GENLED Brands
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Report No.: **Test Time: 2023/9/26 15:11**

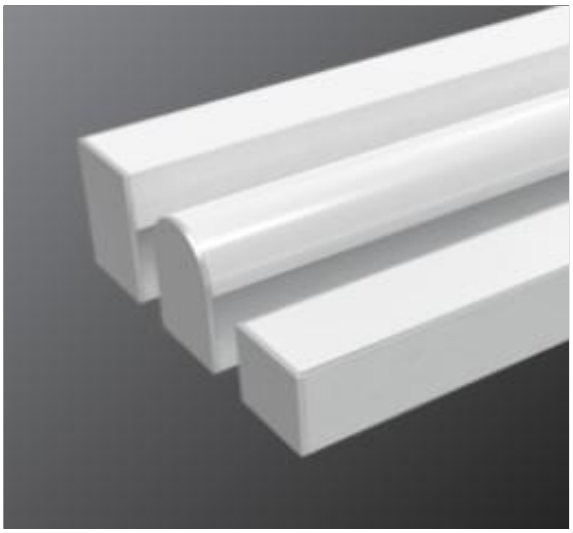
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAS30BKRB90SWDR206.030
Luminous Length (mm): 500 **Luminous Width (mm): 33.4**
Luminous Height (mm): 29.6 **Voltage: 24.0 V**
Current: 0.402 A **Power: 9.72 W**
Power Factor: 1.000

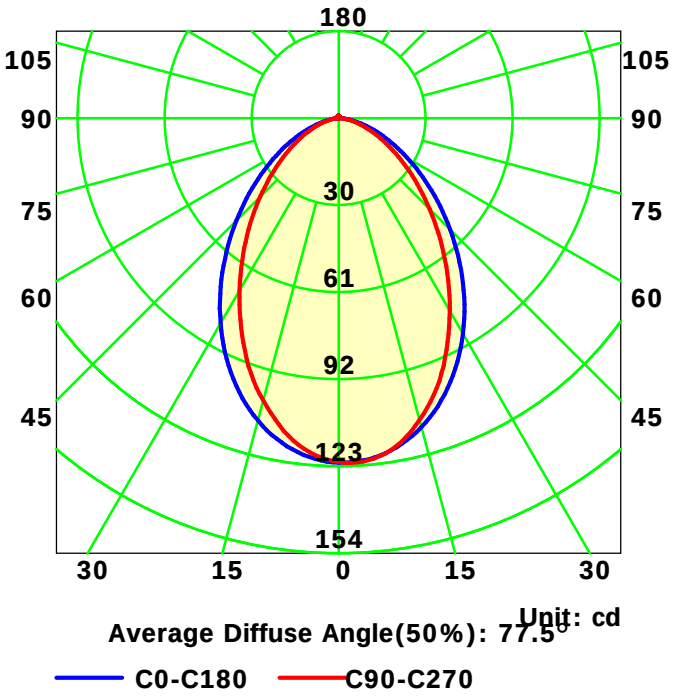
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 218.3 lm**
Measurement Flux: 218.3 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H141.9,H83.1
Vertical Diffuse Angle(10%,50%): V134.2,V71.9
Luminaire Efficacy Rating (LER): 22 **Central Intensity: 121.96 cd**
Max. Intensity: 122.32 cd **Pos of Max. Intensity: H150 V2**

Picture Of Luminaire

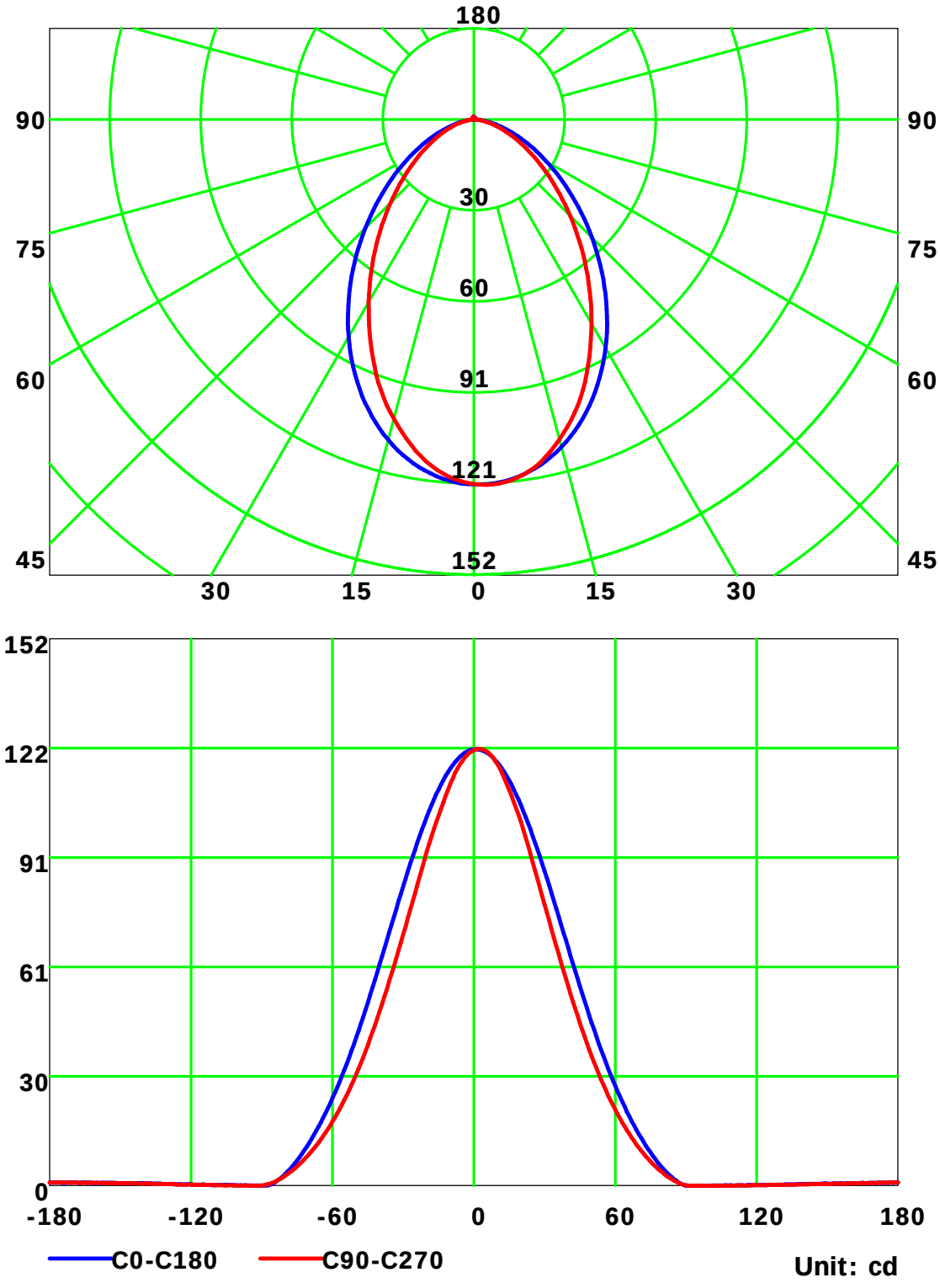


Luminous Intensity Distribution Curve



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:
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Temperature: 25
Operator: Nick

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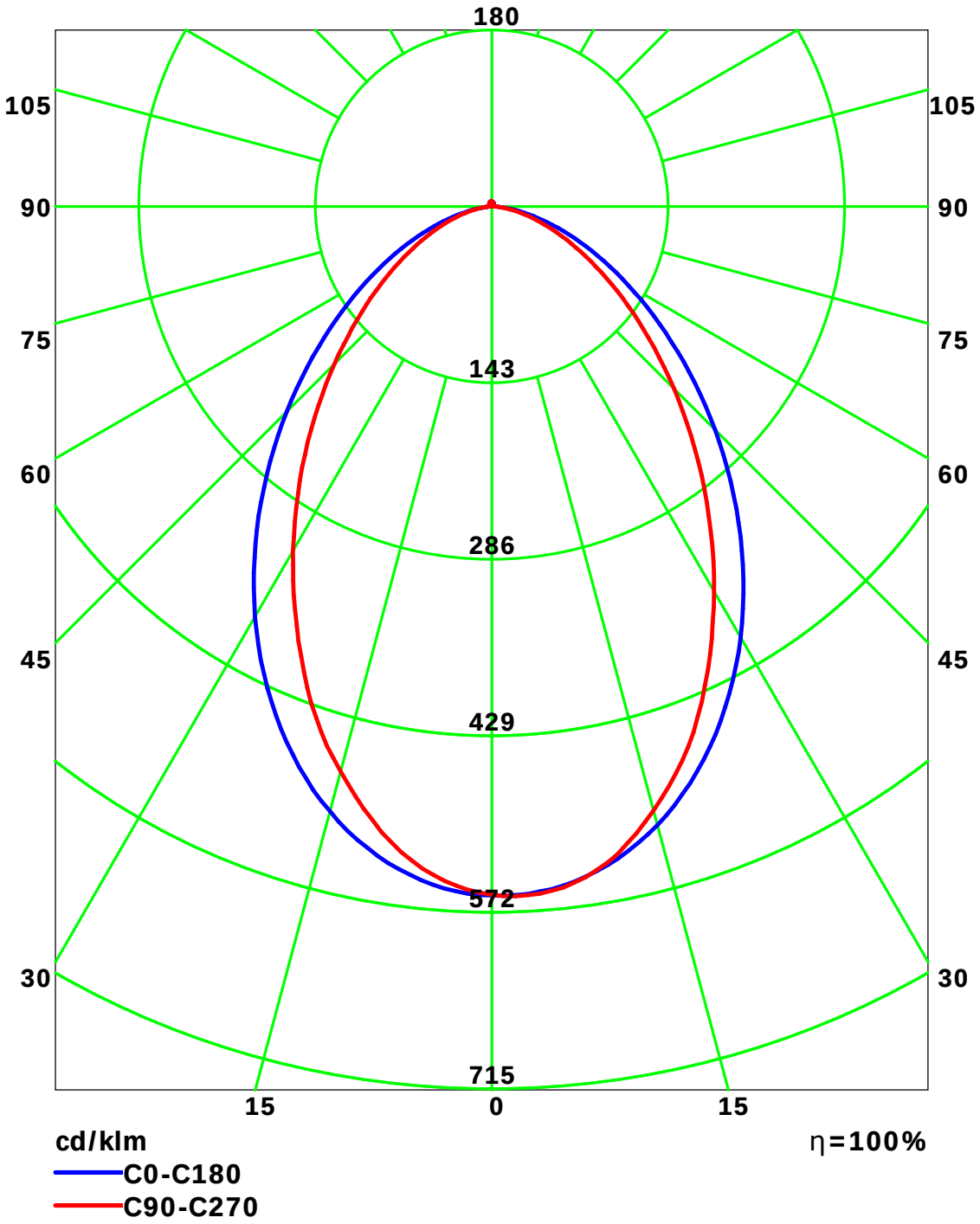
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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

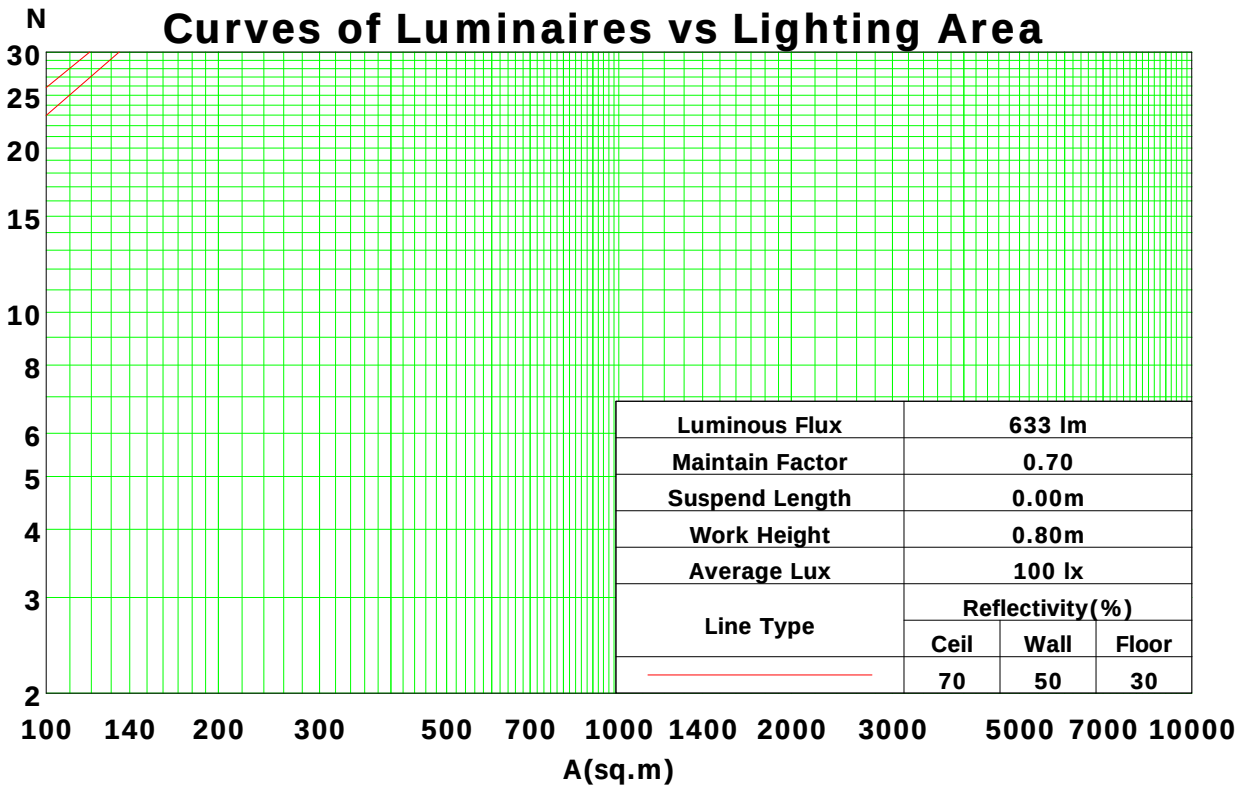
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	110	106	103	100	108	104	101	98	100	97	95	96	94	92	92	90	89	87
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75
3	94	85	78	72	92	83	77	72	80	75	70	78	73	69	75	71	68	66
4	87	77	69	63	85	75	68	62	73	66	62	70	65	61	68	64	60	58
5	81	69	61	55	79	68	61	55	66	60	55	64	58	54	62	57	53	51
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	47	43	41
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	43	39	38
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34
10	58	46	39	34	57	45	38	34	44	38	34	43	38	33	43	37	33	32

Spacing Criteria (0-180): 1.08
Spacing Criteria (90-270): 0.98
Spacing Criteria (Diagonal): 1.10

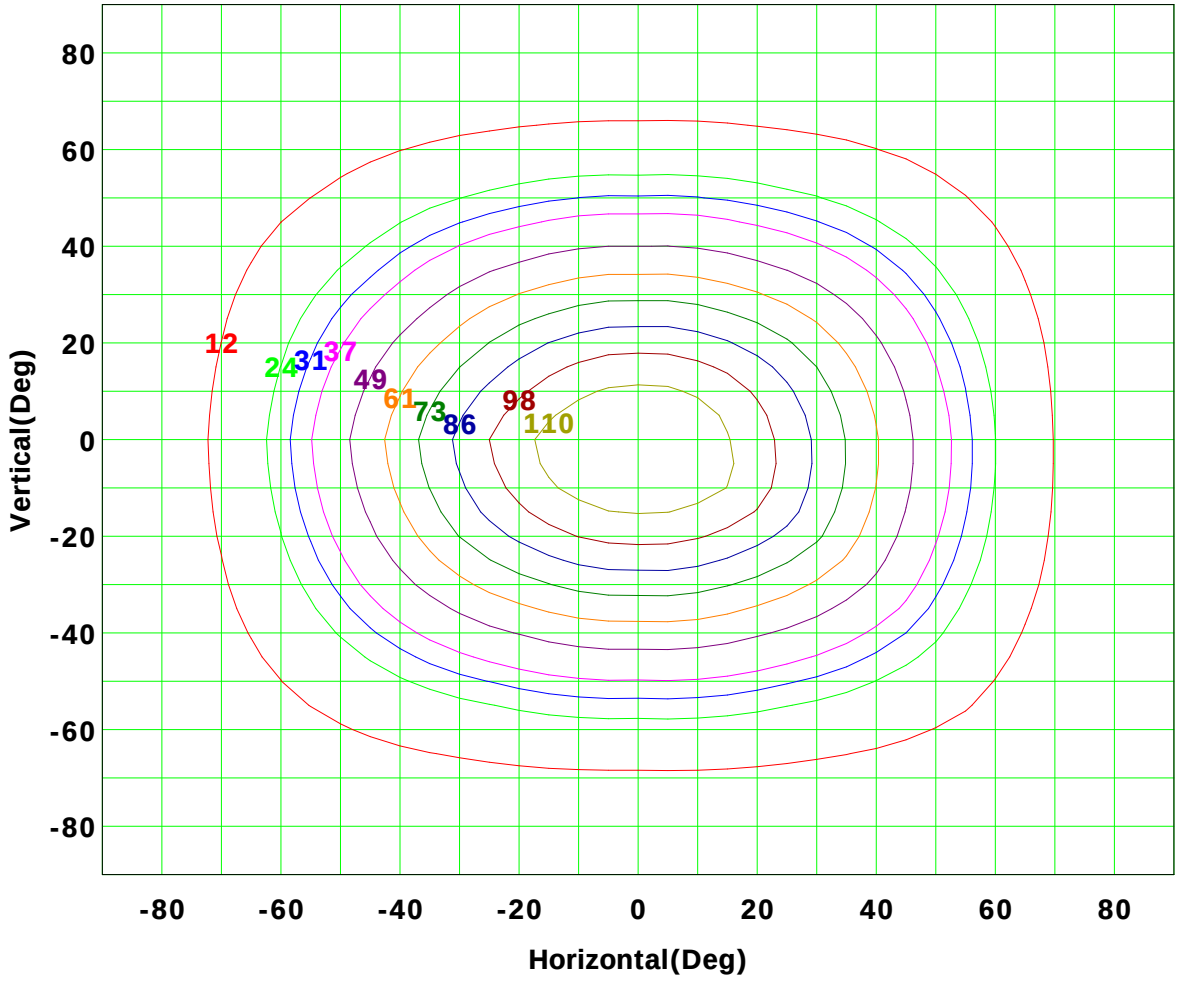
Curves of Luminaires vs Lighting Area



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)



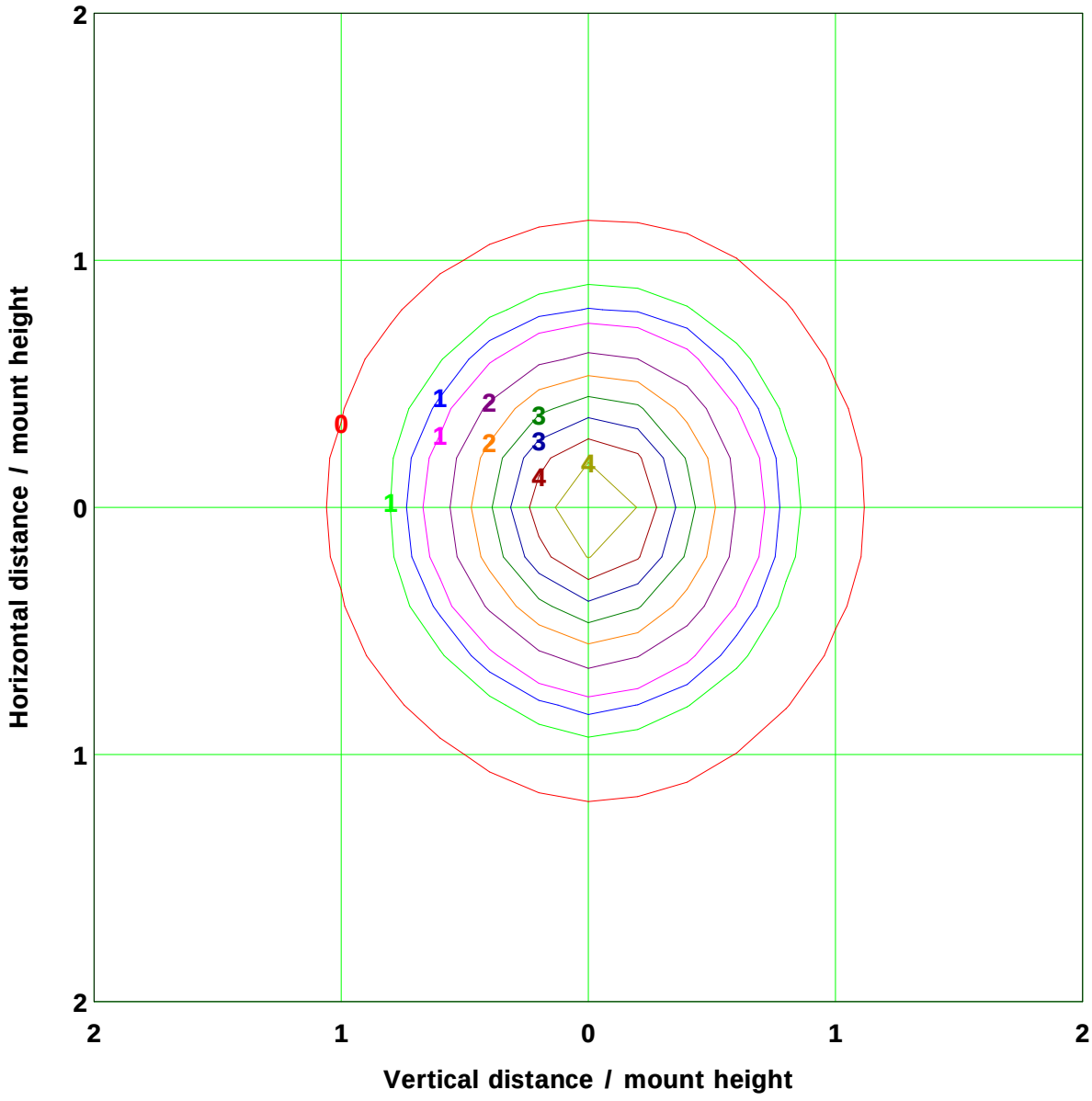
Imax (100%): 122 cd

(10%):	12 cd	(20%):	24 cd
(25%):	31 cd	(30%):	37 cd
(40%):	49 cd	(50%):	61 cd
(60%):	73 cd	(70%):	86 cd
(80%):	98 cd	(90%):	110 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%): 4.9 lx

(10%): 0.5 lx	(20%): 1.0 lx
(25%): 1.2 lx	(30%): 1.5 lx
(40%): 2.0 lx	(50%): 2.4 lx
(60%): 2.9 lx	(70%): 3.4 lx
(80%): 3.9 lx	(90%): 4.4 lx

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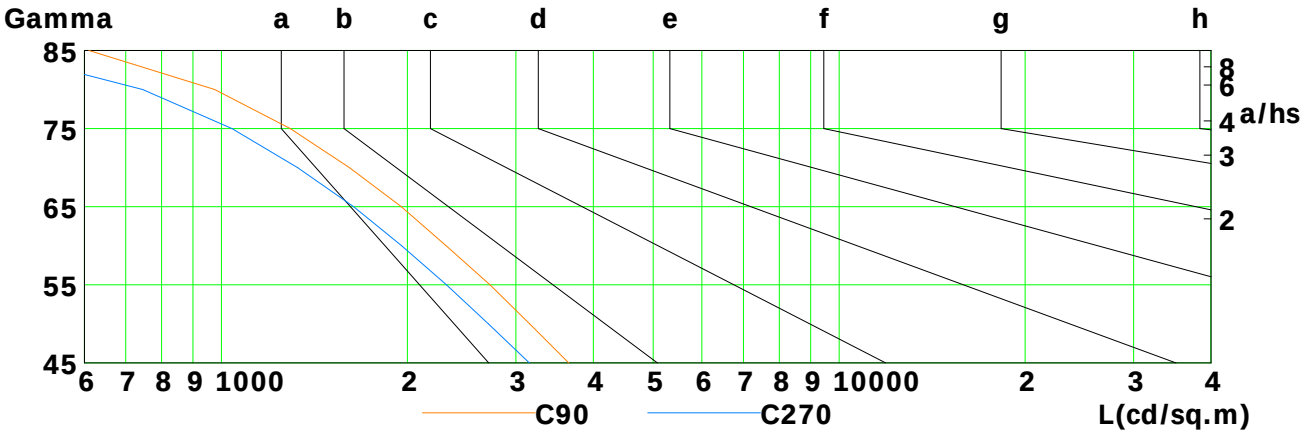
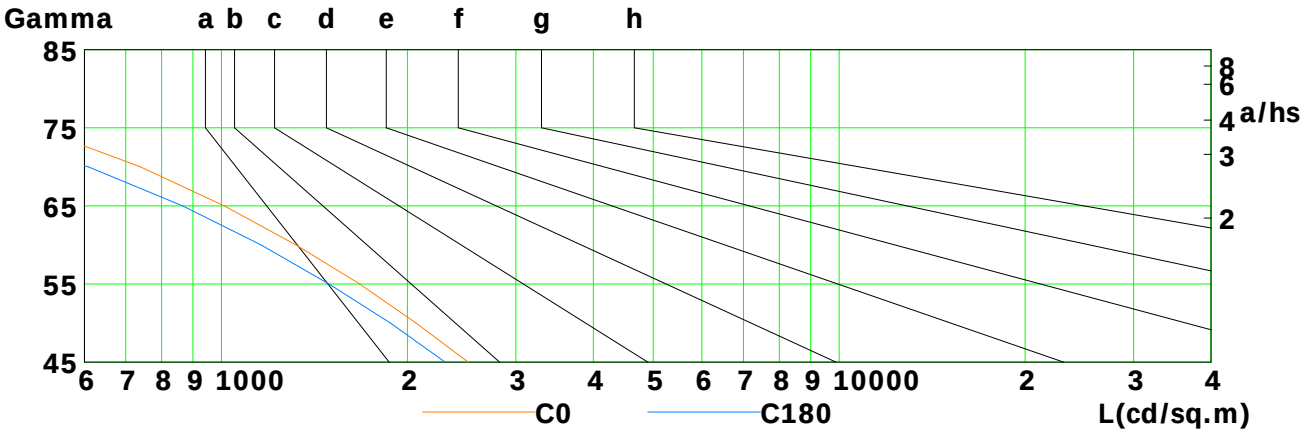
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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



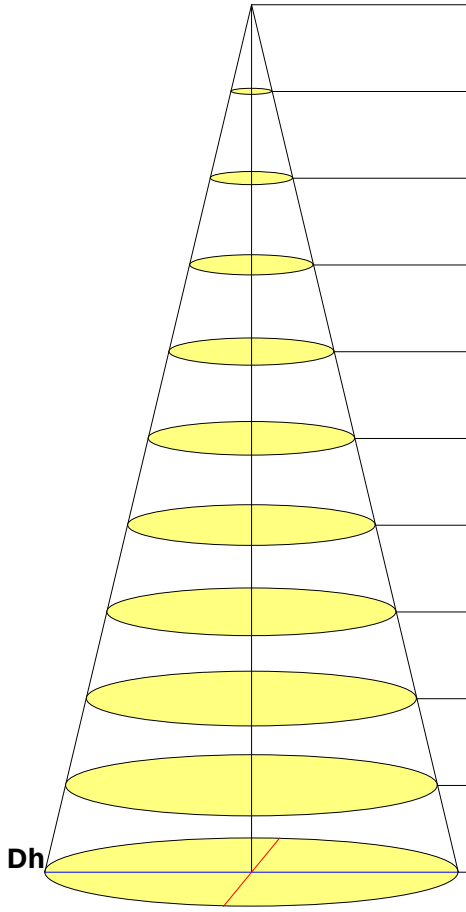


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2511	2066	1674	1321	1012	740	502	288	115
C90	3649	3158	2721	2313	1955	1613	1292	976	611
C180	2304	1878	1494	1160	866	609	383	192	51
C270	3154	2707	2314	1960	1637	1328	1040	746	426

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



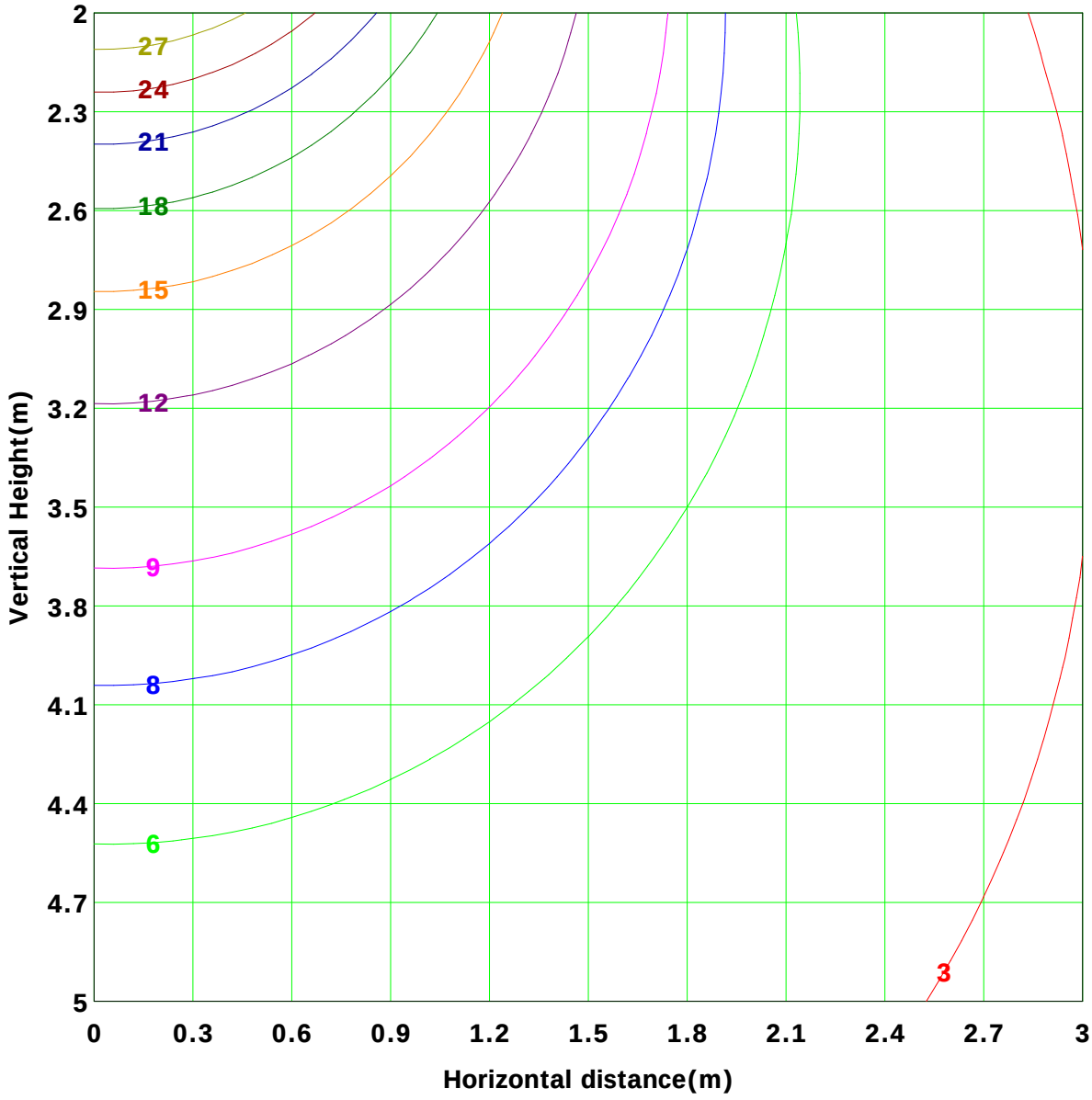
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	121.96	1.77/1.45	2.0	35.89
2.0	30.49	3.54/2.90	8.1	8.97
3.0	13.55	5.31/4.35	18.1	3.99
4.0	7.62	7.09/5.80	32.3	2.24
5.0	4.88	8.86/7.25	50.4	1.44
6.0	3.39	10.63/8.70	72.6	1.00
7.0	2.49	12.40/10.15	98.8	0.73
8.0	1.91	14.17/11.59	129.0	0.56
9.0	1.51	15.94/13.04	163.3	0.44
10.0	1.22	17.71/14.49	201.6	0.36

Beam Angle(B): H83.1 V71.9 Field Angle(F): H141.9 V134.2

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: 30.5 lx

(10%): 3.0 lx	(20%): 6.1 lx
(25%): 7.6 lx	(30%): 9.1 lx
(40%): 12.2 lx	(50%): 15.2 lx
(60%): 18.3 lx	(70%): 21.3 lx
(80%): 24.4 lx	(90%): 27.4 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
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Distance: 9.028 m
Humidity: 60%
Inspector:

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Area Flux Table

Unit: lm

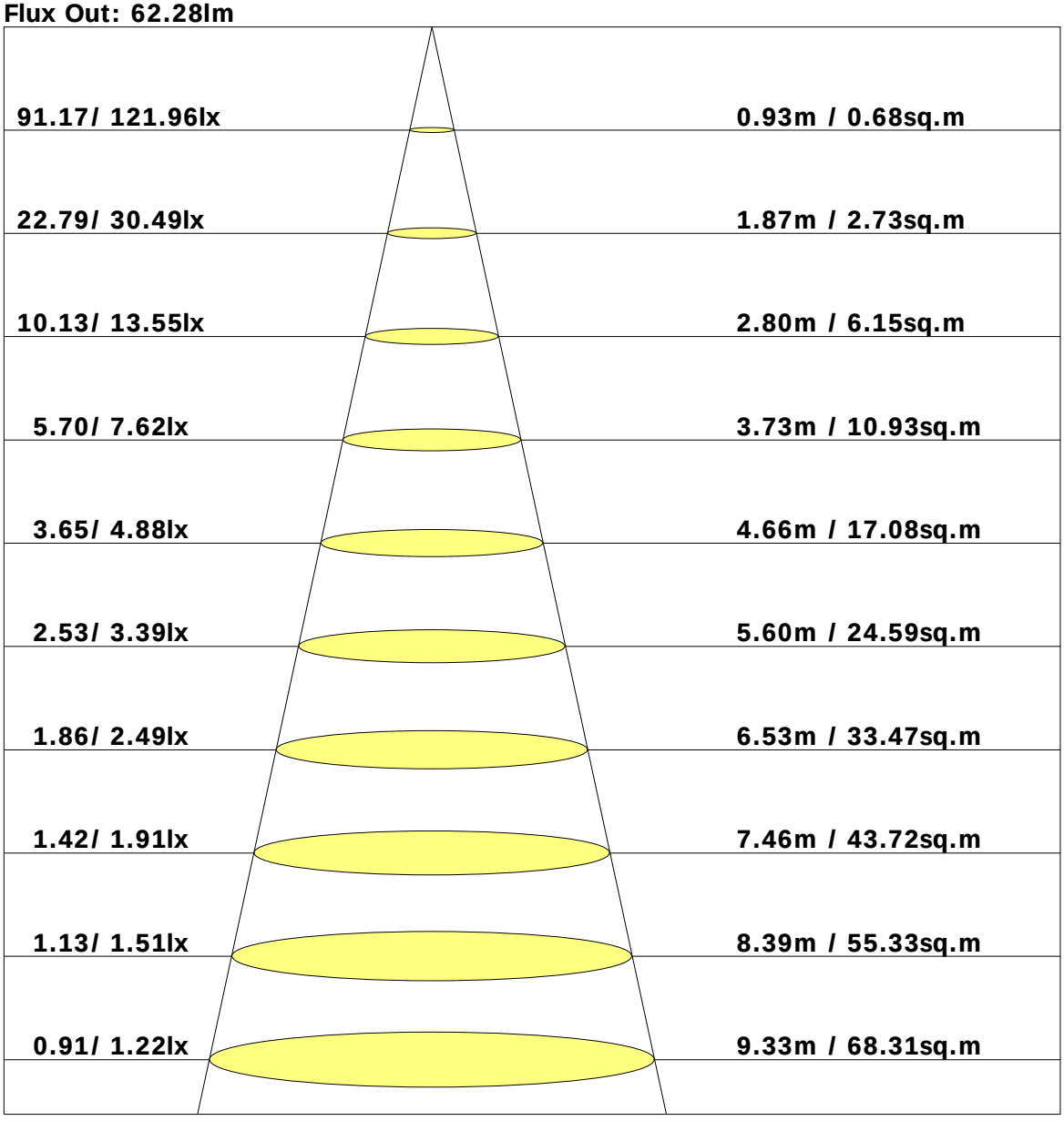
Vertical plane \ Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
-80	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.4	0.0
-70	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	3.3	1.4
-60	0.0	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.7	0.7	0.7	0.6	0.4	0.3	0.2	0.1	0.0	0.0	6.0	5.4
-50	0.0	0.0	0.1	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.1	0.0	0.0	9.6	9.3
-40	0.0	0.0	0.2	0.4	0.6	1.0	1.4	1.6	1.8	1.8	1.6	1.3	1.0	0.6	0.4	0.2	0.1	0.0	13.9	13.7
-30	0.0	0.1	0.2	0.4	0.8	1.3	1.8	2.2	2.5	2.5	2.2	1.8	1.3	0.8	0.5	0.2	0.1	0.0	18.7	18.5
-20	0.0	0.1	0.2	0.5	1.0	1.6	2.3	2.8	3.1	3.1	2.8	2.2	1.6	1.0	0.6	0.2	0.1	0.0	23.1	23.0
-10	0.0	0.1	0.2	0.6	1.1	1.8	2.5	3.2	3.5	3.5	3.2	2.6	1.9	1.2	0.6	0.3	0.1	0.0	26.2	26.1
0	0.0	0.1	0.2	0.6	1.1	1.8	2.6	3.3	3.6	3.6	3.3	2.6	1.9	1.2	0.6	0.3	0.1	0.0	26.9	26.8
10	0.0	0.1	0.2	0.5	1.1	1.7	2.4	3.0	3.3	3.3	3.0	2.4	1.7	1.1	0.6	0.3	0.1	0.0	24.9	24.7
20	0.0	0.1	0.2	0.5	0.9	1.5	2.0	2.5	2.7	2.7	2.5	2.0	1.5	0.9	0.5	0.2	0.1	0.0	20.8	20.7
30	0.0	0.0	0.2	0.4	0.8	1.2	1.5	1.9	2.0	2.0	1.8	1.5	1.1	0.7	0.4	0.2	0.1	0.0	15.9	15.7
40	0.0	0.0	0.1	0.3	0.6	0.8	1.1	1.3	1.4	1.4	1.3	1.1	0.8	0.5	0.3	0.1	0.0	0.0	11.2	10.9
50	0.0	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.9	0.9	0.8	0.7	0.5	0.4	0.2	0.1	0.0	0.0	7.2	6.8
60	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	4.1	2.6
70	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	1.9	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Flux(T)	0.0	0.6	2.2	5.3	9.7	15.3	20.9	25.6	28.2	28.1	25.4	20.8	15.3	9.9	5.5	2.4	0.7	0.1	216	
Flux(E)	0.0	0.0	1.5	4.6	9.1	14.6	20.3	25.0	27.5	27.4	24.8	20.2	14.6	9.2	4.9	1.8	0.1	0.0		206

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

Flux Out: 62.28lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	91.17/ 121.96lx		0.93m / 0.68sq.m
2.0m	22.79/ 30.49lx		1.87m / 2.73sq.m
3.0m	10.13/ 13.55lx		2.80m / 6.15sq.m
4.0m	5.70/ 7.62lx		3.73m / 10.93sq.m
5.0m	3.65/ 4.88lx		4.66m / 17.08sq.m
6.0m	2.53/ 3.39lx		5.60m / 24.59sq.m
7.0m	1.86/ 2.49lx		6.53m / 33.47sq.m
8.0m	1.42/ 1.91lx		7.46m / 43.72sq.m
9.0m	1.13/ 1.51lx		8.39m / 55.33sq.m
10.0m	0.91/ 1.22lx		9.33m / 68.31sq.m

C Plane (°):0.0-360.0: 30.0
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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	20.9	19.9	21.3	21.6	17.1	18.5	17.5	18.8	19.2
3H	20.8	22.1	21.2	22.4	22.8	17.9	19.2	18.3	19.6	19.9
4H	21.2	22.4	21.6	22.8	23.2	18.1	19.3	18.6	19.7	20.1
6H	21.4	22.5	21.9	22.9	23.4	18.2	19.3	18.7	19.7	20.1
8H	21.5	22.5	21.9	23.0	23.4	18.2	19.3	18.7	19.7	20.1
12H	21.5	22.5	22.0	22.9	23.4	18.2	19.2	18.7	19.6	20.1
X=4H Y=2H	19.6	20.8	20.0	21.2	21.6	17.6	18.8	18.0	19.2	19.6
3H	21.0	22.0	21.4	22.4	22.8	18.6	19.6	19.0	20.0	20.4
4H	21.5	22.4	21.9	22.8	23.3	18.9	19.8	19.3	20.2	20.7
6H	21.8	22.6	22.3	23.0	23.5	19.0	19.8	19.5	20.2	20.7
8H	21.9	22.6	22.3	23.0	23.5	19.0	19.7	19.5	20.2	20.7
12H	21.9	22.5	22.4	23.0	23.5	19.0	19.6	19.5	20.1	20.6
X=8H Y=4H	21.5	22.2	21.9	22.6	23.1	19.0	19.8	19.5	20.2	20.7
6H	21.8	22.4	22.3	22.9	23.4	19.2	19.8	19.7	20.3	20.8
8H	21.9	22.4	22.4	22.9	23.4	19.2	19.8	19.8	20.3	20.8
12H	21.9	22.4	22.5	22.9	23.5	19.3	19.7	19.8	20.2	20.8
X=12H Y=4H	21.4	22.1	21.9	22.6	23.0	19.0	19.7	19.5	20.2	20.7
6H	21.8	22.3	22.3	22.8	23.3	19.2	19.8	19.8	20.2	20.8
8H	21.9	22.3	22.4	22.8	23.4	19.3	19.7	19.8	20.2	20.8

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 = 1.00				
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	0.74	0.80	0.85	0.92	0.96	0.99	1.03	1.06
	0.30		0.57	0.67	0.74	0.79	0.87	0.91	0.95	1.00	1.03
	0.20		0.52	0.62	0.69	0.74	0.82	0.87	0.91	0.97	1.00
0.50	0.50	0.20	0.62	0.72	0.78	0.83	0.89	0.93	0.95	0.99	1.01
	0.30		0.56	0.66	0.72	0.77	0.84	0.89	0.92	0.96	0.99
	0.20		0.51	0.61	0.68	0.73	0.80	0.85	0.89	0.94	0.97
0.30	0.50	0.20	0.61	0.70	0.76	0.80	0.86	0.89	0.92	0.95	0.97
	0.30		0.55	0.65	0.71	0.76	0.82	0.86	0.89	0.93	0.95
	0.20		0.51	0.61	0.67	0.72	0.79	0.83	0.87	0.91	0.94
0.00	0.00	0.00	0.49	0.58	0.64	0.69	0.75	0.79	0.82	0.86	0.89

Rating:10W 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 = 1.00								
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	0.72	0.61	0.53	0.41	0.34	0.29	0.22	0.18
	0.30		0.74	0.62	0.53	0.46	0.37	0.31	0.27	0.21	0.17
	0.20		0.63	0.54	0.47	0.42	0.34	0.29	0.25	0.20	0.16
0.50	0.50	0.20	0.85	0.69	0.58	0.50	0.39	0.36	0.27	0.21	0.17
	0.30		0.72	0.60	0.51	0.45	0.36	0.30	0.26	0.20	0.16
	0.20		0.62	0.53	0.46	0.41	0.33	0.28	0.24	0.19	0.16
0.30	0.50	0.20	0.82	0.66	0.55	0.48	0.37	0.31	0.26	0.20	0.16
	0.30		0.70	0.58	0.49	0.43	0.34	0.29	0.24	0.19	0.16
	0.20		0.61	0.52	0.45	0.39	0.32	0.27	0.23	0.18	0.15
0.00	0.00	0.00	0.50	0.41	0.35	0.30	0.24	0.20	0.17	0.13	0.11

Rating:10W 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 = 1.00								
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	0.16	0.18	0.19	0.19	0.20	0.21	0.21	0.22	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	0.13	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21
	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	0.10	0.12	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.19	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	0.08	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:10W 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	121.9	0.1	0.1	0.05	0.05
1.0-2.0	121.8	0.3	0.5	0.16	0.21
2.0-3.0	121.6	0.6	1.0	0.27	0.48
3.0-4.0	121.2	0.8	1.9	0.37	0.85
4.0-5.0	120.8	1.0	2.9	0.48	1.33
5.0-6.0	120.3	1.3	4.2	0.58	1.91
6.0-7.0	119.6	1.5	5.6	0.68	2.59
7.0-8.0	118.8	1.7	7.3	0.78	3.37
8.0-9.0	118.0	1.9	9.3	0.88	4.24
9.0-10.0	117.0	2.1	11.4	0.97	5.21
10.0-11.0	115.9	2.3	13.7	1.06	6.27
11.0-12.0	114.6	2.5	16.2	1.15	7.42
12.0-13.0	113.3	2.7	18.9	1.23	8.65
13.0-14.0	111.9	2.9	21.8	1.31	9.97
14.0-15.0	110.4	3.0	24.8	1.39	11.36
15.0-16.0	108.9	3.2	28.0	1.46	12.82
16.0-17.0	107.3	3.3	31.3	1.53	14.35
17.0-18.0	105.6	3.5	34.8	1.60	15.94
18.0-19.0	103.8	3.6	38.4	1.66	17.60
19.0-20.0	102.0	3.7	42.1	1.71	19.31
20.0-21.0	100.2	3.8	46.0	1.76	21.07
21.0-22.0	98.2	3.9	49.9	1.81	22.88
22.0-23.0	96.2	4.0	54.0	1.85	24.73
23.0-24.0	94.1	4.1	58.1	1.89	26.62
24.0-25.0	92.0	4.2	62.3	1.92	28.53
25.0-26.0	89.9	4.2	66.5	1.94	30.48
26.0-27.0	87.7	4.3	70.8	1.97	32.44
27.0-28.0	85.5	4.3	75.1	1.98	34.43
28.0-29.0	83.3	4.4	79.5	2.00	36.42
29.0-30.0	81.1	4.4	83.9	2.01	38.43
30.0-31.0	78.9	4.4	88.3	2.01	40.44
31.0-32.0	76.7	4.4	92.7	2.01	42.45
32.0-33.0	74.4	4.4	97.0	2.01	44.46
33.0-34.0	72.2	4.4	101.4	2.00	46.47
34.0-35.0	70.0	4.3	105.8	1.99	48.46
35.0-36.0	67.8	4.3	110.1	1.98	50.43

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	65.6	4.3	114.4	1.96	52.39
37.0-38.0	63.4	4.2	118.6	1.94	54.33
38.0-39.0	61.2	4.2	122.8	1.91	56.25
39.0-40.0	59.0	4.1	126.9	1.88	58.13
40.0-41.0	56.8	4.0	130.9	1.85	59.98
41.0-42.0	54.7	4.0	134.9	1.82	61.80
42.0-43.0	52.6	3.9	138.8	1.79	63.59
43.0-44.0	50.6	3.8	142.6	1.75	65.34
44.0-45.0	48.6	3.7	146.3	1.71	67.05
45.0-46.0	46.6	3.6	150.0	1.67	68.72
46.0-47.0	44.6	3.5	153.5	1.63	70.34
47.0-48.0	42.7	3.5	157.0	1.58	71.93
48.0-49.0	40.9	3.4	160.3	1.54	73.46
49.0-50.0	39.0	3.3	163.6	1.49	74.95
50.0-51.0	37.2	3.2	166.7	1.44	76.40
51.0-52.0	35.5	3.0	169.8	1.40	77.79
52.0-53.0	33.8	2.9	172.7	1.35	79.14
53.0-54.0	32.2	2.8	175.6	1.30	80.44
54.0-55.0	30.6	2.7	178.3	1.25	81.69
55.0-56.0	29.0	2.6	180.9	1.20	82.90
56.0-57.0	27.5	2.5	183.4	1.15	84.05
57.0-58.0	26.1	2.4	185.9	1.10	85.15
58.0-59.0	24.7	2.3	188.2	1.06	86.21
59.0-60.0	23.3	2.2	190.4	1.01	87.22
60.0-61.0	21.9	2.1	192.5	0.96	88.18
61.0-62.0	20.7	2.0	194.5	0.91	89.09
62.0-63.0	19.4	1.9	196.3	0.86	89.95
63.0-64.0	18.2	1.8	198.1	0.82	90.77
64.0-65.0	17.1	1.7	199.8	0.77	91.55
65.0-66.0	15.9	1.6	201.4	0.73	92.27
66.0-67.0	14.8	1.5	202.9	0.68	92.96
67.0-68.0	13.8	1.4	204.3	0.64	93.60
68.0-69.0	12.8	1.3	205.6	0.60	94.19
69.0-70.0	11.8	1.2	206.8	0.55	94.75
70.0-71.0	10.8	1.1	207.9	0.51	95.26
71.0-72.0	9.9	1.0	209.0	0.47	95.73

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	9.1	0.9	209.9	0.44	96.17
73.0-74.0	8.3	0.9	210.8	0.40	96.57
74.0-75.0	7.5	0.8	211.6	0.36	96.93
75.0-76.0	6.7	0.7	212.3	0.33	97.25
76.0-77.0	6.0	0.6	212.9	0.29	97.54
77.0-78.0	5.3	0.6	213.5	0.26	97.80
78.0-79.0	4.6	0.5	214.0	0.23	98.03
79.0-80.0	4.0	0.4	214.4	0.20	98.23
80.0-81.0	3.4	0.4	214.8	0.17	98.40
81.0-82.0	2.9	0.3	215.1	0.14	98.54
82.0-83.0	2.4	0.3	215.3	0.12	98.66
83.0-84.0	1.9	0.2	215.6	0.10	98.76
84.0-85.0	1.5	0.2	215.7	0.07	98.83
85.0-86.0	1.1	0.1	215.8	0.06	98.89
86.0-87.0	0.8	0.1	215.9	0.04	98.93
87.0-88.0	0.5	0.1	216.0	0.03	98.96
88.0-89.0	0.3	0.0	216.0	0.02	98.97
89.0-90.0	0.2	0.0	216.0	0.01	98.98
90.0-91.0	0.1	0.0	216.1	0.01	98.99
91.0-92.0	0.1	0.0	216.1	0.00	98.99
92.0-93.0	0.1	0.0	216.1	0.00	98.99
93.0-94.0	0.1	0.0	216.1	0.00	99.00
94.0-95.0	0.1	0.0	216.1	0.00	99.00
95.0-96.0	0.1	0.0	216.1	0.00	99.00
96.0-97.0	0.1	0.0	216.1	0.00	99.01
97.0-98.0	0.1	0.0	216.1	0.00	99.01
98.0-99.0	0.1	0.0	216.1	0.00	99.02
99.0-100.0	0.1	0.0	216.1	0.01	99.02
100.0-101.0	0.1	0.0	216.1	0.01	99.03
101.0-102.0	0.1	0.0	216.2	0.01	99.03
102.0-103.0	0.1	0.0	216.2	0.01	99.04
103.0-104.0	0.1	0.0	216.2	0.01	99.05
104.0-105.0	0.1	0.0	216.2	0.01	99.05
105.0-106.0	0.1	0.0	216.2	0.01	99.06
106.0-107.0	0.2	0.0	216.2	0.01	99.07
107.0-108.0	0.2	0.0	216.2	0.01	99.07

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	0.2	0.0	216.3	0.01	99.08
109.0-110.0	0.2	0.0	216.3	0.01	99.09
110.0-111.0	0.2	0.0	216.3	0.01	99.10
111.0-112.0	0.2	0.0	216.3	0.01	99.11
112.0-113.0	0.2	0.0	216.3	0.01	99.12
113.0-114.0	0.2	0.0	216.4	0.01	99.13
114.0-115.0	0.2	0.0	216.4	0.01	99.14
115.0-116.0	0.2	0.0	216.4	0.01	99.15
116.0-117.0	0.2	0.0	216.4	0.01	99.16
117.0-118.0	0.3	0.0	216.5	0.01	99.17
118.0-119.0	0.3	0.0	216.5	0.01	99.18
119.0-120.0	0.3	0.0	216.5	0.01	99.20
120.0-121.0	0.3	0.0	216.5	0.01	99.21
121.0-122.0	0.3	0.0	216.6	0.01	99.23
122.0-123.0	0.3	0.0	216.6	0.01	99.24
123.0-124.0	0.3	0.0	216.6	0.01	99.25
124.0-125.0	0.3	0.0	216.7	0.01	99.27
125.0-126.0	0.4	0.0	216.7	0.01	99.28
126.0-127.0	0.4	0.0	216.7	0.02	99.30
127.0-128.0	0.4	0.0	216.8	0.02	99.31
128.0-129.0	0.4	0.0	216.8	0.02	99.33
129.0-130.0	0.4	0.0	216.8	0.02	99.35
130.0-131.0	0.4	0.0	216.9	0.02	99.36
131.0-132.0	0.4	0.0	216.9	0.02	99.38
132.0-133.0	0.5	0.0	216.9	0.02	99.40
133.0-134.0	0.5	0.0	217.0	0.02	99.41
134.0-135.0	0.5	0.0	217.0	0.02	99.43
135.0-136.0	0.5	0.0	217.1	0.02	99.45
136.0-137.0	0.5	0.0	217.1	0.02	99.47
137.0-138.0	0.5	0.0	217.1	0.02	99.48
138.0-139.0	0.5	0.0	217.2	0.02	99.50
139.0-140.0	0.6	0.0	217.2	0.02	99.52
140.0-141.0	0.6	0.0	217.3	0.02	99.54
141.0-142.0	0.6	0.0	217.3	0.02	99.56
142.0-143.0	0.6	0.0	217.3	0.02	99.57
143.0-144.0	0.6	0.0	217.4	0.02	99.59

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	0.6	0.0	217.4	0.02	99.61
145.0-146.0	0.6	0.0	217.4	0.02	99.63
146.0-147.0	0.6	0.0	217.5	0.02	99.64
147.0-148.0	0.7	0.0	217.5	0.02	99.66
148.0-149.0	0.7	0.0	217.6	0.02	99.68
149.0-150.0	0.7	0.0	217.6	0.02	99.70
150.0-151.0	0.7	0.0	217.6	0.02	99.71
151.0-152.0	0.7	0.0	217.7	0.02	99.73
152.0-153.0	0.7	0.0	217.7	0.02	99.75
153.0-154.0	0.7	0.0	217.7	0.02	99.76
154.0-155.0	0.7	0.0	217.8	0.02	99.78
155.0-156.0	0.7	0.0	217.8	0.02	99.80
156.0-157.0	0.7	0.0	217.9	0.01	99.81
157.0-158.0	0.8	0.0	217.9	0.01	99.83
158.0-159.0	0.8	0.0	217.9	0.01	99.84
159.0-160.0	0.8	0.0	217.9	0.01	99.85
160.0-161.0	0.8	0.0	218.0	0.01	99.87
161.0-162.0	0.8	0.0	218.0	0.01	99.88
162.0-163.0	0.8	0.0	218.0	0.01	99.89
163.0-164.0	0.8	0.0	218.1	0.01	99.90
164.0-165.0	0.8	0.0	218.1	0.01	99.91
165.0-166.0	0.8	0.0	218.1	0.01	99.92
166.0-167.0	0.8	0.0	218.1	0.01	99.93
167.0-168.0	0.9	0.0	218.1	0.01	99.94
168.0-169.0	0.9	0.0	218.2	0.01	99.95
169.0-170.0	0.9	0.0	218.2	0.01	99.96
170.0-171.0	0.9	0.0	218.2	0.01	99.97
171.0-172.0	0.9	0.0	218.2	0.01	99.97
172.0-173.0	0.9	0.0	218.2	0.01	99.98
173.0-174.0	0.9	0.0	218.2	0.01	99.99
174.0-175.0	0.9	0.0	218.2	0.00	99.99
175.0-176.0	0.9	0.0	218.2	0.00	99.99
176.0-177.0	0.9	0.0	218.3	0.00	100.00
177.0-178.0	0.9	0.0	218.3	0.00	100.00
178.0-179.0	0.9	0.0	218.3	0.00	100.00
179.0-180.0	0.9	0.0	218.3	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: