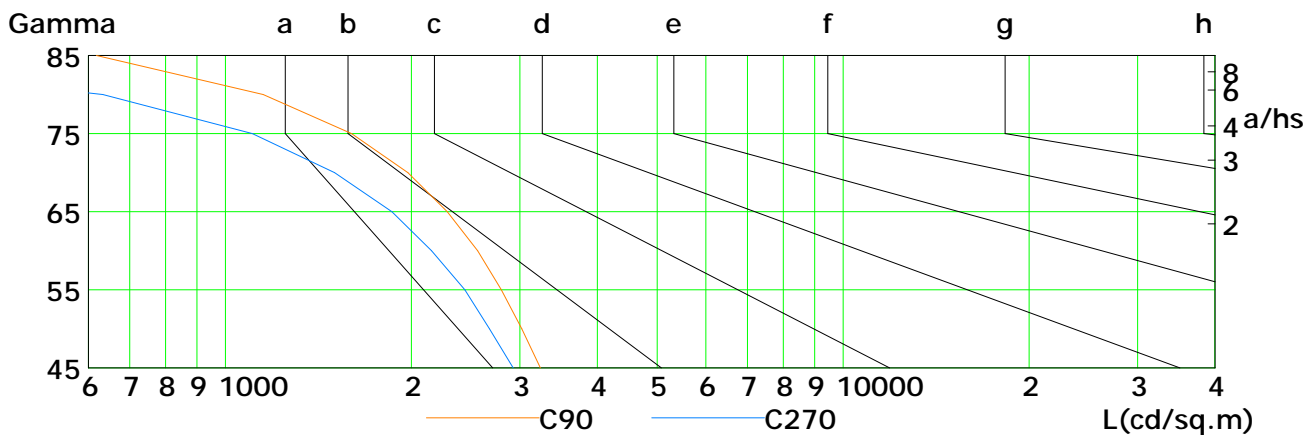
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



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



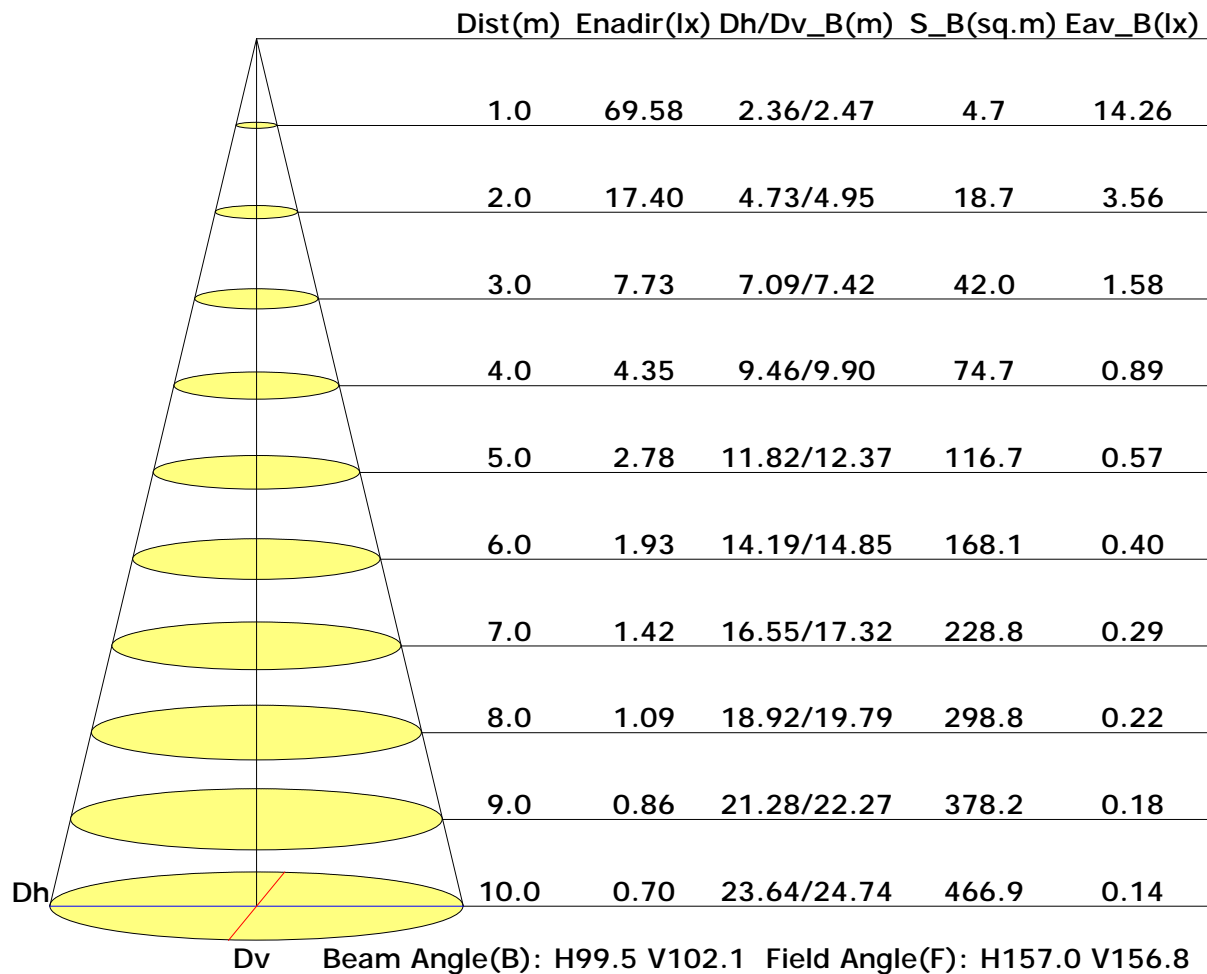
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1477	1270	1076	892	716	540	373	217	79
C90	3236	3020	2797	2561	2287	1975	1602	1151	619
C180	1504	1301	1107	924	751	575	408	248	104
C270	2925	2676	2442	2157	1860	1502	1106	634	184

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:



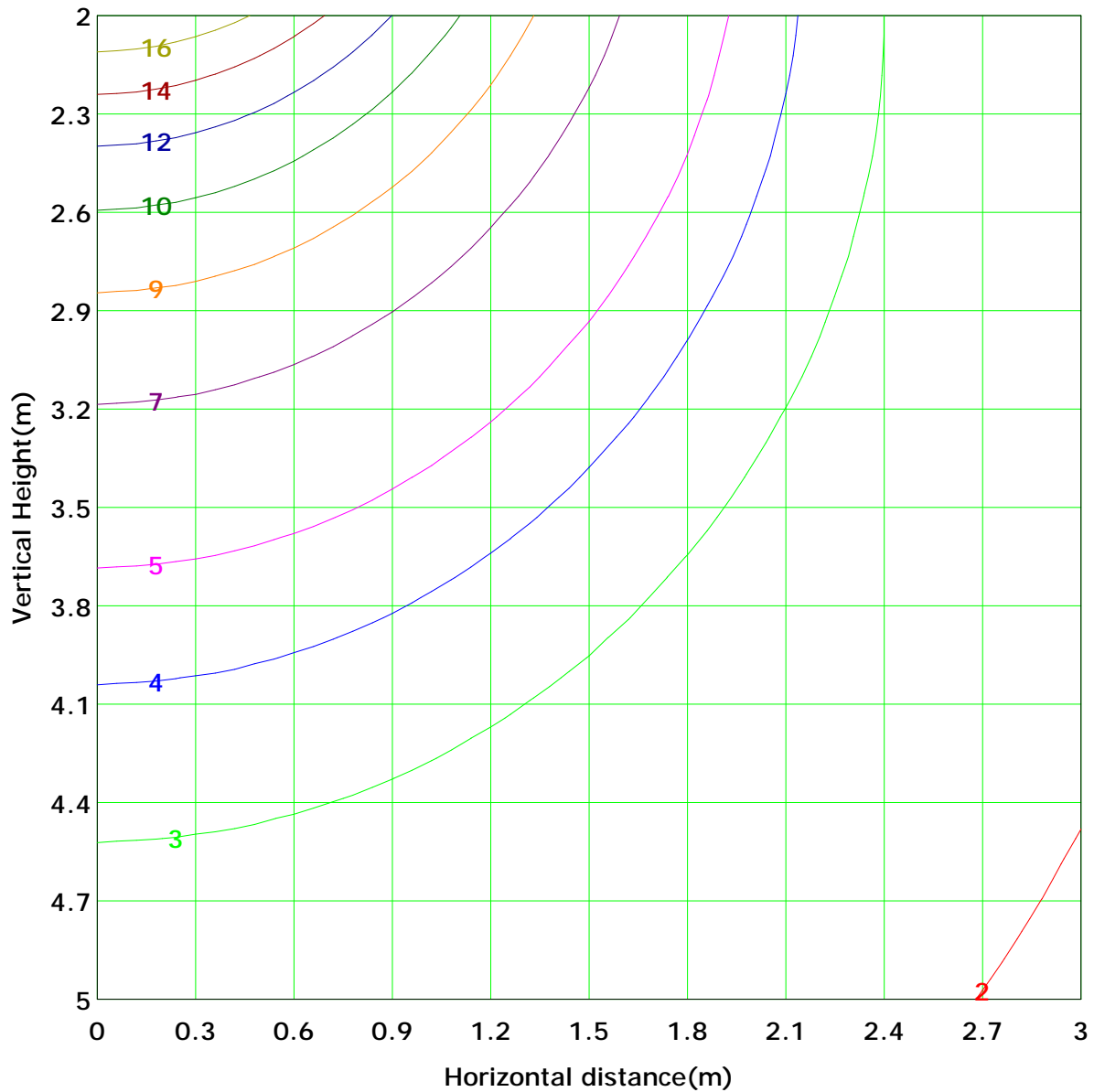
Illuminance at a Distance



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: 17.4 lx
(10%): 1.7 lx	(20%): 3.5 lx	
(25%): 4.3 lx	(30%): 5.2 lx	
(40%): 7.0 lx	(50%): 8.7 lx	
(60%): 10.4 lx	(70%): 12.2 lx	
(80%): 13.9 lx	(90%): 15.7 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

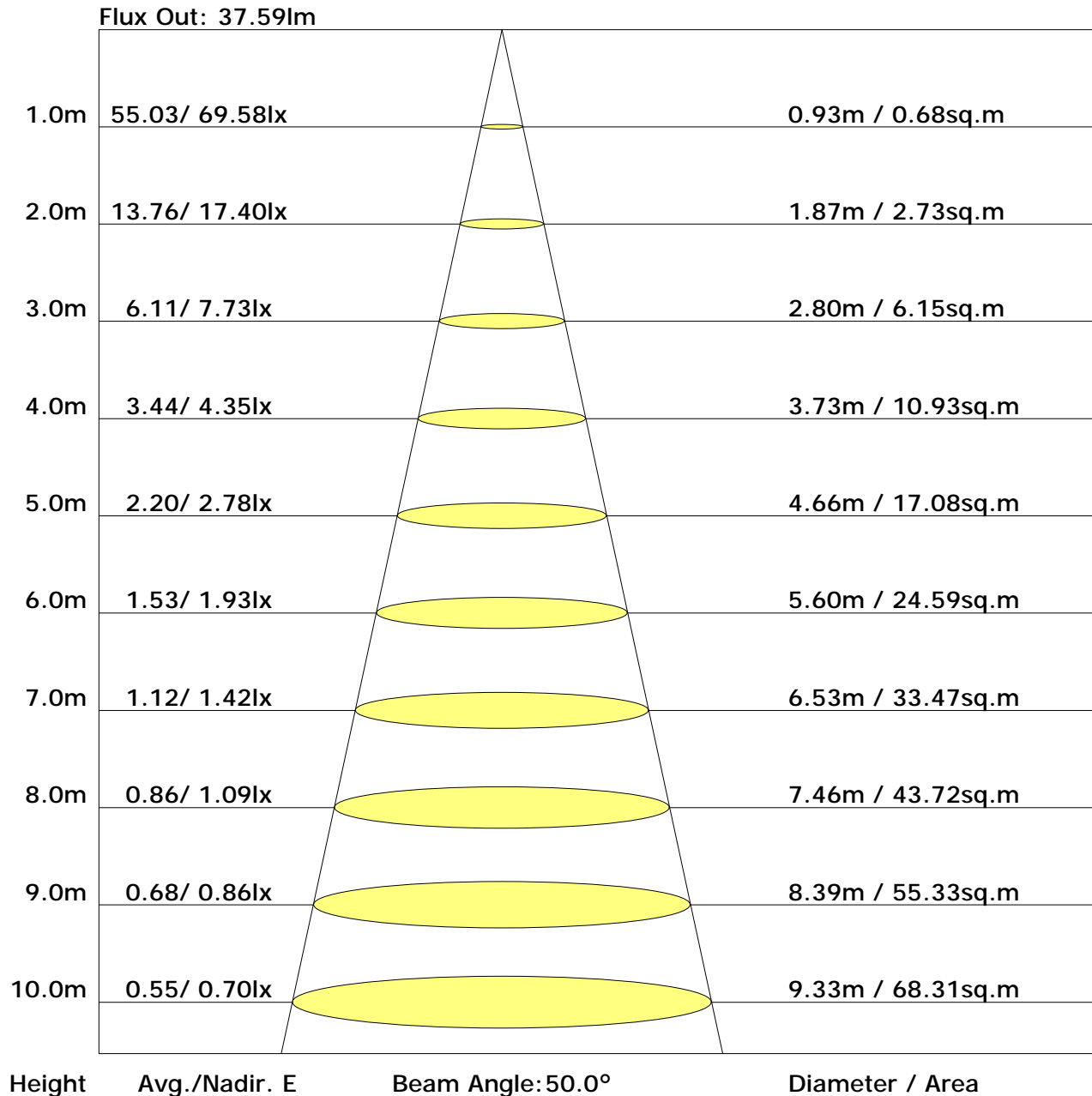
		Vertical plane																		Flux(T)		Flux(E)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80					90																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



C Plane (°):0.0-360.0: 30.0
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Gamma Plane (°):0.0-180.0: 1.0
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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	19.3	20.8	19.6	21.2	21.5	18.7	20.2	19.0	20.6	20.9
3H	20.8	22.2	21.2	22.5	22.9	20.0	21.4	20.4	21.7	22.1
4H	21.2	22.6	21.7	23.0	23.4	20.4	21.7	20.8	22.1	22.5
6H	21.5	22.8	22.0	23.2	23.6	20.6	21.8	21.0	22.2	22.6
8H	21.6	22.8	22.0	23.2	23.6	20.7	21.8	21.1	22.2	22.7
12H	21.6	22.7	22.1	23.1	23.6	20.7	21.8	21.1	22.2	22.6
X=4H Y=2H	19.6	20.9	20.0	21.3	21.7	19.2	20.6	19.6	20.9	21.3
3H	21.2	22.3	21.6	22.7	23.1	20.7	21.8	21.1	22.2	22.7
4H	21.7	22.7	22.2	23.2	23.6	21.2	22.2	21.7	22.7	23.1
6H	22.1	22.9	22.5	23.4	23.9	21.5	22.4	22.0	22.9	23.3
8H	22.1	23.0	22.6	23.4	23.9	21.6	22.4	22.1	22.9	23.4
12H	22.2	22.9	22.7	23.4	23.9	21.6	22.4	22.1	22.9	23.3
X=8H Y=4H	21.8	22.6	22.3	23.1	23.5	21.4	22.3	21.9	22.7	23.2
6H	22.1	22.8	22.7	23.3	23.8	21.8	22.5	22.3	23.0	23.5
8H	22.2	22.9	22.8	23.4	23.9	21.9	22.5	22.4	23.1	23.6
12H	22.3	22.8	22.8	23.3	23.9	22.0	22.5	22.5	23.0	23.6
X=12H Y=4H	21.8	22.5	22.3	23.0	23.5	21.5	22.2	21.9	22.7	23.2
6H	22.1	22.8	22.7	23.2	23.8	21.9	22.5	22.4	22.9	23.5
8H	22.2	22.8	22.8	23.3	23.9	22.0	22.5	22.5	23.0	23.6

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	0.58	0.69	0.76	0.81	0.88	0.93	0.96	1.01	1.04
	0.30		0.51	0.61	0.69	0.74	0.82	0.88	0.92	0.97	1.00
	0.20		0.45	0.56	0.63	0.69	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.57	0.67	0.73	0.78	0.85	0.89	0.93	0.97	0.99
	0.30		0.50	0.60	0.67	0.72	0.80	0.85	0.89	0.93	0.97
	0.20		0.45	0.55	0.62	0.68	0.76	0.81	0.85	0.91	0.94
0.30	0.50	0.20	0.55	0.65	0.71	0.76	0.82	0.86	0.89	0.93	0.95
	0.30		0.49	0.59	0.66	0.71	0.78	0.82	0.86	0.90	0.93
	0.20		0.45	0.54	0.61	0.67	0.74	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.42	0.52	0.59	0.64	0.71	0.75	0.79	0.83	0.86
Rating: 7W 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	0.97	0.79	0.67	0.59	0.47	0.39	0.33	0.26	0.21
	0.30		0.81	0.68	0.59	0.52	0.42	0.36	0.31	0.24	0.20
	0.20		0.69	0.59	0.52	0.47	0.39	0.33	0.29	0.23	0.19
0.50	0.50	0.20	0.93	0.76	0.65	0.56	0.45	0.40	0.31	0.24	0.20
	0.30		0.79	0.66	0.57	0.50	0.41	0.34	0.29	0.23	0.19
	0.20		0.68	0.58	0.51	0.45	0.37	0.32	0.28	0.22	0.18
0.30	0.50	0.20	0.90	0.73	0.62	0.54	0.42	0.35	0.30	0.23	0.19
	0.30		0.77	0.64	0.55	0.49	0.39	0.33	0.28	0.22	0.18
	0.20		0.67	0.57	0.50	0.44	0.36	0.31	0.27	0.21	0.17
0.00	0.00	0.00	0.57	0.47	0.41	0.36	0.29	0.24	0.21	0.16	0.13
Rating: 7W 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	0.15	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: 7W 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	69.4	0.1	0.1	0.04	0.04
1.0-2.0	69.3	0.2	0.3	0.11	0.15
2.0-3.0	69.3	0.3	0.6	0.19	0.34
3.0-4.0	69.2	0.5	1.1	0.26	0.60
4.0-5.0	69.0	0.6	1.7	0.34	0.94
5.0-6.0	68.8	0.7	2.4	0.41	1.35
6.0-7.0	68.6	0.9	3.2	0.48	1.84
7.0-8.0	68.3	1.0	4.2	0.56	2.39
8.0-9.0	68.0	1.1	5.3	0.63	3.02
9.0-10.0	67.7	1.2	6.5	0.70	3.72
10.0-11.0	67.3	1.3	7.9	0.77	4.48
11.0-12.0	66.9	1.5	9.3	0.83	5.31
12.0-13.0	66.5	1.6	10.9	0.90	6.21
13.0-14.0	66.0	1.7	12.6	0.96	7.17
14.0-15.0	65.5	1.8	14.4	1.02	8.19
15.0-16.0	65.0	1.9	16.3	1.08	9.28
16.0-17.0	64.5	2.0	18.3	1.14	10.42
17.0-18.0	63.9	2.1	20.4	1.20	11.62
18.0-19.0	63.2	2.2	22.6	1.25	12.87
19.0-20.0	62.6	2.3	24.9	1.30	14.17
20.0-21.0	61.9	2.4	27.3	1.35	15.52
21.0-22.0	61.2	2.5	29.8	1.40	16.92
22.0-23.0	60.5	2.5	32.3	1.44	18.36
23.0-24.0	59.8	2.6	34.9	1.49	19.85
24.0-25.0	59.0	2.7	37.6	1.52	21.37
25.0-26.0	58.2	2.7	40.3	1.56	22.94
26.0-27.0	57.4	2.8	43.1	1.60	24.53
27.0-28.0	56.6	2.9	46.0	1.63	26.16
28.0-29.0	55.7	2.9	48.9	1.66	27.82
29.0-30.0	54.9	3.0	51.9	1.69	29.50
30.0-31.0	54.0	3.0	54.9	1.71	31.21
31.0-32.0	53.1	3.0	57.9	1.73	32.94
32.0-33.0	52.2	3.1	61.0	1.75	34.69
33.0-34.0	51.3	3.1	64.1	1.77	36.46
34.0-35.0	50.4	3.1	67.3	1.78	38.24
35.0-36.0	49.5	3.2	70.4	1.79	40.03

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	48.5	3.2	73.6	1.80	41.83
37.0-38.0	47.6	3.2	76.7	1.81	43.63
38.0-39.0	46.6	3.2	79.9	1.81	45.44
39.0-40.0	45.6	3.2	83.1	1.81	47.25
40.0-41.0	44.7	3.2	86.3	1.81	49.06
41.0-42.0	43.7	3.2	89.5	1.80	50.87
42.0-43.0	42.7	3.2	92.6	1.80	52.66
43.0-44.0	41.7	3.1	95.8	1.79	54.45
44.0-45.0	40.7	3.1	98.9	1.78	56.23
45.0-46.0	39.7	3.1	102.0	1.77	58.00
46.0-47.0	38.7	3.1	105.1	1.75	59.75
47.0-48.0	37.8	3.1	108.1	1.74	61.49
48.0-49.0	36.8	3.0	111.2	1.72	63.21
49.0-50.0	35.8	3.0	114.2	1.70	64.90
50.0-51.0	34.7	2.9	117.1	1.67	66.57
51.0-52.0	33.7	2.9	120.0	1.65	68.22
52.0-53.0	32.7	2.8	122.8	1.62	69.83
53.0-54.0	31.6	2.8	125.6	1.59	71.42
54.0-55.0	30.6	2.7	128.4	1.55	72.97
55.0-56.0	29.6	2.7	131.0	1.52	74.50
56.0-57.0	28.6	2.6	133.6	1.49	75.98
57.0-58.0	27.6	2.5	136.2	1.45	77.43
58.0-59.0	26.6	2.5	138.7	1.41	78.85
59.0-60.0	25.6	2.4	141.1	1.37	80.22
60.0-61.0	24.5	2.3	143.4	1.33	81.55
61.0-62.0	23.5	2.3	145.7	1.29	82.84
62.0-63.0	22.5	2.2	147.9	1.24	84.08
63.0-64.0	21.4	2.1	150.0	1.20	85.28
64.0-65.0	20.4	2.0	152.0	1.15	86.43
65.0-66.0	19.4	1.9	154.0	1.10	87.53
66.0-67.0	18.4	1.9	155.8	1.05	88.59
67.0-68.0	17.4	1.8	157.6	1.00	89.59
68.0-69.0	16.4	1.7	159.3	0.95	90.54
69.0-70.0	15.4	1.6	160.8	0.90	91.44
70.0-71.0	14.4	1.5	162.3	0.85	92.29
71.0-72.0	13.5	1.4	163.7	0.80	93.09

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	12.5	1.3	165.0	0.74	93.83
73.0-74.0	11.5	1.2	166.3	0.69	94.52
74.0-75.0	10.6	1.1	167.4	0.64	95.16
75.0-76.0	9.7	1.0	168.4	0.58	95.74
76.0-77.0	8.8	0.9	169.3	0.53	96.27
77.0-78.0	7.9	0.8	170.2	0.48	96.75
78.0-79.0	7.0	0.8	170.9	0.43	97.18
79.0-80.0	6.2	0.7	171.6	0.38	97.56
80.0-81.0	5.3	0.6	172.2	0.33	97.89
81.0-82.0	4.6	0.5	172.7	0.28	98.17
82.0-83.0	3.8	0.4	173.1	0.24	98.40
83.0-84.0	3.1	0.3	173.4	0.19	98.60
84.0-85.0	2.5	0.3	173.7	0.15	98.75
85.0-86.0	1.9	0.2	173.9	0.12	98.87
86.0-87.0	1.4	0.1	174.0	0.09	98.95
87.0-88.0	0.9	0.1	174.1	0.06	99.01
88.0-89.0	0.6	0.1	174.2	0.03	99.04
89.0-90.0	0.3	0.0	174.2	0.02	99.06
90.0-91.0	0.2	0.0	174.3	0.01	99.08
91.0-92.0	0.1	0.0	174.3	0.01	99.08
92.0-93.0	0.1	0.0	174.3	0.00	99.09
93.0-94.0	0.1	0.0	174.3	0.00	99.09
94.0-95.0	0.1	0.0	174.3	0.00	99.10
95.0-96.0	0.1	0.0	174.3	0.01	99.10
96.0-97.0	0.1	0.0	174.3	0.01	99.11
97.0-98.0	0.1	0.0	174.3	0.01	99.11
98.0-99.0	0.1	0.0	174.3	0.01	99.12
99.0-100.0	0.1	0.0	174.4	0.01	99.13
100.0-101.0	0.1	0.0	174.4	0.01	99.13
101.0-102.0	0.1	0.0	174.4	0.01	99.14
102.0-103.0	0.1	0.0	174.4	0.01	99.15
103.0-104.0	0.1	0.0	174.4	0.01	99.15
104.0-105.0	0.1	0.0	174.4	0.01	99.16
105.0-106.0	0.1	0.0	174.4	0.01	99.17
106.0-107.0	0.1	0.0	174.4	0.01	99.18
107.0-108.0	0.1	0.0	174.5	0.01	99.19

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	174.5	0.01	99.20
109.0-110.0	0.2	0.0	174.5	0.01	99.21
110.0-111.0	0.2	0.0	174.5	0.01	99.22
111.0-112.0	0.2	0.0	174.5	0.01	99.23
112.0-113.0	0.2	0.0	174.6	0.01	99.24
113.0-114.0	0.2	0.0	174.6	0.01	99.25
114.0-115.0	0.2	0.0	174.6	0.01	99.26
115.0-116.0	0.2	0.0	174.6	0.01	99.27
116.0-117.0	0.2	0.0	174.6	0.01	99.29
117.0-118.0	0.2	0.0	174.7	0.01	99.30
118.0-119.0	0.2	0.0	174.7	0.01	99.31
119.0-120.0	0.2	0.0	174.7	0.01	99.32
120.0-121.0	0.2	0.0	174.7	0.01	99.34
121.0-122.0	0.3	0.0	174.7	0.01	99.35
122.0-123.0	0.3	0.0	174.8	0.01	99.36
123.0-124.0	0.3	0.0	174.8	0.01	99.38
124.0-125.0	0.3	0.0	174.8	0.01	99.39
125.0-126.0	0.3	0.0	174.8	0.01	99.41
126.0-127.0	0.3	0.0	174.9	0.01	99.42
127.0-128.0	0.3	0.0	174.9	0.01	99.44
128.0-129.0	0.3	0.0	174.9	0.01	99.45
129.0-130.0	0.3	0.0	174.9	0.01	99.46
130.0-131.0	0.3	0.0	175.0	0.01	99.48
131.0-132.0	0.3	0.0	175.0	0.01	99.49
132.0-133.0	0.3	0.0	175.0	0.02	99.51
133.0-134.0	0.4	0.0	175.1	0.02	99.53
134.0-135.0	0.3	0.0	175.1	0.02	99.54
135.0-136.0	0.3	0.0	175.1	0.02	99.56
136.0-137.0	0.4	0.0	175.1	0.02	99.57
137.0-138.0	0.4	0.0	175.2	0.02	99.59
138.0-139.0	0.4	0.0	175.2	0.02	99.60
139.0-140.0	0.4	0.0	175.2	0.02	99.62
140.0-141.0	0.4	0.0	175.2	0.02	99.63
141.0-142.0	0.4	0.0	175.3	0.02	99.65
142.0-143.0	0.4	0.0	175.3	0.02	99.66
143.0-144.0	0.4	0.0	175.3	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	0.4	0.0	175.4	0.01	99.69
145.0-146.0	0.4	0.0	175.4	0.01	99.71
146.0-147.0	0.4	0.0	175.4	0.01	99.72
147.0-148.0	0.4	0.0	175.4	0.01	99.74
148.0-149.0	0.4	0.0	175.5	0.01	99.75
149.0-150.0	0.4	0.0	175.5	0.01	99.76
150.0-151.0	0.5	0.0	175.5	0.01	99.78
151.0-152.0	0.5	0.0	175.5	0.01	99.79
152.0-153.0	0.4	0.0	175.5	0.01	99.80
153.0-154.0	0.5	0.0	175.6	0.01	99.82
154.0-155.0	0.5	0.0	175.6	0.01	99.83
155.0-156.0	0.5	0.0	175.6	0.01	99.84
156.0-157.0	0.5	0.0	175.6	0.01	99.85
157.0-158.0	0.5	0.0	175.7	0.01	99.87
158.0-159.0	0.5	0.0	175.7	0.01	99.88
159.0-160.0	0.5	0.0	175.7	0.01	99.89
160.0-161.0	0.5	0.0	175.7	0.01	99.90
161.0-162.0	0.5	0.0	175.7	0.01	99.91
162.0-163.0	0.5	0.0	175.7	0.01	99.92
163.0-164.0	0.5	0.0	175.8	0.01	99.93
164.0-165.0	0.5	0.0	175.8	0.01	99.94
165.0-166.0	0.5	0.0	175.8	0.01	99.94
166.0-167.0	0.5	0.0	175.8	0.01	99.95
167.0-168.0	0.5	0.0	175.8	0.01	99.96
168.0-169.0	0.5	0.0	175.8	0.01	99.96
169.0-170.0	0.5	0.0	175.8	0.01	99.97
170.0-171.0	0.5	0.0	175.8	0.01	99.98
171.0-172.0	0.5	0.0	175.9	0.00	99.98
172.0-173.0	0.5	0.0	175.9	0.00	99.99
173.0-174.0	0.5	0.0	175.9	0.00	99.99
174.0-175.0	0.6	0.0	175.9	0.00	99.99
175.0-176.0	0.6	0.0	175.9	0.00	100.00
176.0-177.0	0.6	0.0	175.9	0.00	100.00
177.0-178.0	0.6	0.0	175.9	0.00	100.00
178.0-179.0	0.6	0.0	175.9	0.00	100.00
179.0-180.0	0.6	0.0	175.9	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: