GENLED Brands
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Report No.: **Test Time: 2023/8/29 15:23**

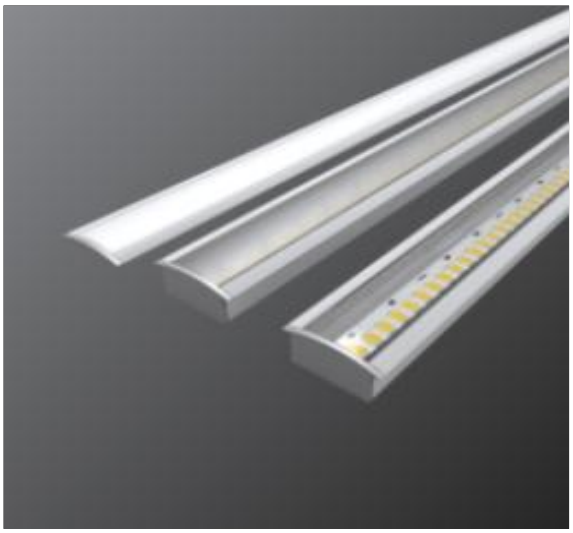
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAR1C90SWS2203.030
Luminous Length (mm): 500 **Luminous Width (mm): 22.9**
Luminous Height (mm): 7.87 **Voltage: 24.0V**
Current: 0.205 A **Power: 4.93 W**
Power Factor: 1.000

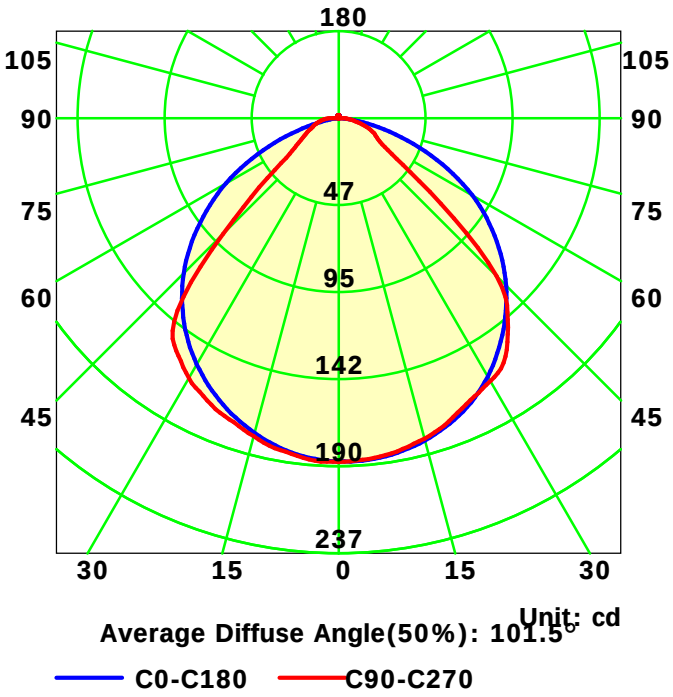
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 454.1 lm**
Measurement Flux: 454.1 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H152.9,H110.5
Vertical Diffuse Angle(10%,50%): V135.5,V92.6
Luminaire Efficacy Rating (LER): 92 **Central Intensity: 187.5 cd**
Max. Intensity: 187.84 cd **Pos of Max. Intensity: H270 V3**

Picture Of Luminaire

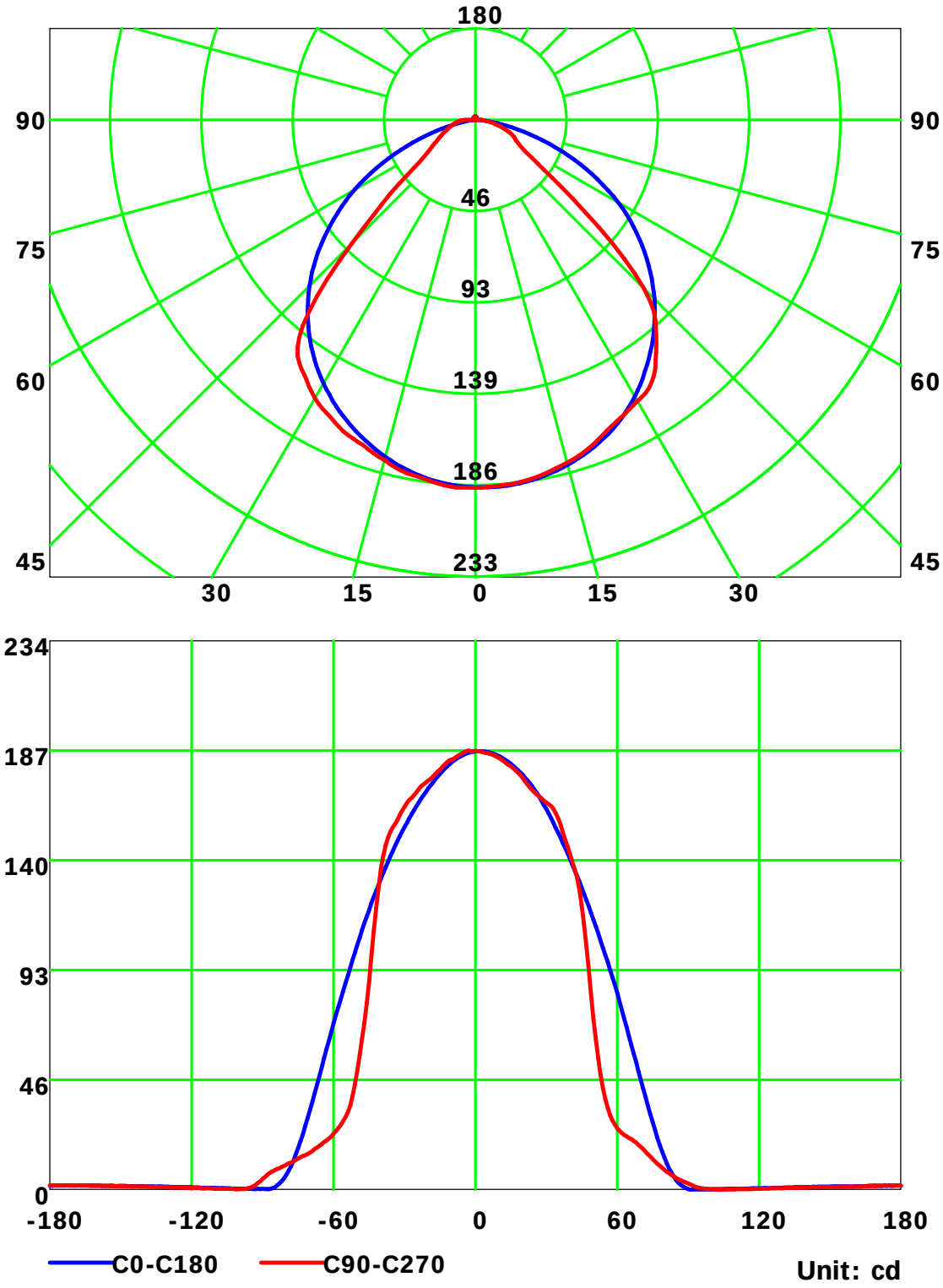


Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0 **Gamma Plane (°):0.0-180.0:1.0**
Test Lab: **Test Device: GPM-1800B**
Test Type: TYPE C **Distance: 9.028 m**
Temperature: 25 **Humidity: 60%**
Operator: Nick **Inspector:**

Luminous Intensity Distribution Curve



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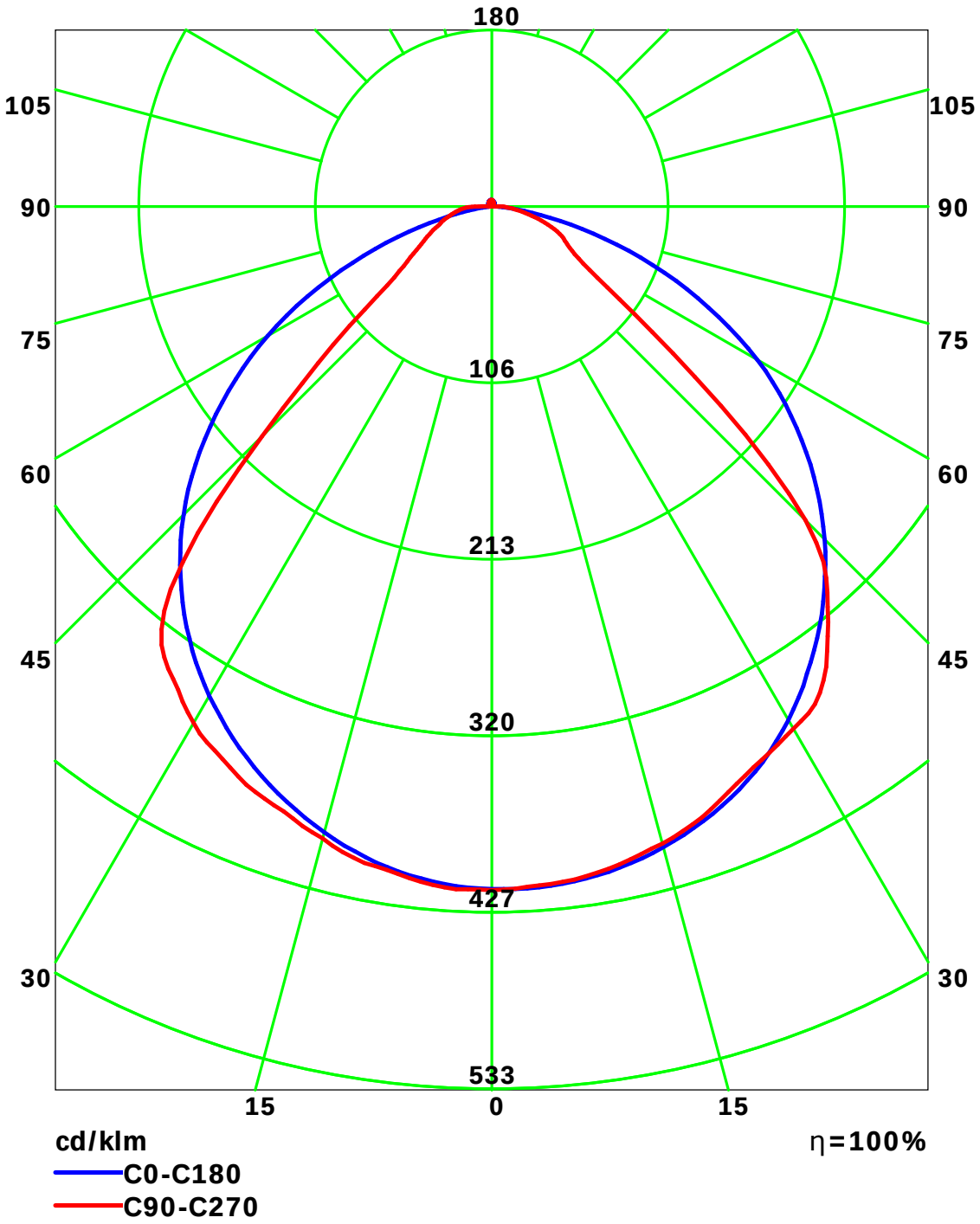
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

Luminous Intensity Distribution Curve(cd/klm)



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

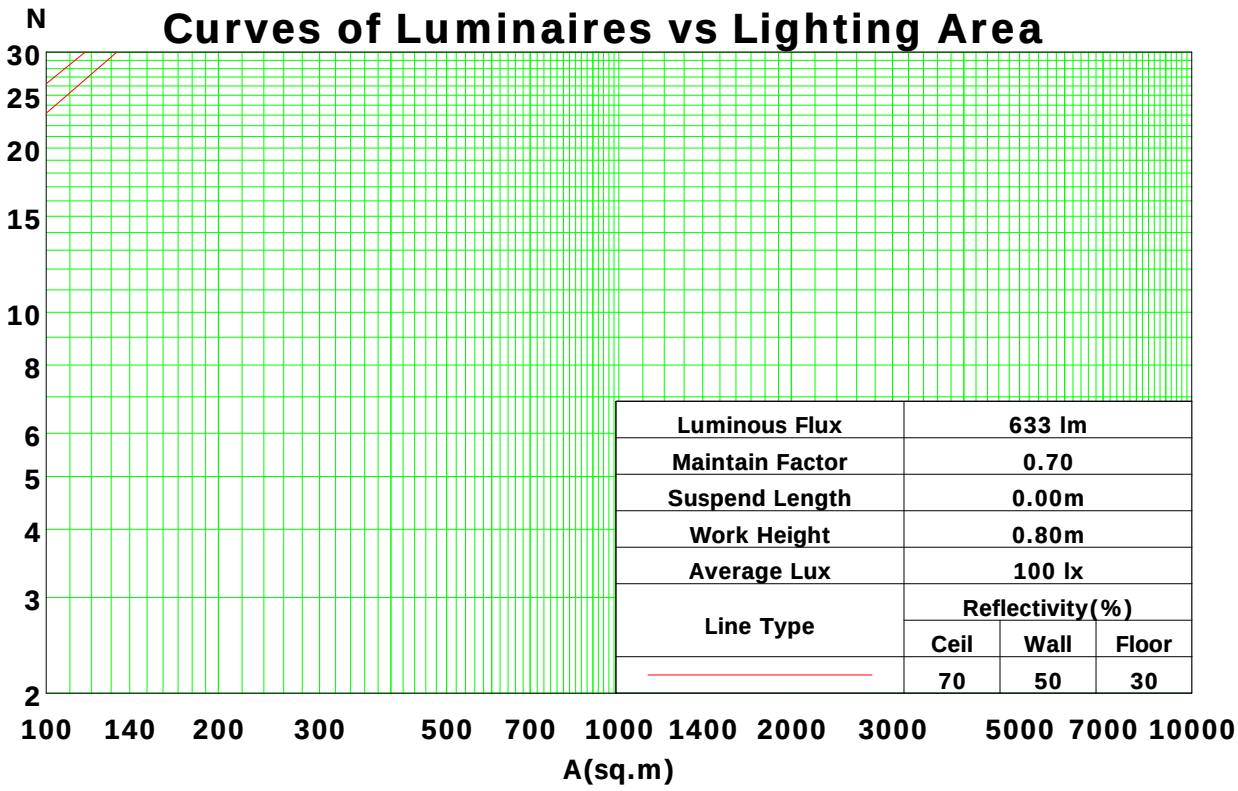
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	110	110	110	105	105	105	101	101	101	99
1	110	106	102	99	107	104	100	97	99	96	94	95	93	91	91	90	88	86
2	101	94	88	83	99	92	87	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	71	91	82	75	70	79	73	68	76	71	67	74	69	66	64
4	86	75	67	61	84	74	66	60	71	64	59	69	63	58	66	62	58	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	60	55	51	49
6	73	61	53	47	72	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	56	47	42	67	55	47	41	53	46	41	52	45	41	50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	35	30	42	35	30	41	34	30	40	34	30	28

Spacing Criteria (0-180): 1.26
Spacing Criteria (90-270): 1.31
Spacing Criteria (Diagonal): 1.38

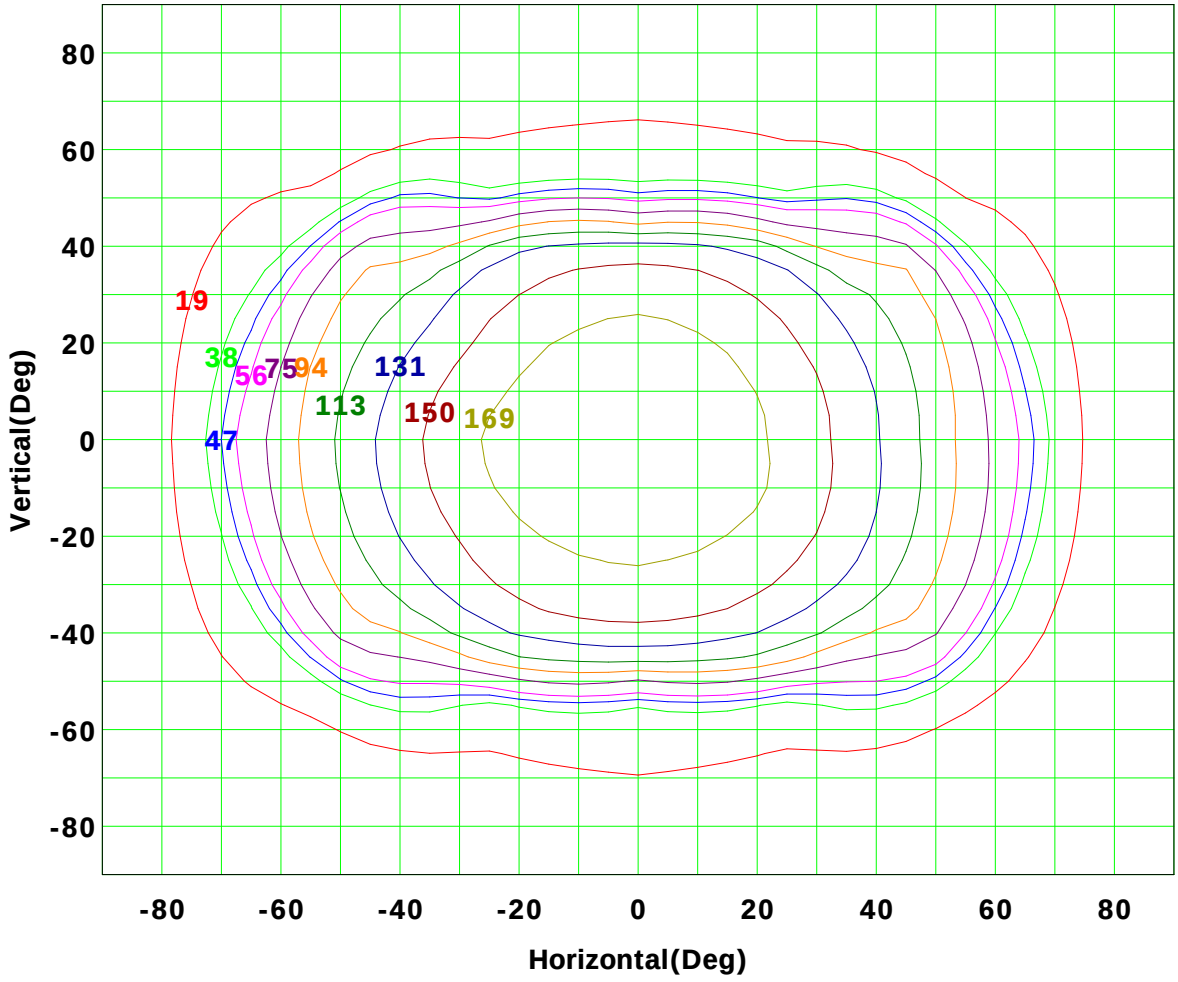
Curves of Luminaires vs Lighting Area



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)



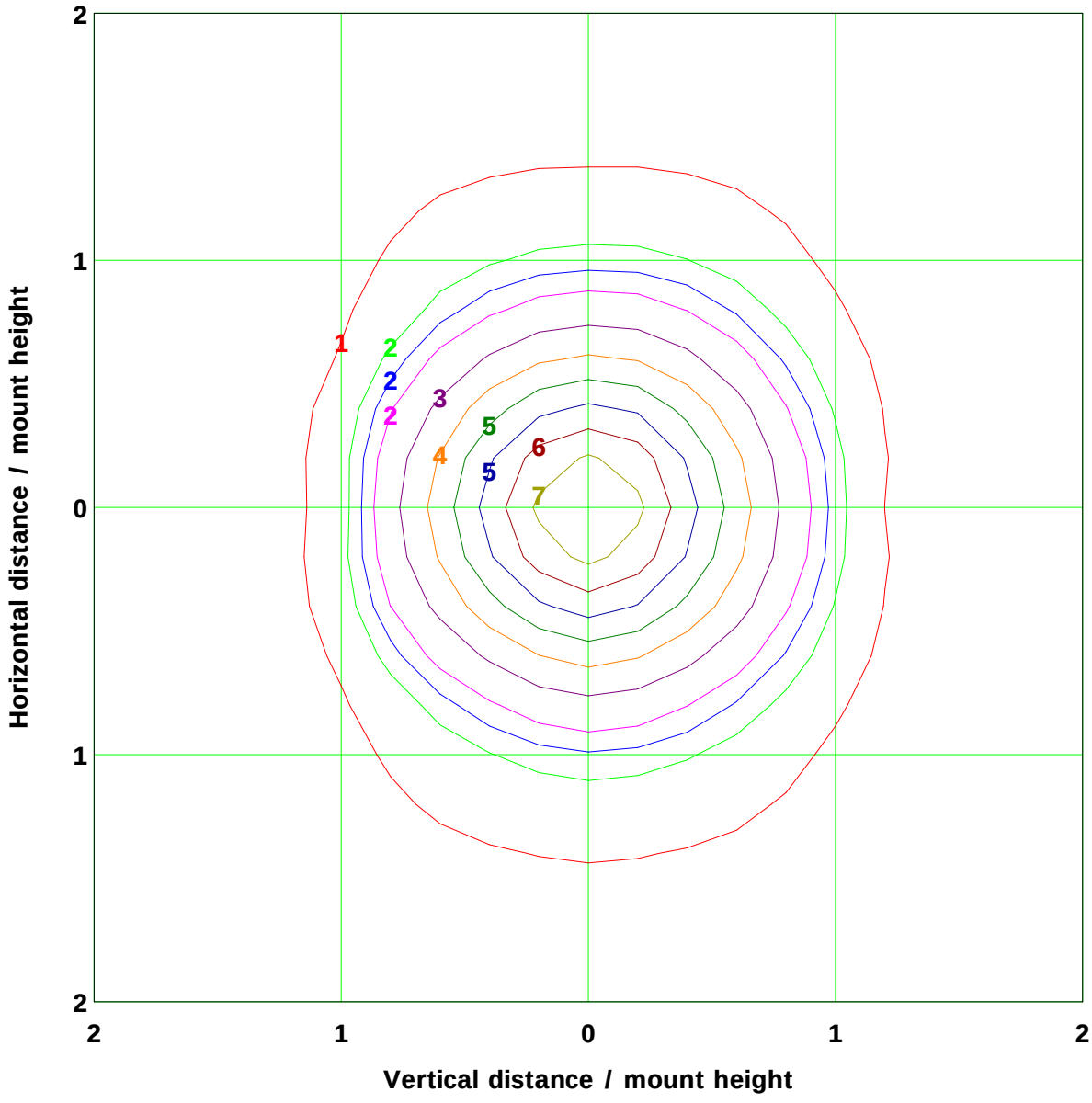
Imax (100%): 188 cd

(10%):	19 cd	(20%):	38 cd
(25%):	47 cd	(30%):	56 cd
(40%):	75 cd	(50%):	94 cd
(60%):	113 cd	(70%):	131 cd
(80%):	150 cd	(90%):	169 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%): 7.5 lx

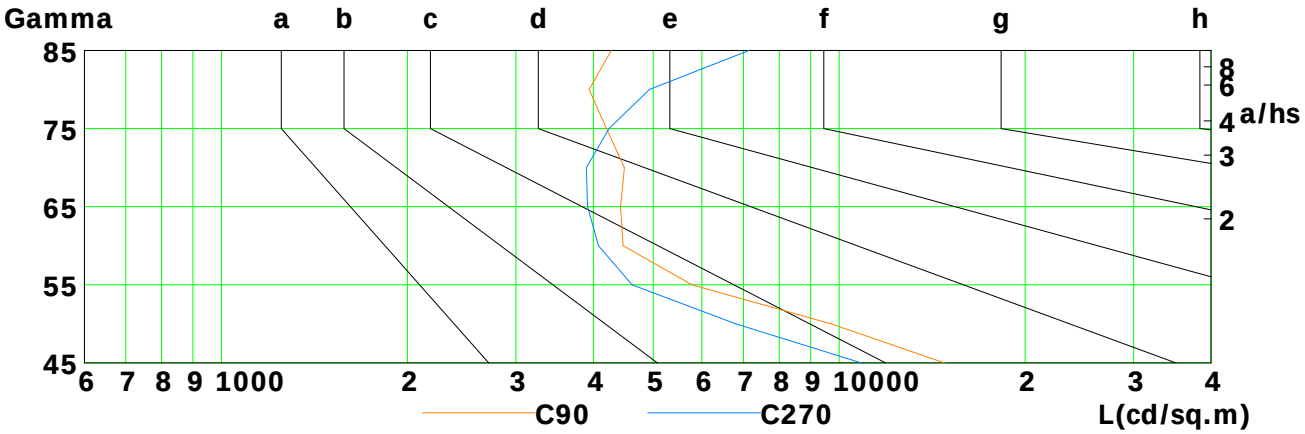
(10%): 0.8 lx	(20%): 1.5 lx
(25%): 1.9 lx	(30%): 2.3 lx
(40%): 3.0 lx	(50%): 3.8 lx
(60%): 4.5 lx	(70%): 5.3 lx
(80%): 6.0 lx	(90%): 6.8 lx

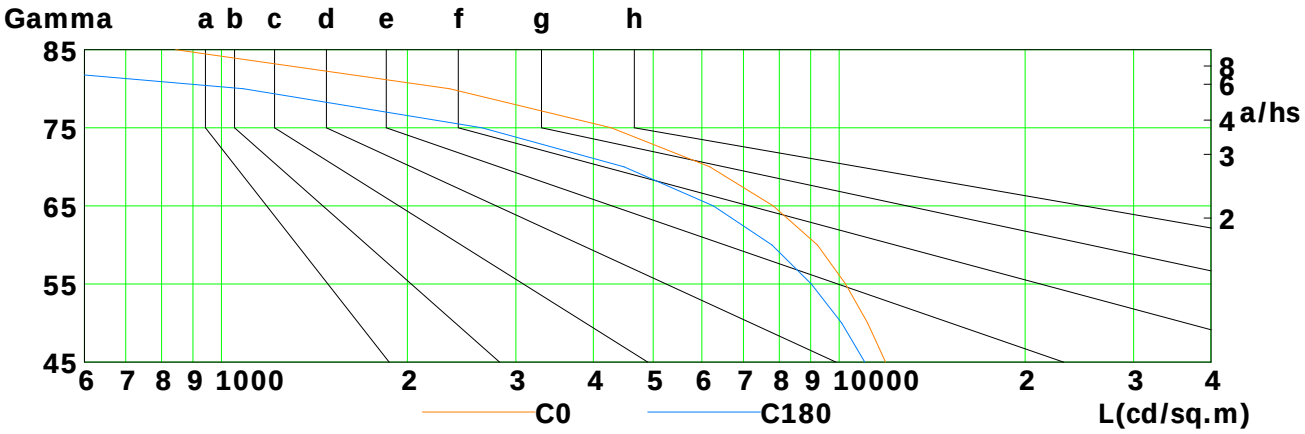
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

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



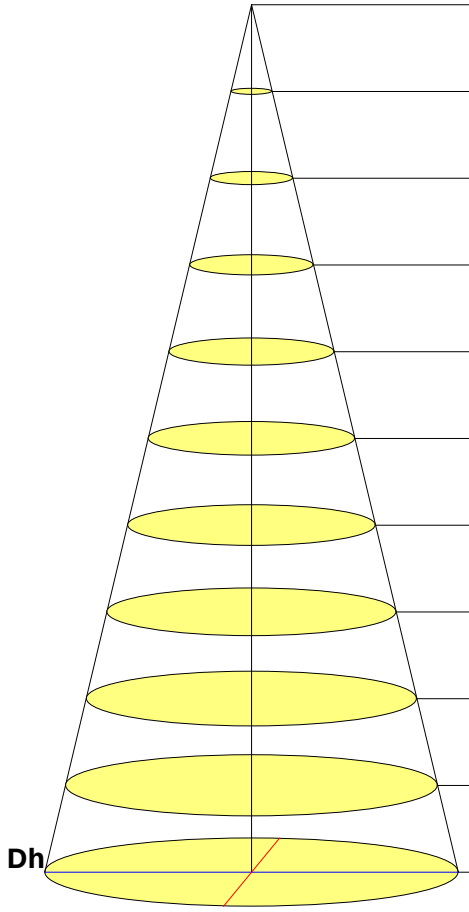


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	11888	11132	10250	9221	7821	6176	4278	2342	844
C90	14820	9716	5777	4474	4430	4492	4201	3939	4280
C180	11010	10101	9017	7791	6262	4488	2643	1086	207
C270	10860	6803	4621	4077	3918	3897	4245	4931	7142

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



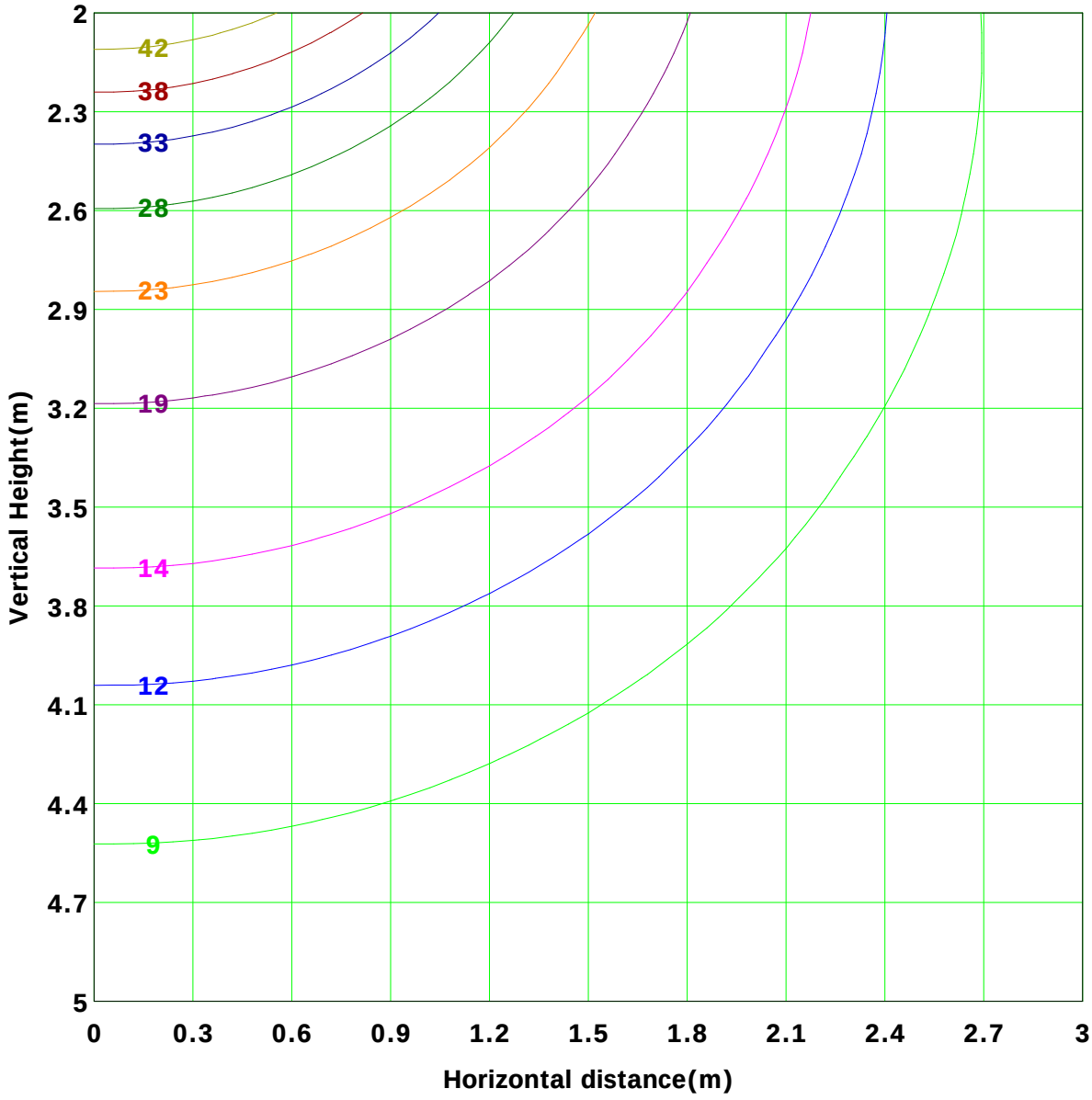
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	187.50	2.88/2.09	5.3	35.49
2.0	46.88	5.76/4.18	21.4	8.87
3.0	20.83	8.65/6.27	48.1	3.94
4.0	11.72	11.53/8.36	85.5	2.22
5.0	7.50	14.41/10.46	133.6	1.42
6.0	5.21	17.29/12.55	192.4	0.99
7.0	3.83	20.18/14.64	261.9	0.72
8.0	2.93	23.06/16.73	342.1	0.55
9.0	2.31	25.94/18.82	433.0	0.44
10.0	1.88	28.82/20.91	534.5	0.35

Beam Angle(B): H110.5 V92.6 Field Angle(F): H152.9 V135.5

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: 46.9 lx

(10%): 4.7 lx	(20%): 9.4 lx
(25%): 11.7 lx	(30%): 14.1 lx
(40%): 18.8 lx	(50%): 23.4 lx
(60%): 28.1 lx	(70%): 32.8 lx
(80%): 37.5 lx	(90%): 42.2 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

-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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.5
0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.3	4.5
0.0	0.0	0.1	0.1	0.3	0.5	0.9	1.3	1.5	1.6	1.5	1.5	1.3	1.2	0.9	0.5	0.2	0.1	0.0	13.4	12.5
0.0	0.0	0.1	0.2	0.5	1.2	1.9	2.3	2.5	2.6	2.6	2.5	2.3	2.1	1.9	1.2	0.5	0.2	0.1	23.8	22.8
0.1	0.2	0.4	0.8	1.6	2.6	3.2	3.5	3.6	3.6	3.6	3.5	3.2	2.9	2.6	1.6	0.8	0.4	0.1	33.2	32.0
0.1	0.3	0.4	0.8	2.0	3.6	4.1	4.3	4.5	4.5	4.5	4.3	4.1	3.8	3.6	2.0	0.8	0.4	0.1	41.7	40.3
0.2	0.3	0.5	1.0	2.6	4.7	5.0	5.2	5.2	5.2	5.2	5.0	4.7	4.4	4.3	2.6	1.0	0.5	0.1	49.0	47.6
0.2	0.4	0.6	1.0	2.8	5.1	5.4	5.6	5.6	5.6	5.6	5.4	5.1	4.7	4.6	2.8	1.0	0.6	0.2	52.8	51.3
0.2	0.4	0.6	1.0	2.9	5.1	5.4	5.6	5.6	5.5	5.5	5.1	4.7	4.7	4.6	2.9	1.0	0.6	0.2	53.0	51.5
0.2	0.3	0.5	1.0	2.7	4.8	5.1	5.3	5.3	5.1	4.8	4.4	4.4	4.1	4.3	2.7	1.0	0.5	0.1	49.7	48.3
0.1	0.3	0.5	0.8	2.2	4.1	4.4	4.6	4.7	4.5	4.1	3.8	3.3	3.1	3.6	2.2	0.8	0.5	0.1	42.7	41.3
0.1	0.2	0.4	0.8	1.7	3.2	3.6	3.8	3.8	3.6	3.2	3.0	2.8	2.6	2.7	1.7	0.8	0.4	0.1	34.1	33.0
0.0	0.1	0.3	0.6	1.3	2.3	2.6	2.7	2.8	2.7	2.3	2.1	1.9	1.8	2.0	1.3	0.6	0.3	0.1	25.0	24.0
0.0	0.1	0.2	0.4	1.1	1.6	1.8	1.7	1.7	1.7	1.4	1.3	1.2	1.1	1.1	0.6	0.3	0.2	0.0	14.9	14.0
0.0	0.0	0.1	0.3	0.7	0.9	1.0	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.2	0.1	0.0	6.7	6.0
0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	2.0	1.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
1.4	2.8	4.9	9.3	22.9	37.2	43.1	46.5	48.7	49.0	47.5	44.4	39.5	28.6	12.4	5.8	3.2	1.2	449		431
0.0	0.0	1.6	8.3	22.5	37.1	43.0	46.4	48.6	48.9	47.4	44.3	39.4	28.4	11.8	3.3	0.0	0.0		449	431

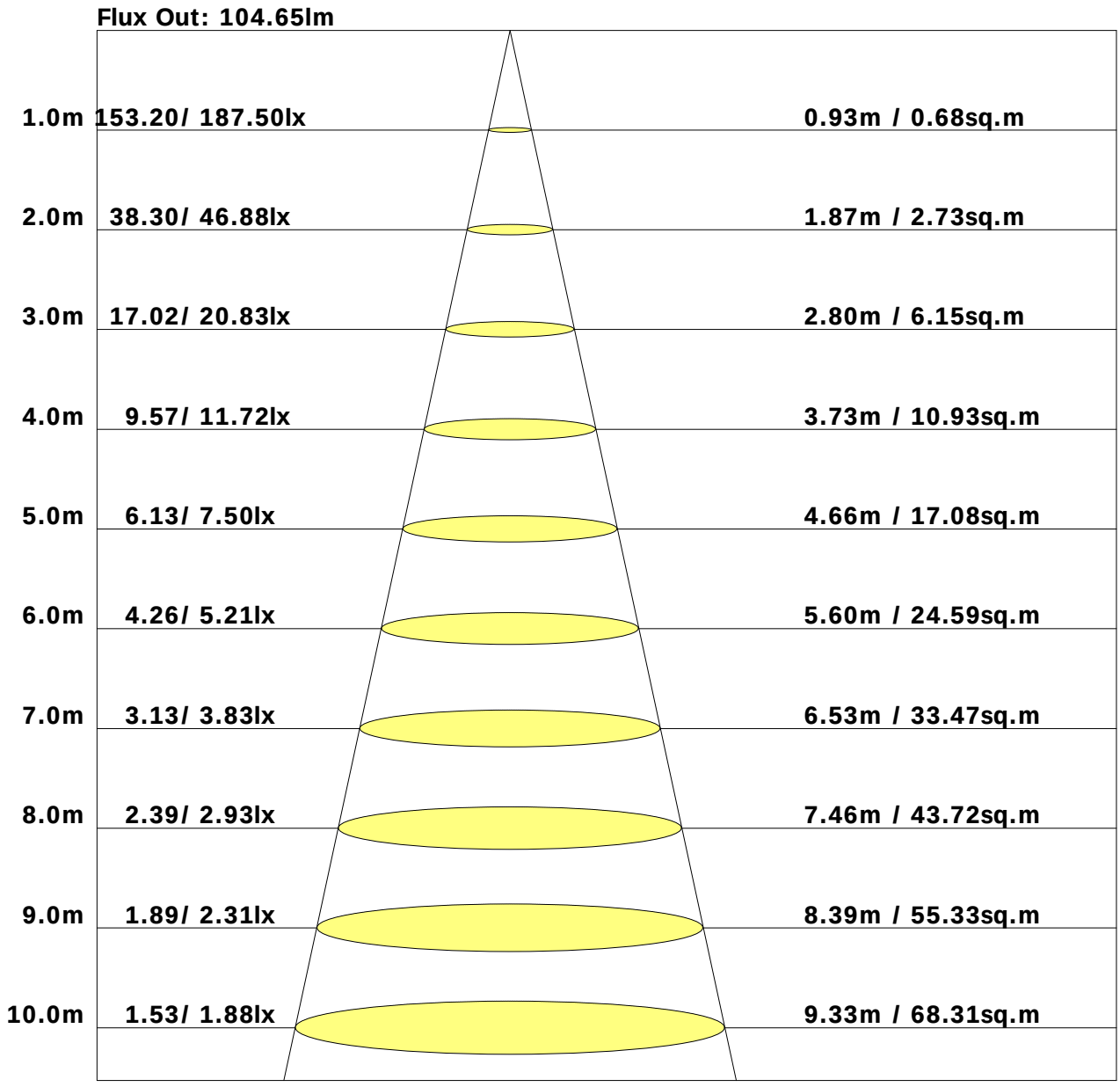
Horizontal plane

Flux(T) Flux(E)

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



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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:

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	24.4	25.8	24.7	26.2	26.5	17.1	18.6	17.5	18.9	19.3
3H	25.5	26.8	25.9	27.1	27.5	18.2	19.5	18.6	19.9	20.3
4H	25.8	27.1	26.2	27.4	27.8	18.7	19.9	19.1	20.3	20.7
6H	26.0	27.2	26.5	27.6	28.0	19.0	20.1	19.4	20.5	20.9
8H	26.1	27.2	26.5	27.6	28.0	19.1	20.1	19.5	20.6	21.0
12H	26.1	27.1	26.5	27.5	28.0	19.1	20.2	19.6	20.6	21.0
X=4H Y=2H	24.3	25.6	24.7	25.9	26.3	18.3	19.5	18.7	19.9	20.3
3H	25.5	26.5	25.9	26.9	27.3	19.4	20.4	19.8	20.8	21.2
4H	25.9	26.8	26.3	27.2	27.7	19.8	20.7	20.3	21.2	21.6
6H	26.1	26.9	26.6	27.4	27.9	20.2	21.0	20.7	21.4	21.9
8H	26.2	26.9	26.7	27.4	27.9	20.3	21.0	20.8	21.5	22.0
12H	26.2	26.9	26.7	27.4	27.9	20.4	21.0	20.9	21.5	22.0
X=8H Y=4H	25.8	26.5	26.3	27.0	27.5	20.0	20.8	20.5	21.2	21.7
6H	26.1	26.7	26.6	27.2	27.7	20.5	21.1	21.0	21.6	22.1
8H	26.1	26.7	26.7	27.2	27.7	20.6	21.2	21.2	21.7	22.2
12H	26.2	26.6	26.7	27.2	27.8	20.8	21.3	21.3	21.8	22.4
X=12H Y=4H	25.8	26.4	26.3	26.9	27.4	20.0	20.7	20.5	21.2	21.7
6H	26.0	26.6	26.6	27.1	27.6	20.5	21.0	21.0	21.5	22.1
8H	26.1	26.6	26.6	27.1	27.7	20.7	21.2	21.2	21.7	22.3

Calculate in accordance with CIE 190:2010

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

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

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)						SHR NOM = 1.25					
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.62	0.73	0.80	0.85	0.92	0.96	0.99	1.03	1.05
	0.30		0.55	0.66	0.73	0.79	0.86	0.91	0.95	0.99	1.02
	0.20		0.50	0.61	0.68	0.74	0.82	0.87	0.91	0.96	1.00
0.50	0.50	0.20	0.61	0.71	0.77	0.82	0.88	0.92	0.95	0.99	1.01
	0.30		0.54	0.65	0.72	0.77	0.84	0.88	0.92	0.96	0.99
	0.20		0.50	0.60	0.67	0.73	0.80	0.85	0.89	0.93	0.96
0.30	0.50	0.20	0.59	0.69	0.75	0.80	0.85	0.89	0.92	0.95	0.97
	0.30		0.54	0.64	0.70	0.75	0.82	0.86	0.89	0.93	0.95
	0.20		0.49	0.60	0.67	0.72	0.78	0.83	0.86	0.91	0.93
0.00	0.00	0.00	0.47	0.57	0.64	0.69	0.75	0.79	0.82	0.86	0.88

Rating:5W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

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

Utilisation Factor Table(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	0.90	0.73	0.61	0.53	0.42	0.34	0.29	0.22	0.18
	0.30		0.75	0.62	0.53	0.47	0.38	0.31	0.27	0.21	0.17
	0.20		0.65	0.54	0.47	0.42	0.34	0.29	0.25	0.20	0.17
0.50	0.50	0.20	0.87	0.70	0.58	0.50	0.39	0.36	0.28	0.21	0.17
	0.30		0.73	0.60	0.52	0.45	0.36	0.30	0.26	0.20	0.16
	0.20		0.64	0.53	0.46	0.41	0.33	0.28	0.24	0.19	0.16
0.30	0.50	0.20	0.84	0.67	0.56	0.48	0.37	0.31	0.26	0.20	0.16
	0.30		0.72	0.59	0.50	0.43	0.35	0.29	0.25	0.19	0.16
	0.20		0.63	0.52	0.45	0.40	0.32	0.27	0.23	0.18	0.15
0.00	0.00	0.00	0.52	0.42	0.35	0.30	0.24	0.20	0.17	0.13	0.11

Rating:5W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

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

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.23
	0.30		0.10	0.12	0.13	0.15	0.16	0.17	0.18	0.20	0.20
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.17	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	0.18	0.19	0.20
	0.20		0.06	0.08	0.09	0.11	0.12	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.21
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	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:5W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

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

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	187.6	0.2	0.2	0.04	0.04
1.0-2.0	187.5	0.5	0.7	0.12	0.16
2.0-3.0	187.4	0.9	1.6	0.20	0.36
3.0-4.0	187.2	1.3	2.9	0.28	0.63
4.0-5.0	187.0	1.6	4.5	0.35	0.99
5.0-6.0	186.6	2.0	6.4	0.43	1.42
6.0-7.0	186.2	2.3	8.8	0.51	1.93
7.0-8.0	185.8	2.7	11.4	0.59	2.51
8.0-9.0	185.2	3.0	14.4	0.66	3.17
9.0-10.0	184.7	3.3	17.8	0.74	3.91
10.0-11.0	184.0	3.7	21.4	0.81	4.72
11.0-12.0	183.3	4.0	25.4	0.88	5.60
12.0-13.0	182.6	4.3	29.8	0.95	6.56
13.0-14.0	181.7	4.7	34.4	1.02	7.58
14.0-15.0	180.8	5.0	39.4	1.09	8.67
15.0-16.0	179.8	5.3	44.7	1.16	9.84
16.0-17.0	178.8	5.6	50.2	1.23	11.06
17.0-18.0	177.7	5.9	56.1	1.29	12.35
18.0-19.0	176.6	6.1	62.2	1.35	13.70
19.0-20.0	175.5	6.4	68.7	1.41	15.12
20.0-21.0	174.3	6.7	75.3	1.47	16.59
21.0-22.0	173.0	7.0	82.3	1.53	18.12
22.0-23.0	171.8	7.2	89.5	1.59	19.71
23.0-24.0	170.4	7.5	97.0	1.64	21.35
24.0-25.0	169.0	7.7	104.7	1.69	23.05
25.0-26.0	167.6	7.9	112.6	1.74	24.79
26.0-27.0	166.2	8.1	120.7	1.79	26.58
27.0-28.0	164.7	8.3	129.0	1.84	28.42
28.0-29.0	163.2	8.5	137.6	1.88	30.30
29.0-30.0	161.6	8.7	146.3	1.92	32.22
30.0-31.0	160.0	8.9	155.2	1.96	34.18
31.0-32.0	158.4	9.1	164.3	2.00	36.18
32.0-33.0	156.7	9.2	173.5	2.03	38.21
33.0-34.0	154.9	9.4	182.9	2.06	40.28
34.0-35.0	153.0	9.5	192.4	2.09	42.37
35.0-36.0	151.1	9.6	202.0	2.12	44.49

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	148.9	9.7	211.7	2.14	46.63
37.0-38.0	146.5	9.8	221.5	2.15	48.78
38.0-39.0	144.0	9.8	231.3	2.16	50.95
39.0-40.0	141.3	9.9	241.2	2.17	53.12
40.0-41.0	138.3	9.9	251.1	2.17	55.29
41.0-42.0	135.1	9.8	260.9	2.16	57.45
42.0-43.0	131.6	9.8	270.6	2.15	59.60
43.0-44.0	127.7	9.6	280.3	2.12	61.72
44.0-45.0	123.4	9.5	289.7	2.09	63.81
45.0-46.0	118.6	9.3	299.0	2.04	65.85
46.0-47.0	113.6	9.0	308.1	1.99	67.84
47.0-48.0	108.2	8.8	316.8	1.93	69.77
48.0-49.0	102.8	8.4	325.2	1.86	71.63
49.0-50.0	97.2	8.1	333.3	1.78	73.41
50.0-51.0	91.7	7.8	341.1	1.71	75.12
51.0-52.0	86.4	7.4	348.5	1.63	76.75
52.0-53.0	81.3	7.1	355.6	1.56	78.31
53.0-54.0	76.3	6.7	362.3	1.48	79.79
54.0-55.0	71.6	6.4	368.7	1.41	81.20
55.0-56.0	67.3	6.1	374.8	1.34	82.54
56.0-57.0	63.2	5.8	380.6	1.27	83.81
57.0-58.0	59.4	5.5	386.1	1.21	85.02
58.0-59.0	55.7	5.2	391.3	1.15	86.17
59.0-60.0	52.2	4.9	396.2	1.09	87.25
60.0-61.0	48.6	4.6	400.9	1.02	88.28
61.0-62.0	45.2	4.4	405.2	0.96	89.23
62.0-63.0	41.7	4.1	409.3	0.89	90.13
63.0-64.0	38.4	3.8	413.0	0.83	90.96
64.0-65.0	35.2	3.5	416.5	0.77	91.73
65.0-66.0	32.2	3.2	419.7	0.71	92.43
66.0-67.0	29.3	3.0	422.7	0.65	93.08
67.0-68.0	26.7	2.7	425.4	0.60	93.68
68.0-69.0	24.3	2.5	427.9	0.55	94.22
69.0-70.0	22.1	2.3	430.1	0.50	94.73
70.0-71.0	20.2	2.1	432.2	0.46	95.19
71.0-72.0	18.4	1.9	434.1	0.42	95.61

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	16.8	1.8	435.9	0.39	96.00
73.0-74.0	15.3	1.6	437.5	0.35	96.35
74.0-75.0	13.9	1.5	439.0	0.32	96.67
75.0-76.0	12.6	1.3	440.3	0.29	96.97
76.0-77.0	11.3	1.2	441.5	0.27	97.23
77.0-78.0	10.1	1.1	442.6	0.24	97.47
78.0-79.0	9.0	1.0	443.6	0.21	97.68
79.0-80.0	7.9	0.9	444.4	0.19	97.87
80.0-81.0	7.0	0.8	445.2	0.17	98.04
81.0-82.0	6.1	0.7	445.8	0.15	98.18
82.0-83.0	5.3	0.6	446.4	0.13	98.31
83.0-84.0	4.6	0.5	446.9	0.11	98.42
84.0-85.0	3.9	0.4	447.3	0.09	98.52
85.0-86.0	3.3	0.4	447.7	0.08	98.60
86.0-87.0	2.8	0.3	448.0	0.07	98.66
87.0-88.0	2.4	0.3	448.3	0.06	98.72
88.0-89.0	2.0	0.2	448.5	0.05	98.77
89.0-90.0	1.6	0.2	448.7	0.04	98.81
90.0-91.0	1.3	0.1	448.8	0.03	98.84
91.0-92.0	1.1	0.1	449.0	0.03	98.87
92.0-93.0	0.9	0.1	449.0	0.02	98.89
93.0-94.0	0.7	0.1	449.1	0.02	98.90
94.0-95.0	0.5	0.1	449.2	0.01	98.92
95.0-96.0	0.4	0.0	449.2	0.01	98.93
96.0-97.0	0.3	0.0	449.2	0.01	98.93
97.0-98.0	0.3	0.0	449.3	0.01	98.94
98.0-99.0	0.3	0.0	449.3	0.01	98.95
99.0-100.0	0.3	0.0	449.3	0.01	98.95
100.0-101.0	0.3	0.0	449.4	0.01	98.96
101.0-102.0	0.3	0.0	449.4	0.01	98.97
102.0-103.0	0.3	0.0	449.4	0.01	98.98
103.0-104.0	0.3	0.0	449.5	0.01	98.98
104.0-105.0	0.3	0.0	449.5	0.01	98.99
105.0-106.0	0.4	0.0	449.5	0.01	99.00
106.0-107.0	0.4	0.0	449.6	0.01	99.01
107.0-108.0	0.4	0.0	449.6	0.01	99.02

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

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

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.4	0.0	449.7	0.01	99.03
109.0-110.0	0.5	0.0	449.7	0.01	99.04
110.0-111.0	0.5	0.0	449.8	0.01	99.05
111.0-112.0	0.5	0.1	449.8	0.01	99.06
112.0-113.0	0.5	0.1	449.9	0.01	99.07
113.0-114.0	0.6	0.1	449.9	0.01	99.09
114.0-115.0	0.6	0.1	450.0	0.01	99.10
115.0-116.0	0.6	0.1	450.1	0.01	99.11
116.0-117.0	0.6	0.1	450.1	0.01	99.12
117.0-118.0	0.7	0.1	450.2	0.01	99.14
118.0-119.0	0.7	0.1	450.2	0.01	99.15
119.0-120.0	0.7	0.1	450.3	0.02	99.17
120.0-121.0	0.7	0.1	450.4	0.02	99.18
121.0-122.0	0.8	0.1	450.5	0.02	99.20
122.0-123.0	0.8	0.1	450.5	0.02	99.22
123.0-124.0	0.8	0.1	450.6	0.02	99.23
124.0-125.0	0.8	0.1	450.7	0.02	99.25
125.0-126.0	0.9	0.1	450.8	0.02	99.27
126.0-127.0	0.9	0.1	450.8	0.02	99.28
127.0-128.0	0.9	0.1	450.9	0.02	99.30
128.0-129.0	0.9	0.1	451.0	0.02	99.32
129.0-130.0	1.0	0.1	451.1	0.02	99.34
130.0-131.0	1.0	0.1	451.2	0.02	99.36
131.0-132.0	1.0	0.1	451.2	0.02	99.37
132.0-133.0	1.1	0.1	451.3	0.02	99.39
133.0-134.0	1.1	0.1	451.4	0.02	99.41
134.0-135.0	1.1	0.1	451.5	0.02	99.43
135.0-136.0	1.1	0.1	451.6	0.02	99.45
136.0-137.0	1.1	0.1	451.7	0.02	99.47
137.0-138.0	1.2	0.1	451.8	0.02	99.49
138.0-139.0	1.2	0.1	451.9	0.02	99.51
139.0-140.0	1.2	0.1	451.9	0.02	99.53
140.0-141.0	1.2	0.1	452.0	0.02	99.55
141.0-142.0	1.3	0.1	452.1	0.02	99.56
142.0-143.0	1.3	0.1	452.2	0.02	99.58
143.0-144.0	1.3	0.1	452.3	0.02	99.60

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.3	0.1	452.4	0.02	99.62
145.0-146.0	1.3	0.1	452.4	0.02	99.64
146.0-147.0	1.4	0.1	452.5	0.02	99.66
147.0-148.0	1.4	0.1	452.6	0.02	99.67
148.0-149.0	1.4	0.1	452.7	0.02	99.69
149.0-150.0	1.4	0.1	452.8	0.02	99.71
150.0-151.0	1.4	0.1	452.8	0.02	99.73
151.0-152.0	1.5	0.1	452.9	0.02	99.74
152.0-153.0	1.5	0.1	453.0	0.02	99.76
153.0-154.0	1.5	0.1	453.1	0.02	99.77
154.0-155.0	1.5	0.1	453.1	0.02	99.79
155.0-156.0	1.5	0.1	453.2	0.01	99.80
156.0-157.0	1.5	0.1	453.3	0.01	99.82
157.0-158.0	1.5	0.1	453.3	0.01	99.83
158.0-159.0	1.5	0.1	453.4	0.01	99.85
159.0-160.0	1.6	0.1	453.5	0.01	99.86
160.0-161.0	1.6	0.1	453.5	0.01	99.87
161.0-162.0	1.6	0.1	453.6	0.01	99.89
162.0-163.0	1.6	0.1	453.6	0.01	99.90
163.0-164.0	1.6	0.1	453.7	0.01	99.91
164.0-165.0	1.6	0.0	453.7	0.01	99.92
165.0-166.0	1.7	0.0	453.8	0.01	99.93
166.0-167.0	1.7	0.0	453.8	0.01	99.94
167.0-168.0	1.7	0.0	453.8	0.01	99.95
168.0-169.0	1.7	0.0	453.9	0.01	99.96
169.0-170.0	1.7	0.0	453.9	0.01	99.96
170.0-171.0	1.7	0.0	454.0	0.01	99.97
171.0-172.0	1.8	0.0	454.0	0.01	99.98
172.0-173.0	1.8	0.0	454.0	0.01	99.98
173.0-174.0	1.8	0.0	454.0	0.00	99.99
174.0-175.0	1.8	0.0	454.0	0.00	99.99
175.0-176.0	1.8	0.0	454.1	0.00	99.99
176.0-177.0	1.8	0.0	454.1	0.00	100.00
177.0-178.0	1.8	0.0	454.1	0.00	100.00
178.0-179.0	1.8	0.0	454.1	0.00	100.00
179.0-180.0	1.8	0.0	454.1	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: