GENLED Brands
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Fax:

Report No.: 20230330 **Test Time: 2023/3/30 15:50**

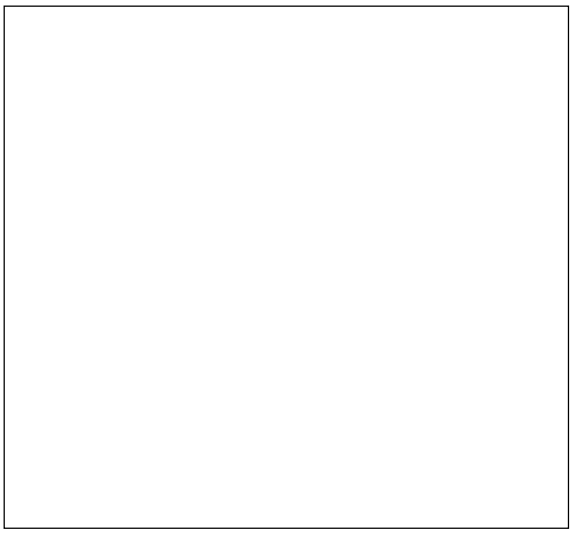
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: RIBBONLYTE+CHANNEL
Luminaire Description: RB90SWX675.830A45+ASSYMMETRIC CHANNEL
Lamp Description: 3000K **Luminous Length (mm): 320**
Luminous Width (mm): 23.5 **Luminous Height (mm): 23**
Voltage: 24.0 V **Current: 0.251 A**
Power: 6.03 W **Power Factor: 1.000**

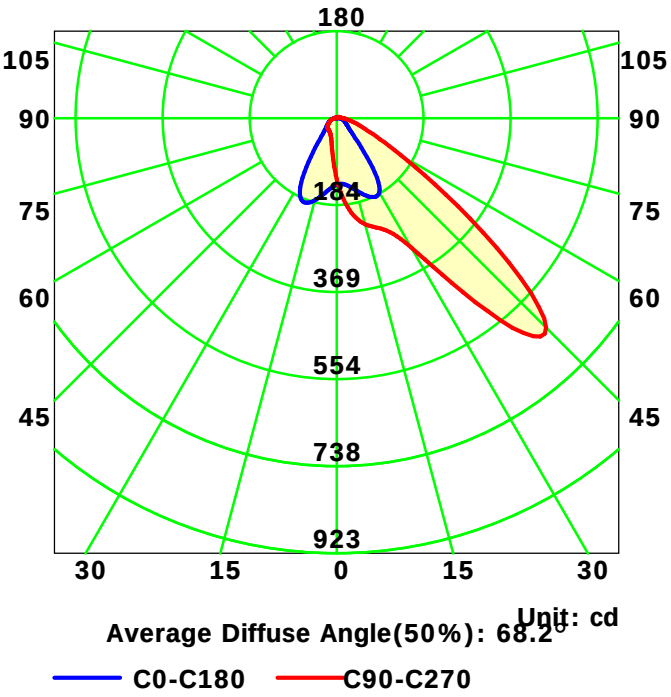
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 476.9 lm**
Measurement Flux: 476.9 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H130,H73.3
Vertical Diffuse Angle(10%,50%): V141.1,V63.2
Luminaire Efficacy Rating (LER): 79 **Central Intensity: 141.37 cd**
Max. Intensity: 635.72 cd **Pos of Max. Intensity: H90 V44**

Picture Of Luminaire

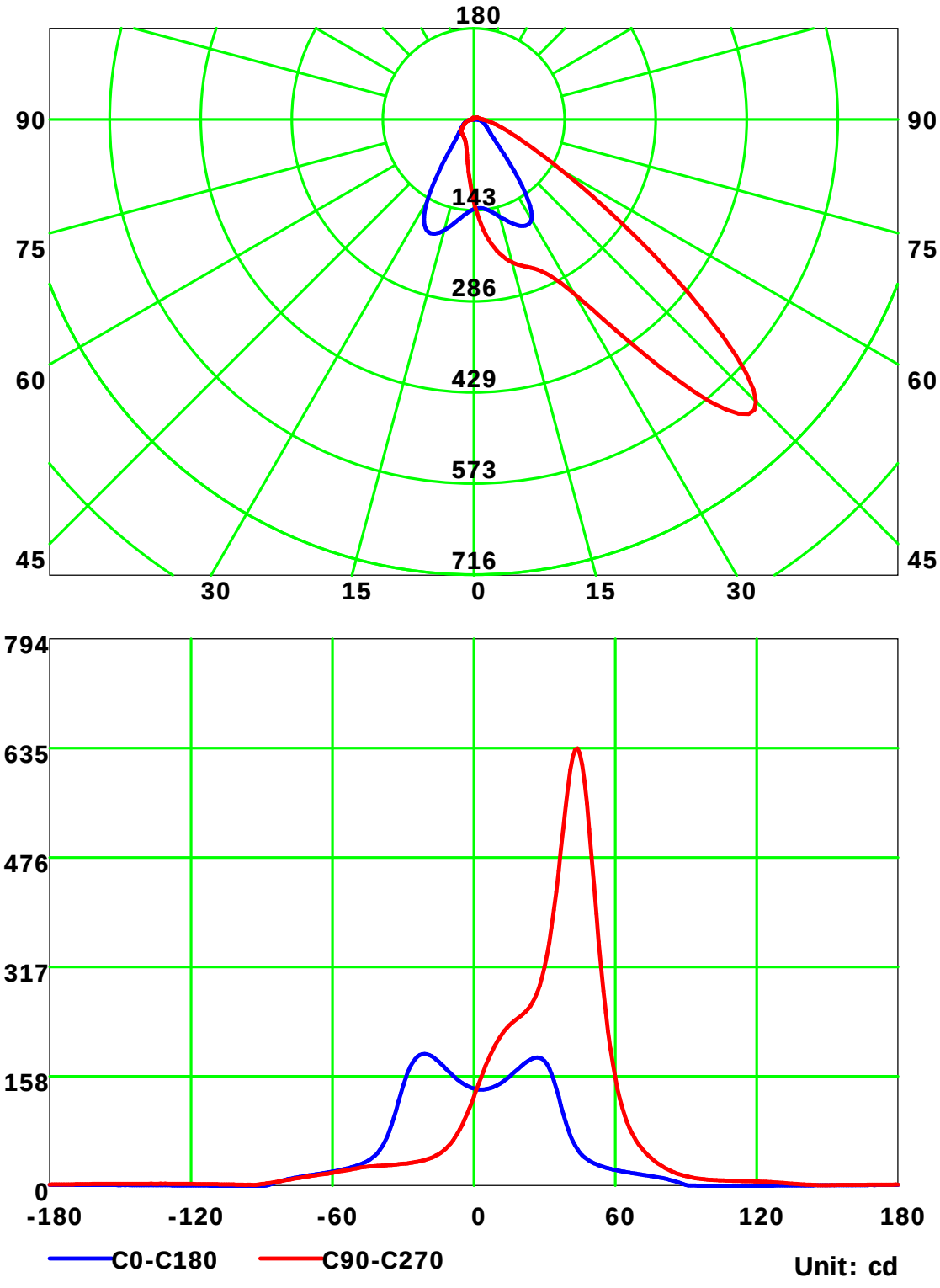


Luminous Intensity Distribution Curve



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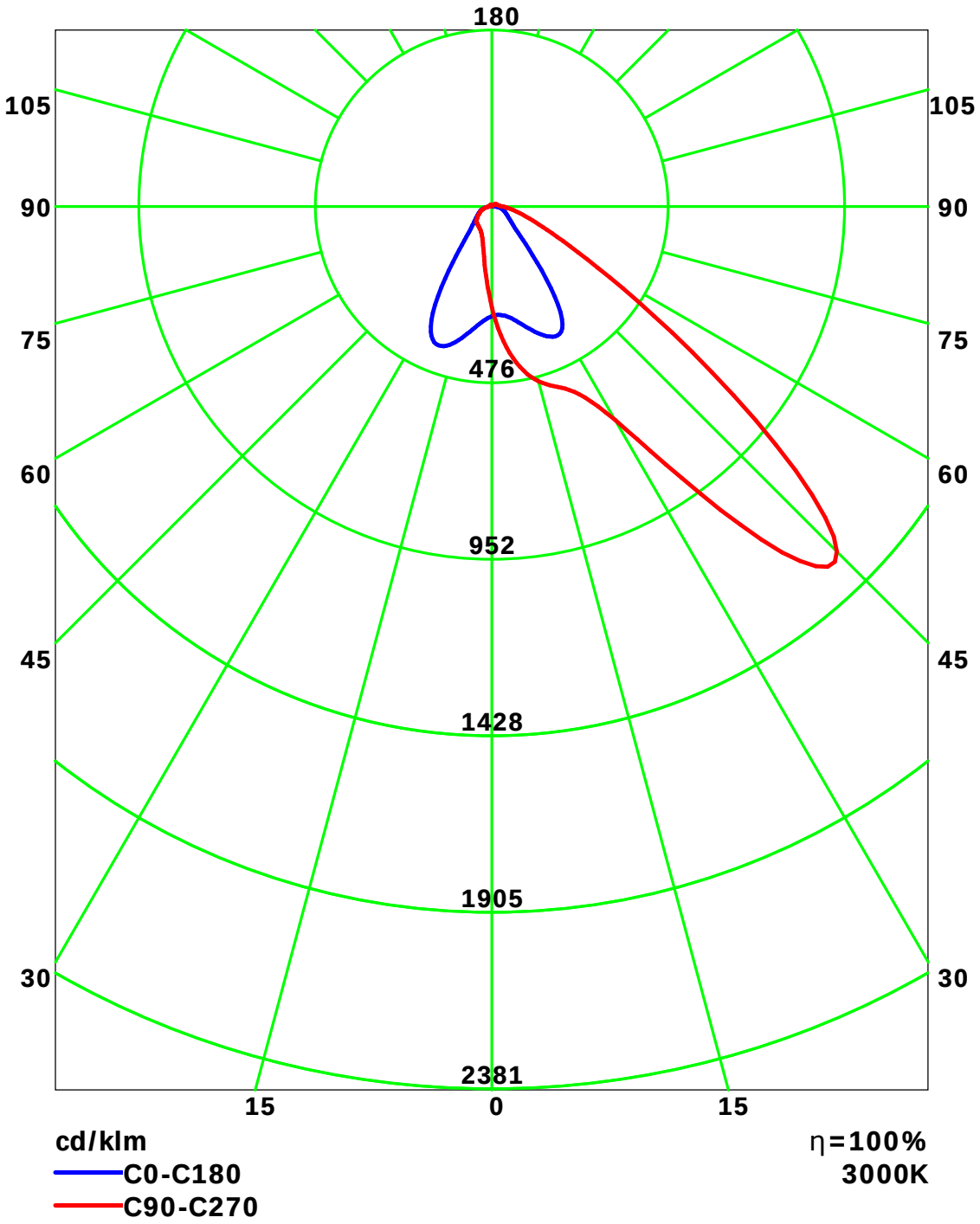
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

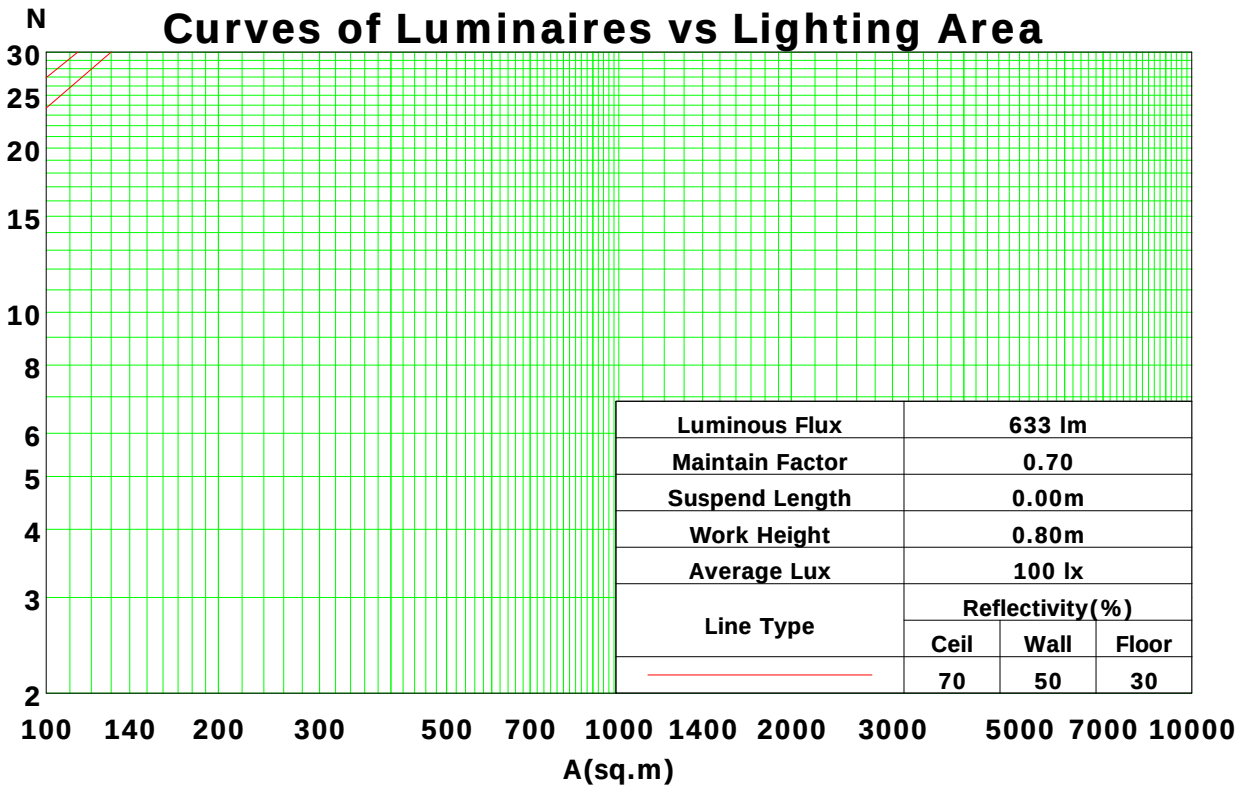
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	93	90	88	88	87	85	83
2	100	92	86	81	97	90	84	79	86	81	77	82	78	75	79	76	73	70
3	92	82	74	68	89	80	73	67	77	71	66	73	68	64	70	66	63	60
4	84	73	65	58	82	71	64	58	68	62	57	66	60	55	63	58	54	52
5	78	65	57	50	75	64	56	50	62	55	49	59	53	48	57	52	48	45
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	66	53	45	39	64	52	44	39	51	43	38	49	42	38	47	42	37	35
8	62	49	40	35	60	48	40	34	46	39	34	45	38	34	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	52	40	33	28	39	32	27	38	32	27	37	31	27	25

Spacing Criteria (0-180): 1.36
Spacing Criteria (90-270): 2.40
Spacing Criteria (Diagonal): 1.52

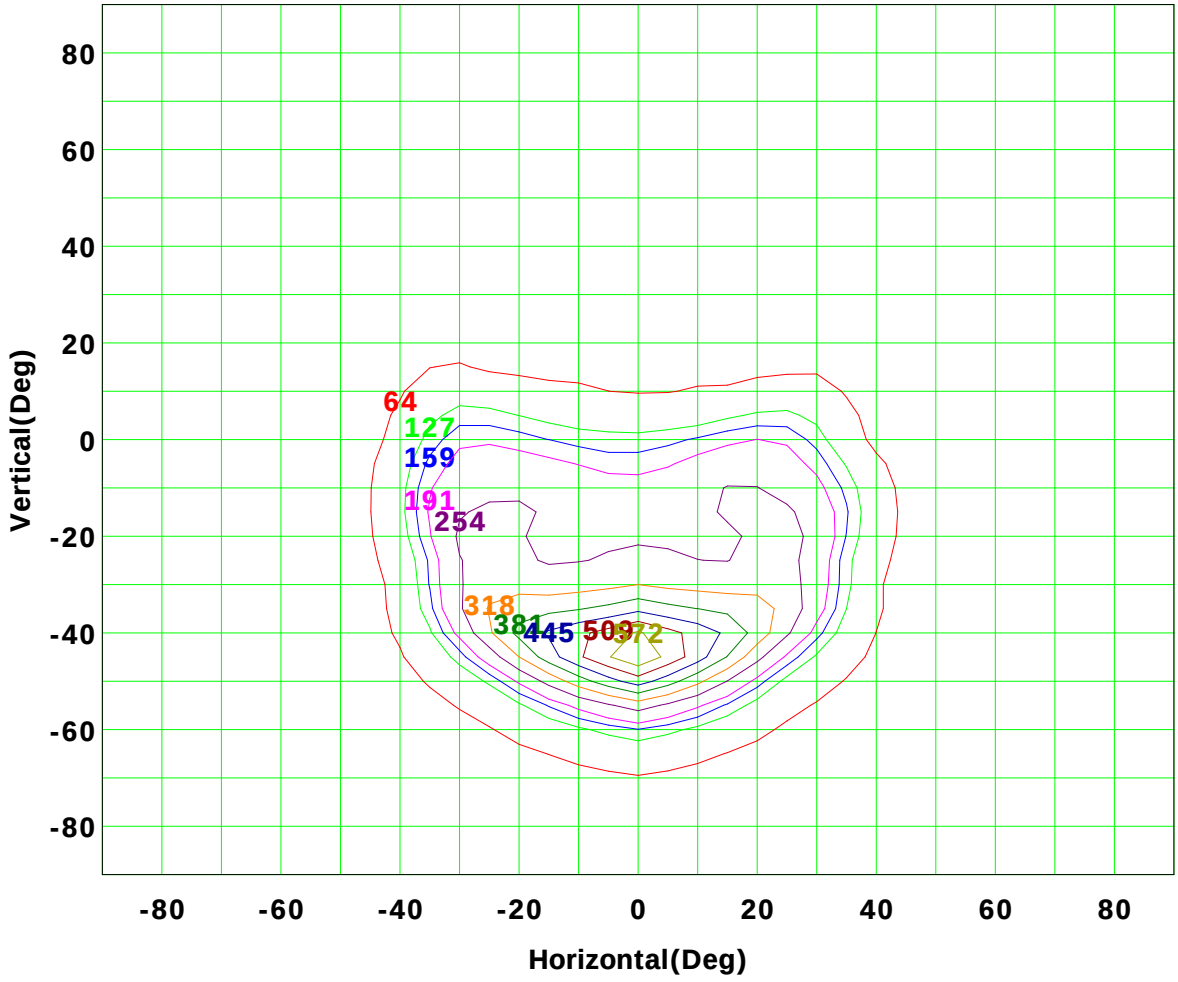
Curves of Luminaires vs Lighting Area



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)



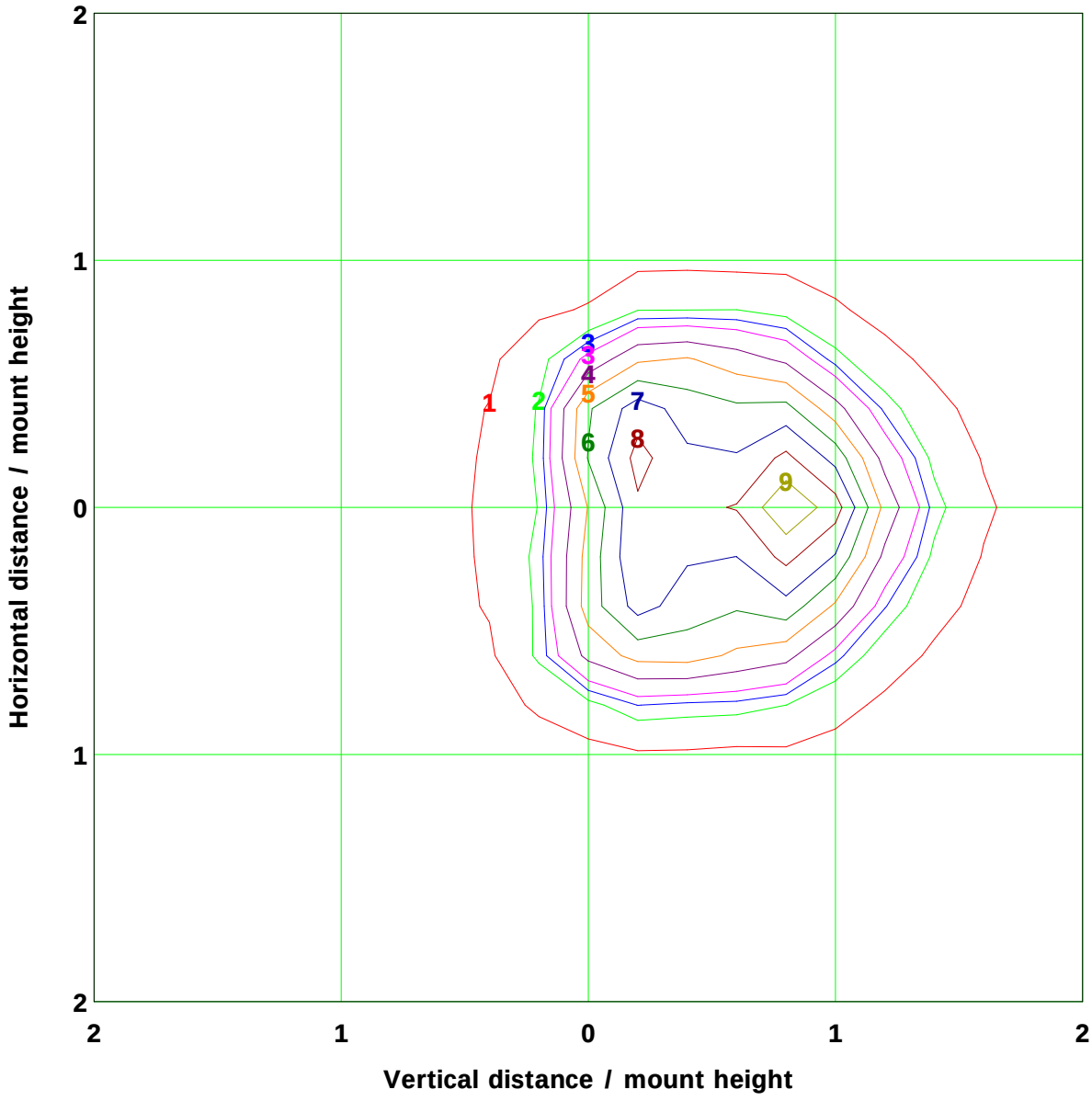
Imax (100%): 636 cd

(10%): 64 cd	(20%): 127 cd
(25%): 159 cd	(30%): 191 cd
(40%): 254 cd	(50%): 318 cd
(60%): 381 cd	(70%): 445 cd
(80%): 509 cd	(90%): 572 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%): 10.4 lx

(10%): 1.0 lx	(20%): 2.1 lx
(25%): 2.6 lx	(30%): 3.1 lx
(40%): 4.2 lx	(50%): 5.2 lx
(60%): 6.3 lx	(70%): 7.3 lx
(80%): 8.4 lx	(90%): 9.4 lx

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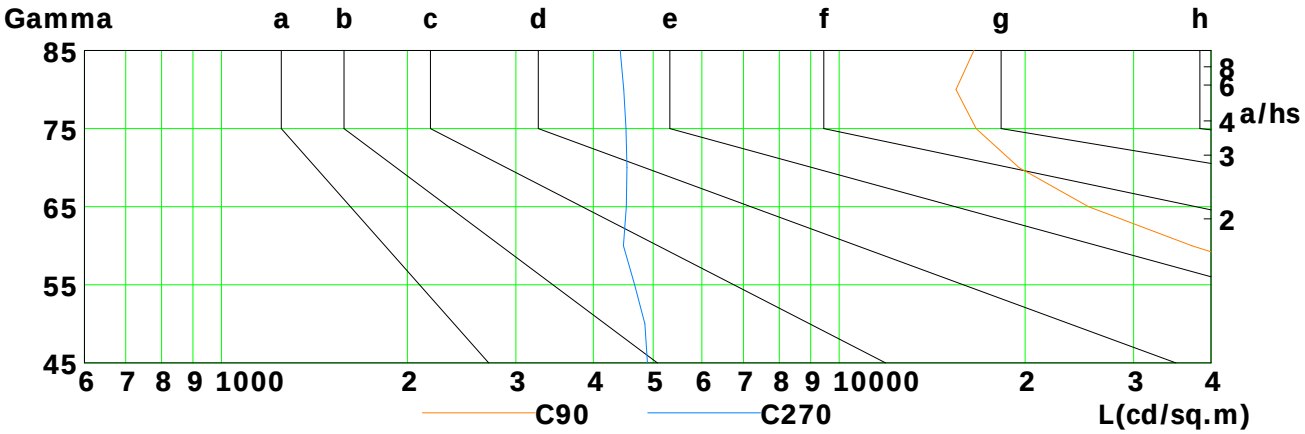
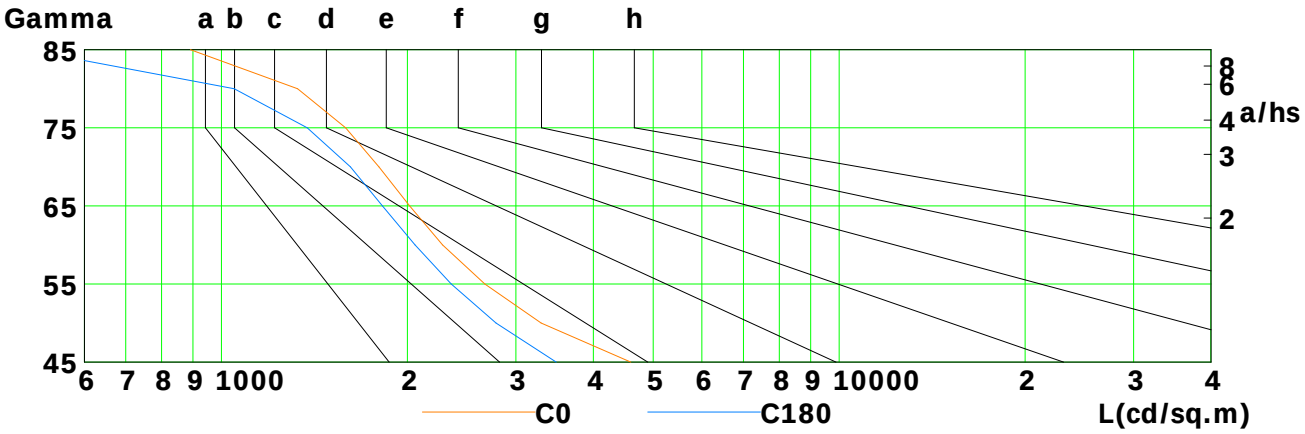
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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



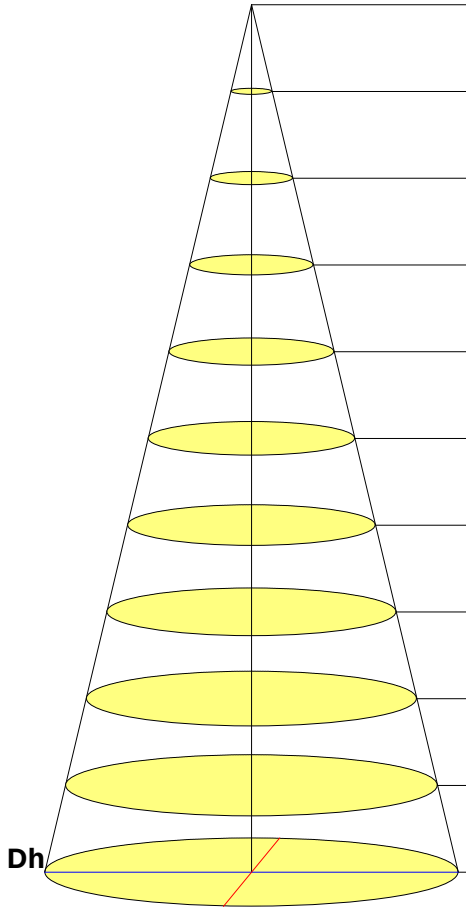


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4604	3296	2671	2282	2017	1799	1589	1329	891
C90	110226	90996	59583	37279	25358	19572	16671	15456	16543
C180	3485	2784	2356	2058	1824	1618	1378	1050	485
C270	4895	4848	4670	4477	4526	4536	4521	4483	4423

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



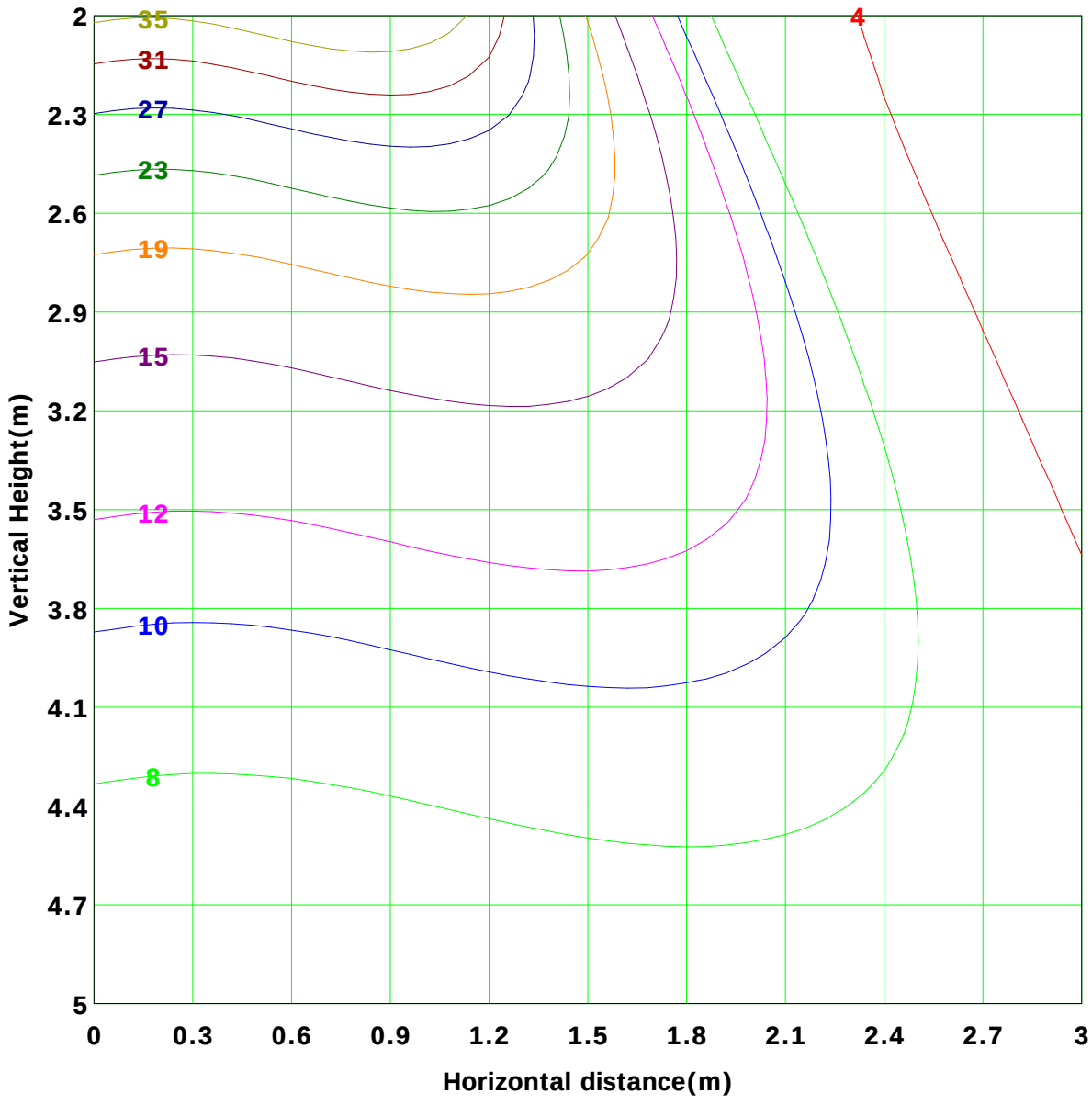
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	141.37	1.49/1.23	2.1	78.99
2.0	35.34	2.97/2.46	8.3	19.75
3.0	15.71	4.46/3.69	18.7	8.78
4.0	8.84	5.95/4.92	33.3	4.94
5.0	5.65	7.44/6.15	52.0	3.16
6.0	3.93	8.92/7.38	74.9	2.19
7.0	2.89	10.41/8.61	101.9	1.61
8.0	2.21	11.90/9.84	133.1	1.23
9.0	1.75	13.39/11.07	168.4	0.98
10.0	1.41	14.87/12.30	207.9	0.79

Beam Angle(B): H73.3 V63.2 Field Angle(F): H130.0 V141.1

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: 38.5 lx

(10%): 3.8 lx	(20%): 7.7 lx
(25%): 9.6 lx	(30%): 11.5 lx
(40%): 15.4 lx	(50%): 19.2 lx
(60%): 23.1 lx	(70%): 26.9 lx
(80%): 30.8 lx	(90%): 34.6 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:

Area Flux Table

Unit: lm

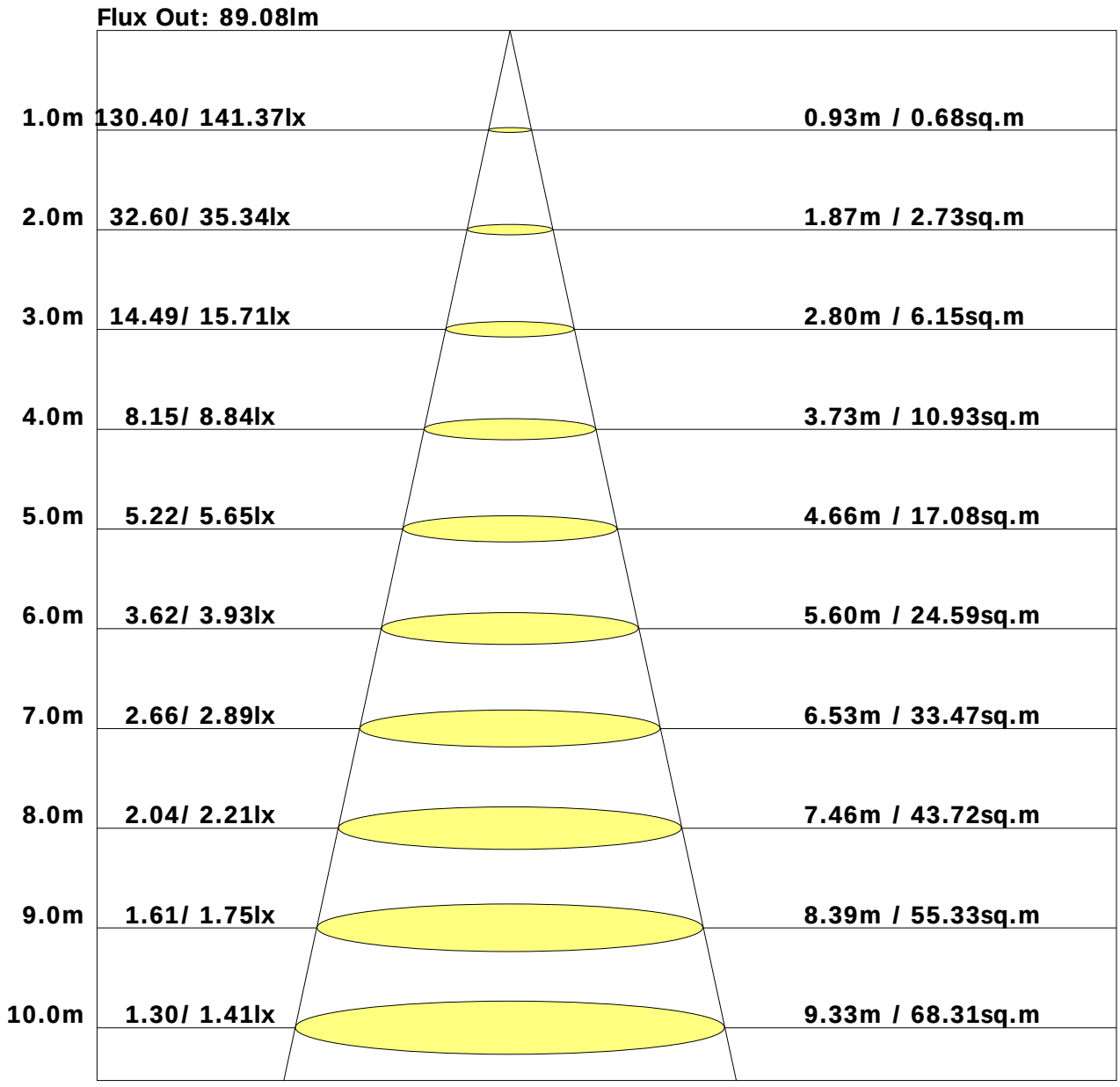
Vertical plane	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
-90	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	1.3	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-70	0.0	3.2	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0
-60	0.0	6.0	0.2	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1
-50	1.1	11.0	0.3	0.4	0.5	0.5	0.7	0.9	1.0	1.1	1.2	1.0	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1
-40	17.7	25.6	0.3	0.5	0.8	0.8	1.2	2.1	3.3	3.7	4.0	3.1	1.9	1.2	0.9	0.7	0.5	0.4	0.2	0.2	0.1
-30	39.4	47.1	0.4	0.7	1.2	1.2	2.3	5.2	7.8	7.3	7.0	5.7	3.7	1.6	1.0	0.9	0.7	0.6	0.4	0.3	0.1
-20	52.6	60.6	0.5	1.0	1.9	1.9	4.7	10.7	10.7	7.7	7.5	6.4	3.5	1.5	1.1	0.9	0.8	0.6	0.5	0.3	0.2
-10	62.2	70.3	0.6	1.2	2.7	2.7	7.7	15.9	12.3	8.0	7.2	5.7	3.0	1.5	1.1	0.9	0.8	0.7	0.5	0.3	0.2
0	62.2	70.3	0.6	1.2	2.7	2.7	7.8	16.2	12.3	8.0	7.1	5.4	3.0	1.5	1.1	0.9	0.8	0.7	0.5	0.3	0.2
10	53.1	61.0	0.5	1.0	2.0	2.0	5.0	11.6	10.8	7.6	7.3	5.9	3.3	1.6	1.1	0.9	0.8	0.6	0.5	0.3	0.2
20	42.3	49.9	0.4	0.8	1.3	1.3	2.6	6.2	8.5	7.5	7.1	5.8	3.8	1.7	1.1	0.9	0.7	0.6	0.4	0.3	0.1
30	23.0	30.2	0.4	0.6	0.8	0.8	1.3	2.4	3.8	4.3	4.7	4.0	2.8	1.6	0.9	0.7	0.6	0.5	0.4	0.3	0.1
40	2.7	12.4	0.3	0.4	0.5	0.5	0.7	0.9	1.1	1.3	1.5	1.3	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.1	0.1
50	0.0	6.4	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.1
60	0.0	3.5	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0
70	0.0	1.6	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
80	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	Flux(T)	461	4.9	8.6	15.6	7.2	35.5	73.7	73.4	58.3	56.5	46.1	28.5	15.3	10.9	9.3	8.0	6.4	4.9	3.3	1.6
Flux(E)	356		0.0	0.0	7.2	30.2	69.9	70.0	54.9	53.4	42.9	24.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Horizontal plane

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	16.4	17.9	16.8	18.3	18.7	25.6	27.1	26.0	27.5	27.9
3H	18.3	19.6	18.7	20.0	20.5	26.2	27.6	26.7	28.0	28.4
4H	19.2	20.5	19.7	20.9	21.3	26.5	27.7	26.9	28.1	28.6
6H	20.1	21.2	20.6	21.7	22.1	26.6	27.8	27.1	28.2	28.7
8H	20.5	21.6	20.9	22.0	22.5	26.7	27.8	27.2	28.2	28.7
12H	20.8	21.8	21.3	22.3	22.8	26.7	27.8	27.2	28.2	28.7
X=4H Y=2H	17.2	18.5	17.7	18.9	19.3	25.5	26.8	26.0	27.2	27.6
3H	19.2	20.2	19.7	20.7	21.2	26.3	27.3	26.7	27.8	28.3
4H	20.2	21.1	20.6	21.6	22.1	26.6	27.5	27.1	28.0	28.5
6H	21.1	21.9	21.6	22.4	23.0	26.9	27.7	27.4	28.2	28.7
8H	21.5	22.3	22.1	22.8	23.3	27.0	27.7	27.5	28.2	28.8
12H	21.9	22.6	22.4	23.1	23.7	27.1	27.7	27.6	28.3	28.8
X=8H Y=4H	20.5	21.2	21.0	21.7	22.3	26.6	27.3	27.1	27.8	28.4
6H	21.5	22.1	22.1	22.7	23.2	26.9	27.5	27.4	28.1	28.6
8H	22.0	22.6	22.6	23.1	23.7	27.0	27.6	27.6	28.2	28.7
12H	22.5	23.0	23.0	23.5	24.2	27.2	27.7	27.8	28.3	28.9
X=12H Y=4H	20.5	21.2	21.0	21.7	22.3	26.5	27.2	27.1	27.8	28.3
6H	21.6	22.2	22.2	22.7	23.3	26.9	27.5	27.5	28.0	28.6
8H	22.1	22.6	22.7	23.2	23.8	27.1	27.6	27.6	28.1	28.8

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 = 1.50					
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	0.64	0.72	0.79	0.84	0.91	0.95	0.98	1.02	1.04
	0.30		0.57	0.66	0.73	0.78	0.85	0.90	0.93	0.98	1.01
	0.20		0.52	0.60	0.68	0.73	0.81	0.86	0.90	0.95	0.98
0.50	0.50	0.20	0.62	0.70	0.77	0.81	0.87	0.91	0.94	0.97	0.99
	0.30		0.56	0.64	0.71	0.76	0.83	0.87	0.90	0.94	0.97
	0.20		0.51	0.60	0.67	0.72	0.79	0.84	0.87	0.92	0.95
0.30	0.50	0.20	0.60	0.68	0.74	0.78	0.84	0.87	0.90	0.93	0.95
	0.30		0.55	0.63	0.69	0.74	0.80	0.84	0.87	0.91	0.93
	0.20		0.50	0.59	0.66	0.70	0.77	0.81	0.84	0.88	0.91
0.00	0.00	0.00	0.48	0.56	0.63	0.67	0.73	0.77	0.80	0.83	0.86

Rating:6W 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 = 1.50								
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	0.88	0.73	0.61	0.53	0.42	0.35	0.30	0.23	0.19
	0.30		0.73	0.62	0.53	0.47	0.38	0.32	0.28	0.22	0.18
	0.20		0.63	0.54	0.47	0.42	0.35	0.30	0.26	0.21	0.17
0.50	0.50	0.20	0.84	0.69	0.58	0.50	0.40	0.36	0.28	0.22	0.18
	0.30		0.71	0.60	0.51	0.45	0.36	0.30	0.26	0.21	0.17
	0.20		0.62	0.53	0.46	0.41	0.33	0.28	0.25	0.20	0.16
0.30	0.50	0.20	0.81	0.66	0.55	0.47	0.37	0.31	0.26	0.21	0.17
	0.30		0.69	0.58	0.49	0.43	0.34	0.29	0.25	0.20	0.16
	0.20		0.60	0.52	0.45	0.39	0.32	0.27	0.24	0.19	0.16
0.00	0.00	0.00	0.49	0.41	0.34	0.30	0.24	0.20	0.17	0.14	0.11

Rating:6W 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 = 1.50								
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	0.19	0.20	0.21	0.21	0.22	0.23	0.24	0.24	0.25
	0.30		0.13	0.14	0.16	0.17	0.18	0.19	0.20	0.22	0.22
	0.20		0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23	0.24
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.08	0.10	0.11	0.13	0.14	0.16	0.17	0.19	0.20
0.30	0.50	0.20	0.17	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.08	0.10	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Rating:6W 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	134.9	0.1	0.1	0.03	0.03
1.0-2.0	135.0	0.4	0.5	0.08	0.11
2.0-3.0	135.3	0.6	1.2	0.14	0.24
3.0-4.0	135.9	0.9	2.1	0.19	0.43
4.0-5.0	136.6	1.2	3.2	0.25	0.68
5.0-6.0	137.4	1.4	4.7	0.30	0.98
6.0-7.0	138.4	1.7	6.4	0.36	1.34
7.0-8.0	139.6	2.0	8.4	0.42	1.76
8.0-9.0	141.0	2.3	10.7	0.48	2.24
9.0-10.0	142.4	2.6	13.3	0.54	2.78
10.0-11.0	144.0	2.9	16.2	0.60	3.39
11.0-12.0	145.7	3.2	19.3	0.67	4.06
12.0-13.0	147.4	3.5	22.8	0.73	4.79
13.0-14.0	149.1	3.8	26.7	0.80	5.59
14.0-15.0	150.8	4.1	30.8	0.87	6.46
15.0-16.0	152.3	4.5	35.3	0.94	7.39
16.0-17.0	153.6	4.8	40.0	1.00	8.40
17.0-18.0	154.7	5.1	45.1	1.07	9.47
18.0-19.0	155.5	5.4	50.6	1.13	10.60
19.0-20.0	156.1	5.7	56.3	1.20	11.80
20.0-21.0	156.4	6.0	62.3	1.26	13.06
21.0-22.0	156.6	6.3	68.6	1.32	14.38
22.0-23.0	156.5	6.6	75.1	1.38	15.76
23.0-24.0	156.3	6.8	82.0	1.43	17.19
24.0-25.0	156.2	7.1	89.1	1.49	18.68
25.0-26.0	156.0	7.4	96.4	1.54	20.22
26.0-27.0	156.0	7.6	104.1	1.60	21.83
27.0-28.0	156.1	7.9	112.0	1.66	23.48
28.0-29.0	156.3	8.2	120.2	1.72	25.20
29.0-30.0	156.8	8.5	128.6	1.78	26.97
30.0-31.0	157.6	8.8	137.4	1.84	28.81
31.0-32.0	158.5	9.1	146.5	1.90	30.72
32.0-33.0	159.6	9.4	155.9	1.97	32.69
33.0-34.0	160.8	9.7	165.6	2.04	34.73
34.0-35.0	161.9	10.1	175.7	2.11	36.84
35.0-36.0	162.9	10.4	186.0	2.18	39.01

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	163.9	10.7	196.7	2.24	41.26
37.0-38.0	164.5	11.0	207.7	2.30	43.56
38.0-39.0	164.9	11.3	219.0	2.36	45.92
39.0-40.0	165.1	11.5	230.5	2.41	48.33
40.0-41.0	164.5	11.7	242.2	2.46	50.79
41.0-42.0	163.2	11.9	254.1	2.49	53.28
42.0-43.0	160.7	11.9	266.0	2.50	55.78
43.0-44.0	156.9	11.8	277.8	2.48	58.26
44.0-45.0	151.6	11.6	289.5	2.44	60.70
45.0-46.0	144.6	11.3	300.8	2.37	63.07
46.0-47.0	136.4	10.8	311.6	2.28	65.35
47.0-48.0	127.3	10.3	321.9	2.16	67.51
48.0-49.0	117.8	9.7	331.6	2.03	69.54
49.0-50.0	108.1	9.0	340.6	1.89	71.43
50.0-51.0	98.8	8.4	349.0	1.75	73.18
51.0-52.0	89.9	7.7	356.7	1.62	74.80
52.0-53.0	81.7	7.1	363.8	1.49	76.29
53.0-54.0	74.2	6.5	370.3	1.37	77.66
54.0-55.0	67.6	6.0	376.4	1.27	78.93
55.0-56.0	61.7	5.6	381.9	1.17	80.10
56.0-57.0	56.5	5.2	387.1	1.08	81.18
57.0-58.0	51.9	4.8	391.9	1.01	82.19
58.0-59.0	47.8	4.5	396.4	0.94	83.12
59.0-60.0	44.3	4.2	400.6	0.88	84.00
60.0-61.0	41.1	3.9	404.5	0.82	84.82
61.0-62.0	38.3	3.7	408.2	0.77	85.60
62.0-63.0	35.9	3.5	411.7	0.73	86.33
63.0-64.0	33.6	3.3	415.0	0.69	87.02
64.0-65.0	31.6	3.1	418.1	0.66	87.68
65.0-66.0	29.8	3.0	421.1	0.62	88.30
66.0-67.0	28.2	2.8	423.9	0.59	88.90
67.0-68.0	26.7	2.7	426.6	0.57	89.46
68.0-69.0	25.3	2.6	429.2	0.54	90.00
69.0-70.0	24.0	2.5	431.7	0.52	90.52
70.0-71.0	22.8	2.4	434.0	0.50	91.02
71.0-72.0	21.7	2.3	436.3	0.47	91.49

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 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	20.6	2.2	438.4	0.45	91.94
73.0-74.0	19.6	2.1	440.5	0.43	92.37
74.0-75.0	18.5	2.0	442.4	0.41	92.78
75.0-76.0	17.6	1.9	444.3	0.39	93.17
76.0-77.0	16.6	1.8	446.1	0.37	93.55
77.0-78.0	15.7	1.7	447.8	0.35	93.90
78.0-79.0	14.8	1.6	449.4	0.33	94.23
79.0-80.0	13.9	1.5	450.9	0.32	94.55
80.0-81.0	13.1	1.4	452.3	0.30	94.84
81.0-82.0	12.2	1.3	453.6	0.28	95.12
82.0-83.0	11.3	1.2	454.8	0.26	95.38
83.0-84.0	10.5	1.1	456.0	0.24	95.62
84.0-85.0	9.6	1.0	457.0	0.22	95.84
85.0-86.0	8.7	1.0	458.0	0.20	96.04
86.0-87.0	7.8	0.9	458.8	0.18	96.22
87.0-88.0	7.0	0.8	459.6	0.16	96.38
88.0-89.0	6.3	0.7	460.3	0.14	96.52
89.0-90.0	5.6	0.6	460.9	0.13	96.65
90.0-91.0	5.0	0.6	461.4	0.12	96.77
91.0-92.0	4.6	0.5	462.0	0.11	96.88
92.0-93.0	4.3	0.5	462.4	0.10	96.97
93.0-94.0	4.1	0.5	462.9	0.09	97.07
94.0-95.0	3.9	0.4	463.3	0.09	97.16
95.0-96.0	3.8	0.4	463.7	0.09	97.25
96.0-97.0	3.6	0.4	464.1	0.08	97.33
97.0-98.0	3.5	0.4	464.5	0.08	97.41
98.0-99.0	3.4	0.4	464.9	0.08	97.49
99.0-100.0	3.3	0.4	465.2	0.07	97.56
100.0-101.0	3.2	0.3	465.6	0.07	97.63
101.0-102.0	3.1	0.3	465.9	0.07	97.70
102.0-103.0	3.1	0.3	466.2	0.07	97.77
103.0-104.0	3.0	0.3	466.6	0.07	97.84
104.0-105.0	2.9	0.3	466.9	0.07	97.91
105.0-106.0	2.9	0.3	467.2	0.06	97.97
106.0-107.0	2.8	0.3	467.5	0.06	98.03
107.0-108.0	2.8	0.3	467.8	0.06	98.09

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 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	2.7	0.3	468.0	0.06	98.15
109.0-110.0	2.7	0.3	468.3	0.06	98.21
110.0-111.0	2.7	0.3	468.6	0.06	98.27
111.0-112.0	2.6	0.3	468.9	0.06	98.32
112.0-113.0	2.6	0.3	469.1	0.05	98.38
113.0-114.0	2.5	0.3	469.4	0.05	98.43
114.0-115.0	2.5	0.2	469.6	0.05	98.49
115.0-116.0	2.5	0.2	469.9	0.05	98.54
116.0-117.0	2.5	0.2	470.1	0.05	98.59
117.0-118.0	2.4	0.2	470.4	0.05	98.64
118.0-119.0	2.4	0.2	470.6	0.05	98.69
119.0-120.0	2.4	0.2	470.8	0.05	98.73
120.0-121.0	2.4	0.2	471.0	0.05	98.78
121.0-122.0	2.4	0.2	471.3	0.05	98.83
122.0-123.0	2.3	0.2	471.5	0.05	98.87
123.0-124.0	2.3	0.2	471.7	0.04	98.92
124.0-125.0	2.3	0.2	471.9	0.04	98.96
125.0-126.0	2.2	0.2	472.1	0.04	99.00
126.0-127.0	2.2	0.2	472.3	0.04	99.04
127.0-128.0	2.2	0.2	472.5	0.04	99.08
128.0-129.0	2.1	0.2	472.7	0.04	99.12
129.0-130.0	2.1	0.2	472.8	0.04	99.16
130.0-131.0	2.1	0.2	473.0	0.04	99.19
131.0-132.0	2.0	0.2	473.2	0.04	99.23
132.0-133.0	2.0	0.2	473.3	0.03	99.26
133.0-134.0	2.0	0.2	473.5	0.03	99.30
134.0-135.0	1.9	0.2	473.6	0.03	99.33
135.0-136.0	1.9	0.1	473.8	0.03	99.36
136.0-137.0	1.9	0.1	473.9	0.03	99.39
137.0-138.0	1.8	0.1	474.1	0.03	99.42
138.0-139.0	1.8	0.1	474.2	0.03	99.44
139.0-140.0	1.8	0.1	474.3	0.03	99.47
140.0-141.0	1.7	0.1	474.4	0.03	99.49
141.0-142.0	1.7	0.1	474.6	0.02	99.52
142.0-143.0	1.7	0.1	474.7	0.02	99.54
143.0-144.0	1.7	0.1	474.8	0.02	99.57

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	1.7	0.1	474.9	0.02	99.59
145.0-146.0	1.7	0.1	475.0	0.02	99.61
146.0-147.0	1.7	0.1	475.1	0.02	99.63
147.0-148.0	1.7	0.1	475.2	0.02	99.65
148.0-149.0	1.7	0.1	475.3	0.02	99.67
149.0-150.0	1.7	0.1	475.4	0.02	99.69
150.0-151.0	1.7	0.1	475.5	0.02	99.71
151.0-152.0	1.7	0.1	475.6	0.02	99.73
152.0-153.0	1.7	0.1	475.7	0.02	99.75
153.0-154.0	1.7	0.1	475.7	0.02	99.77
154.0-155.0	1.7	0.1	475.8	0.02	99.78
155.0-156.0	1.7	0.1	475.9	0.02	99.80
156.0-157.0	1.7	0.1	476.0	0.02	99.82
157.0-158.0	1.7	0.1	476.1	0.02	99.83
158.0-159.0	1.7	0.1	476.1	0.01	99.85
159.0-160.0	1.8	0.1	476.2	0.01	99.86
160.0-161.0	1.8	0.1	476.3	0.01	99.87
161.0-162.0	1.8	0.1	476.3	0.01	99.89
162.0-163.0	1.8	0.1	476.4	0.01	99.90
163.0-164.0	1.8	0.1	476.4	0.01	99.91
164.0-165.0	1.7	0.1	476.5	0.01	99.92
165.0-166.0	1.7	0.0	476.5	0.01	99.93
166.0-167.0	1.7	0.0	476.6	0.01	99.94
167.0-168.0	1.8	0.0	476.6	0.01	99.95
168.0-169.0	1.8	0.0	476.7	0.01	99.96
169.0-170.0	1.8	0.0	476.7	0.01	99.96
170.0-171.0	1.8	0.0	476.7	0.01	99.97
171.0-172.0	1.8	0.0	476.7	0.01	99.98
172.0-173.0	1.8	0.0	476.8	0.01	99.98
173.0-174.0	1.8	0.0	476.8	0.00	99.99
174.0-175.0	1.8	0.0	476.8	0.00	99.99
175.0-176.0	1.8	0.0	476.8	0.00	99.99
176.0-177.0	1.8	0.0	476.8	0.00	100.00
177.0-178.0	1.8	0.0	476.8	0.00	100.00
178.0-179.0	1.8	0.0	476.9	0.00	100.00
179.0-180.0	1.8	0.0	476.9	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: