GENLED Brands
www.genledbrands.com
Tel:+1 212 629 6830
Fax:

Report No.: **Test Time: 2023/9/26 15:39**

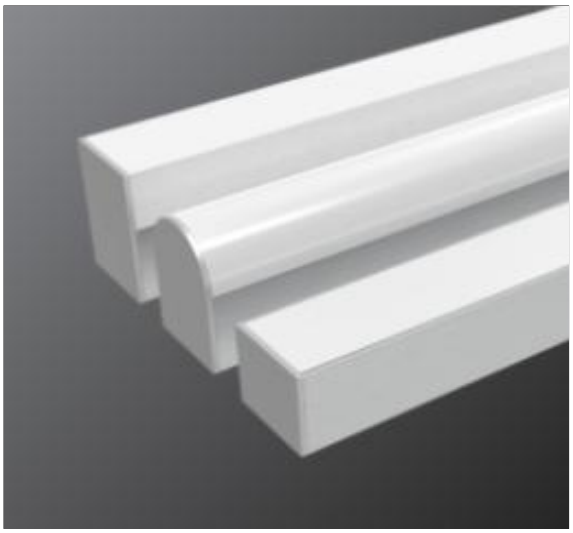
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAS30BKRB90SWDR2012.030
Luminous Length (mm): 500 **Luminous Width (mm): 33.4**
Luminous Height (mm): 29.6 **Voltage: 24.0 V**
Current: 0.808 A **Power: 19.62 W**
Power Factor: 1.000

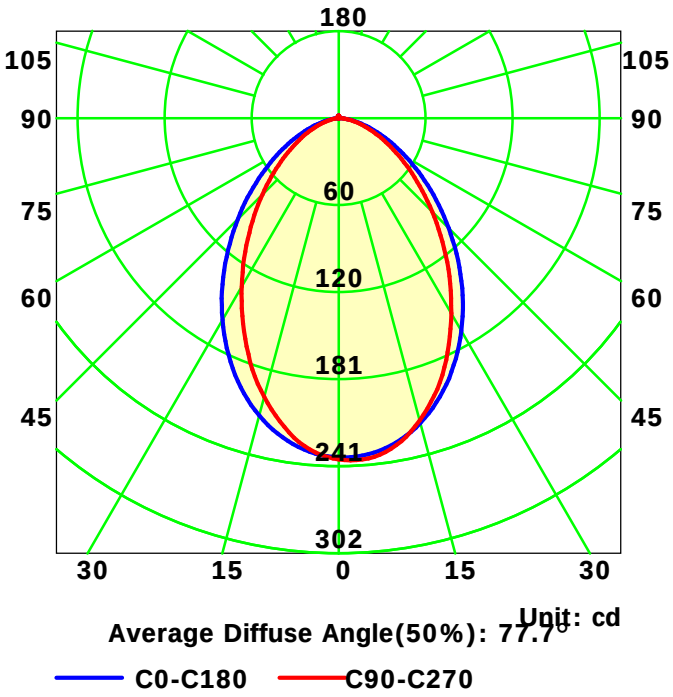
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 426.3 lm**
Measurement Flux: 426.3 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H142.1,H83.1
Vertical Diffuse Angle(10%,50%): V134.7,V72.2
Luminaire Efficacy Rating (LER): 22 **Central Intensity: 235.46 cd**
Max. Intensity: 238.73 cd **Pos of Max. Intensity: H150 V3**

Picture Of Luminaire



Luminous Intensity Distribution Curve



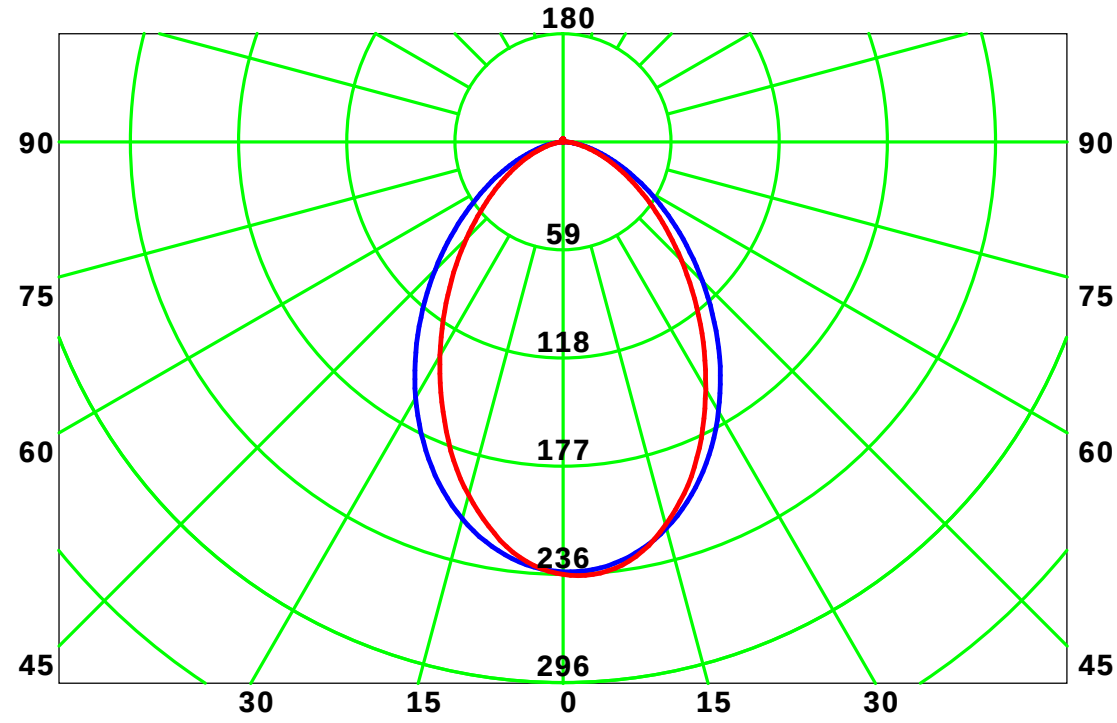
Unit: cd

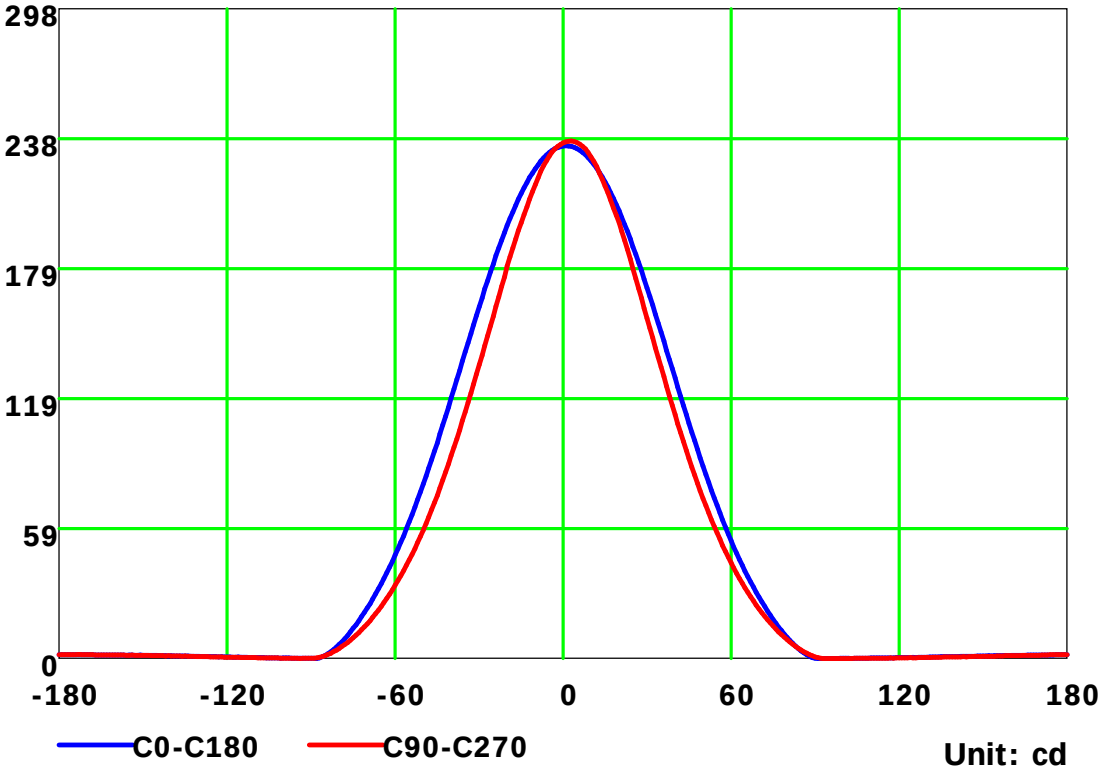
Average Diffuse Angle(50%): 77.7°

C0-C180 **C90-C270**

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

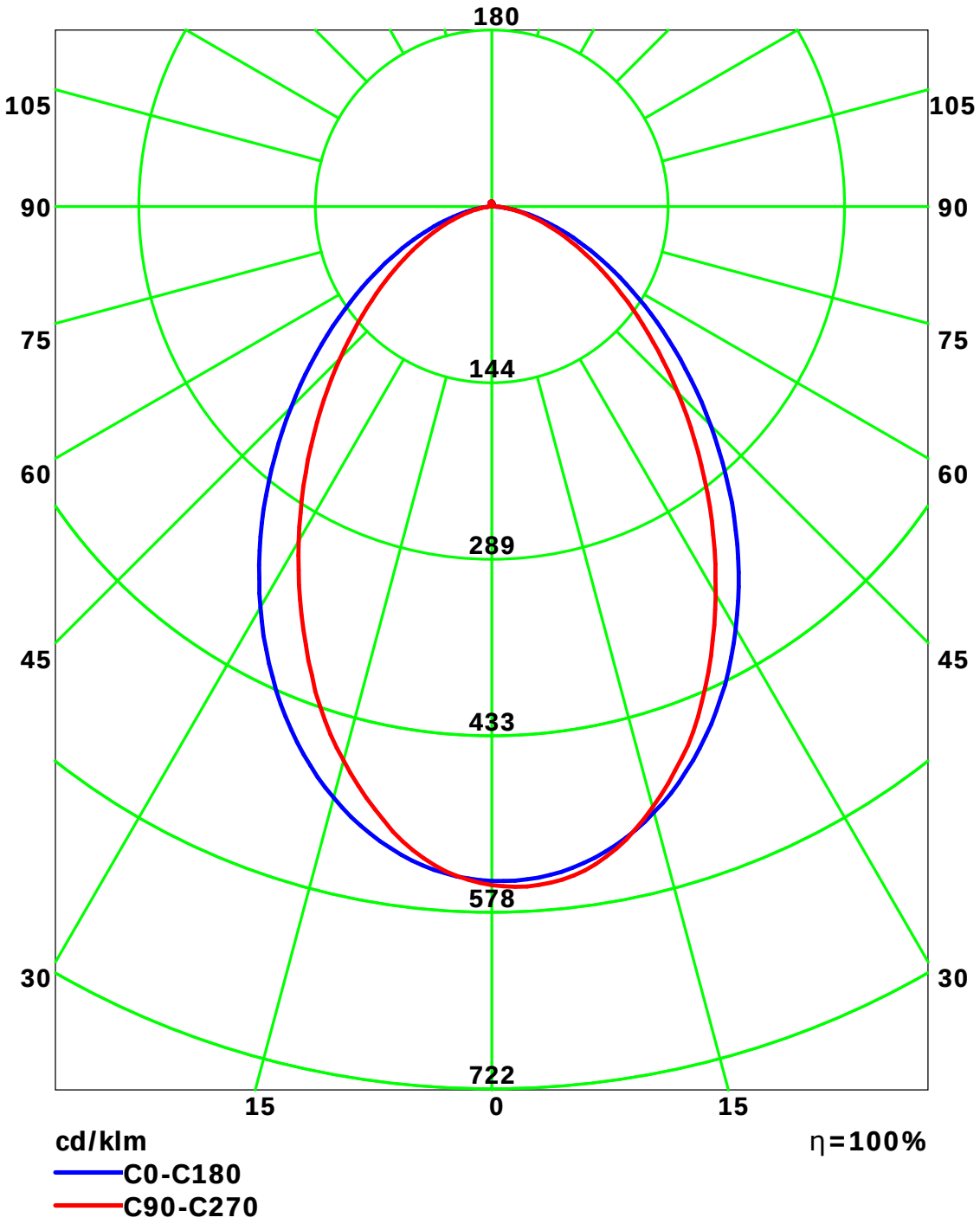




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

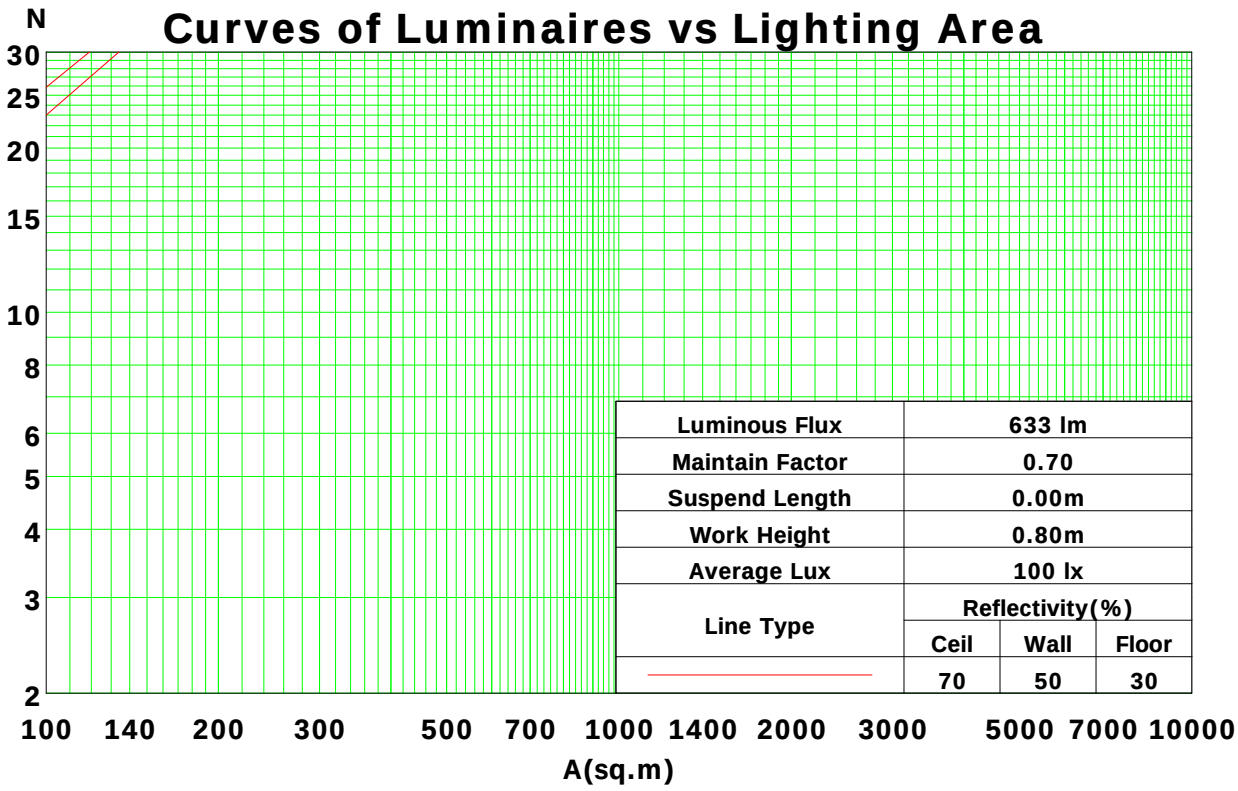
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	110	106	103	99	108	104	101	98	100	97	95	96	93	91	92	90	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	85	78	72	92	83	77	71	80	75	70	77	73	69	75	71	68	65
4	87	76	69	63	85	75	68	62	73	66	61	70	65	60	68	63	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	43	53	47	43	41
8	66	53	46	40	64	53	45	40	51	45	40	50	44	39	49	43	39	37
9	62	49	42	37	60	49	42	37	48	41	36	46	40	36	45	40	36	34
10	58	46	39	34	57	45	38	34	44	38	33	43	37	33	42	37	33	31

Spacing Criteria (0-180): 1.08
Spacing Criteria (90-270): 0.98
Spacing Criteria (Diagonal): 1.11

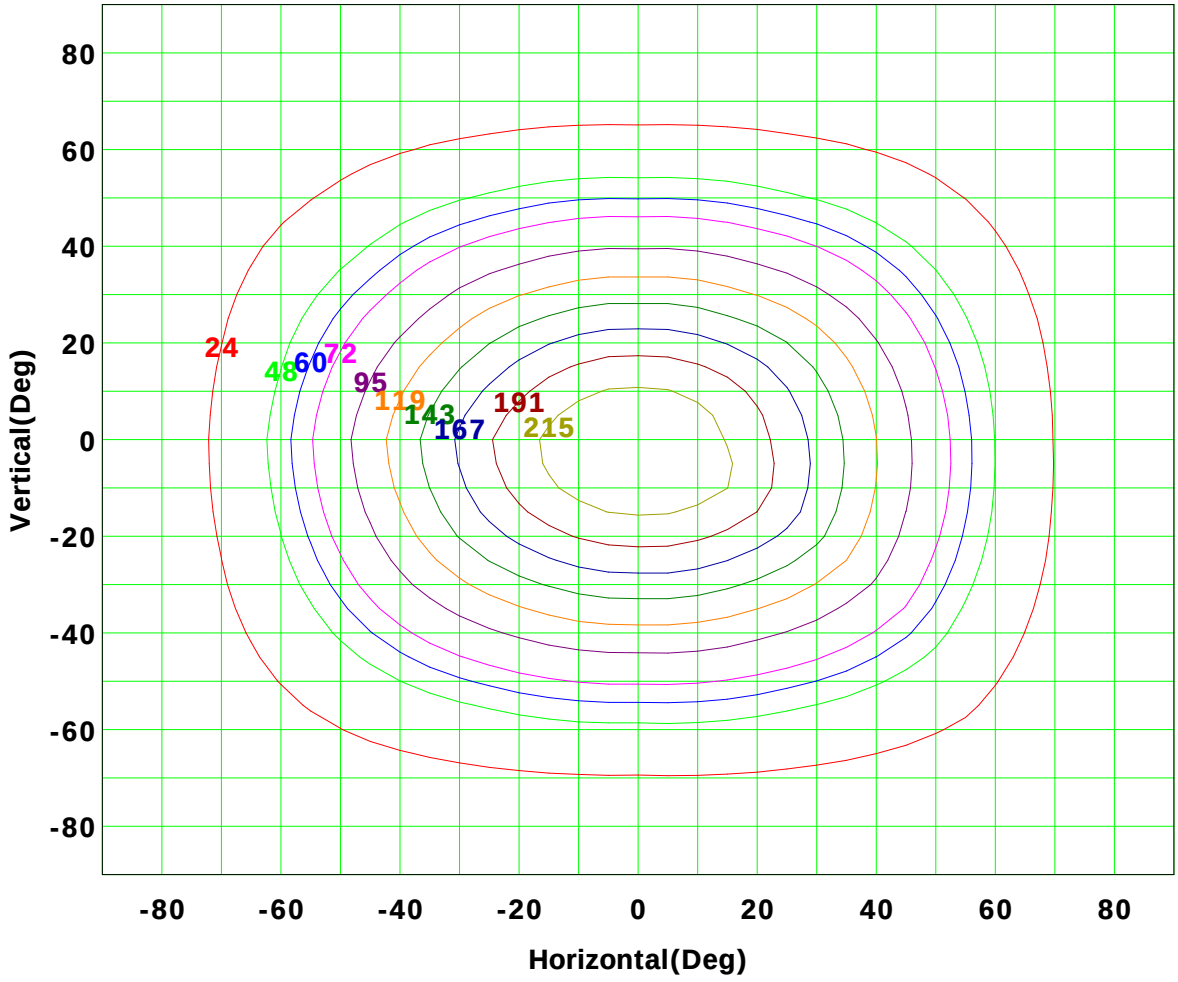
Curves of Luminaires vs Lighting Area



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)



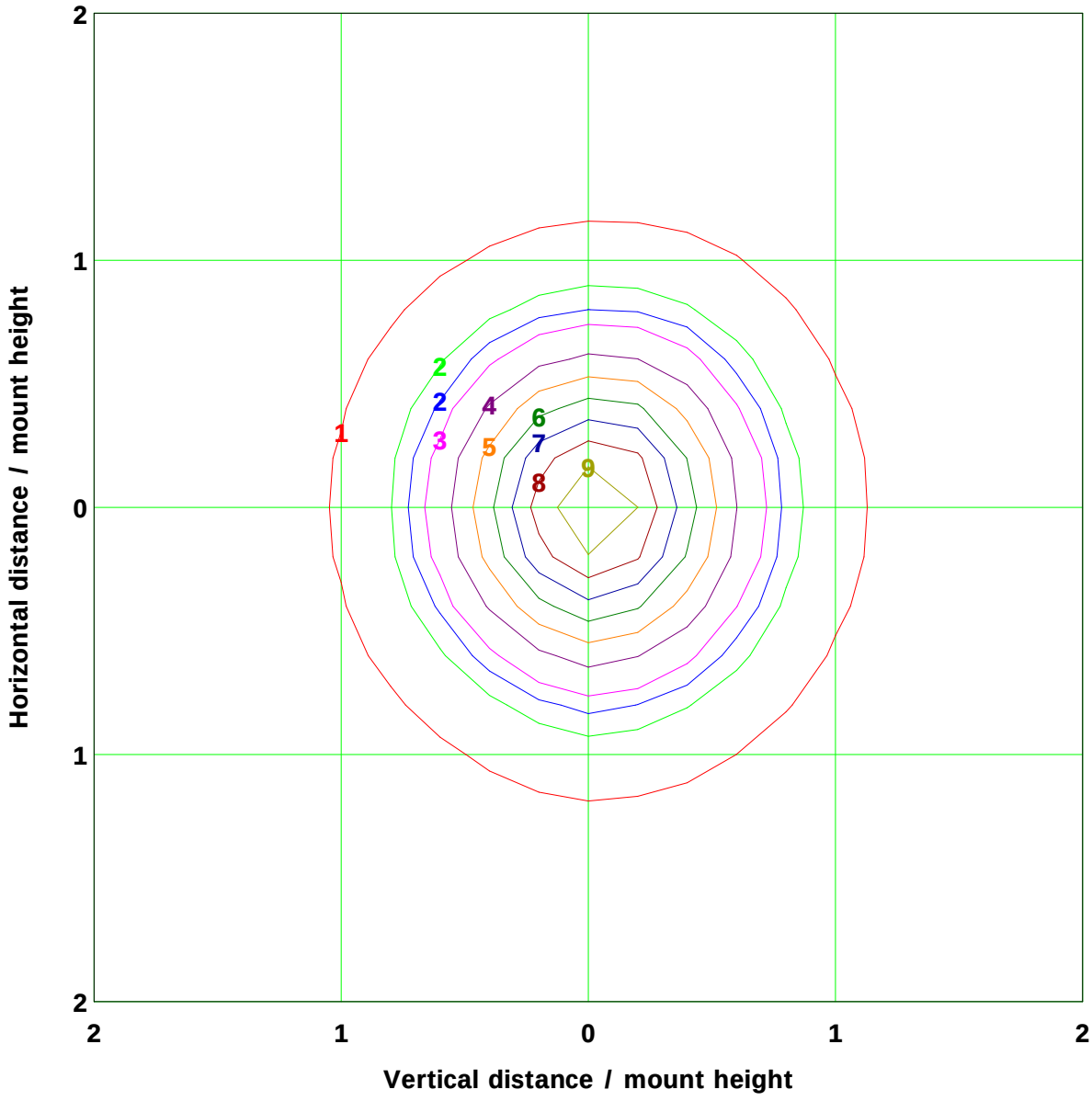
Imax (100%): 239 cd

(10%):	24 cd	(20%):	48 cd
(25%):	60 cd	(30%):	72 cd
(40%):	95 cd	(50%):	119 cd
(60%):	143 cd	(70%):	167 cd
(80%):	191 cd	(90%):	215 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%): 9.5 lx

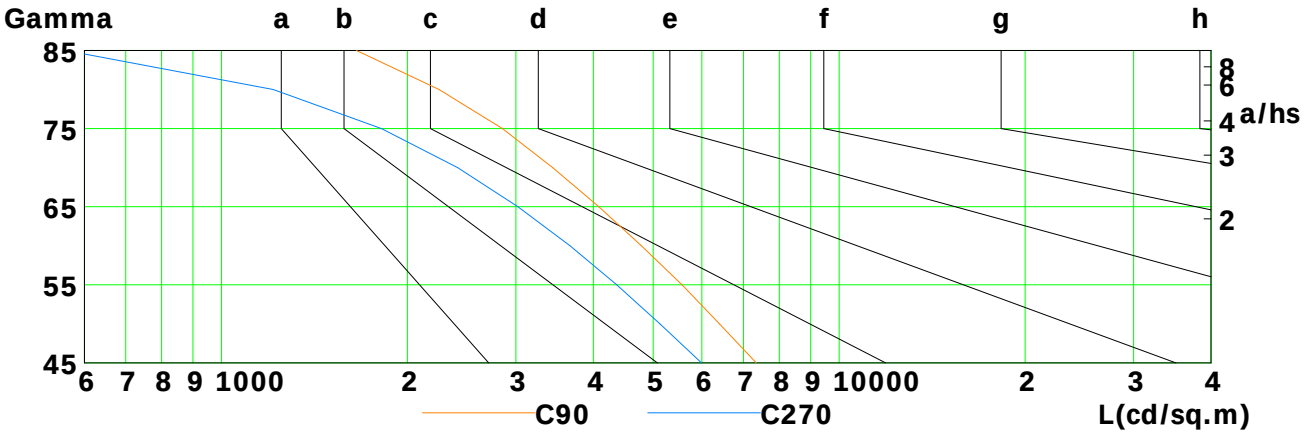
(10%): 1.0 lx	(20%): 1.9 lx
(25%): 2.4 lx	(30%): 2.9 lx
(40%): 3.8 lx	(50%): 4.8 lx
(60%): 5.7 lx	(70%): 6.7 lx
(80%): 7.6 lx	(90%): 8.6 lx

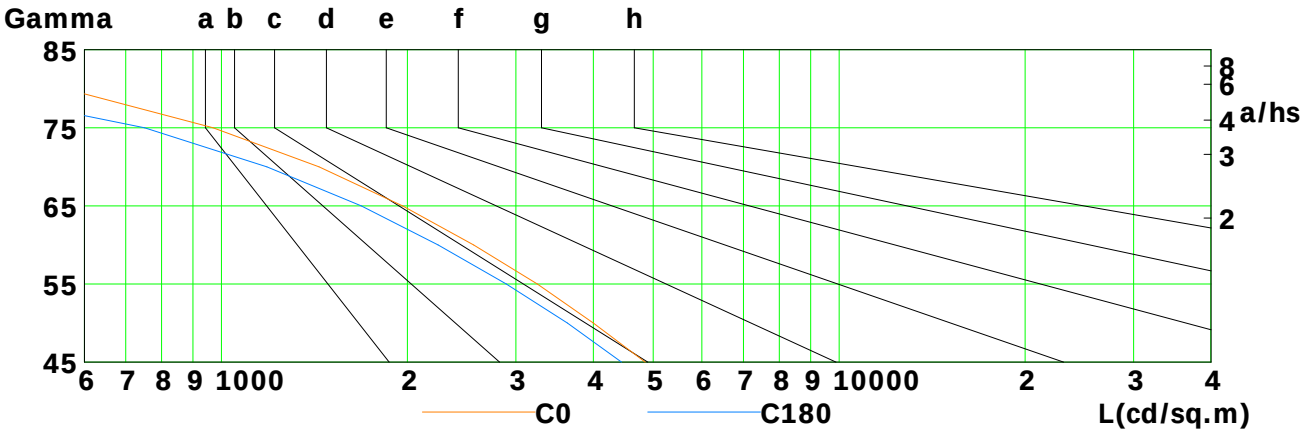
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

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



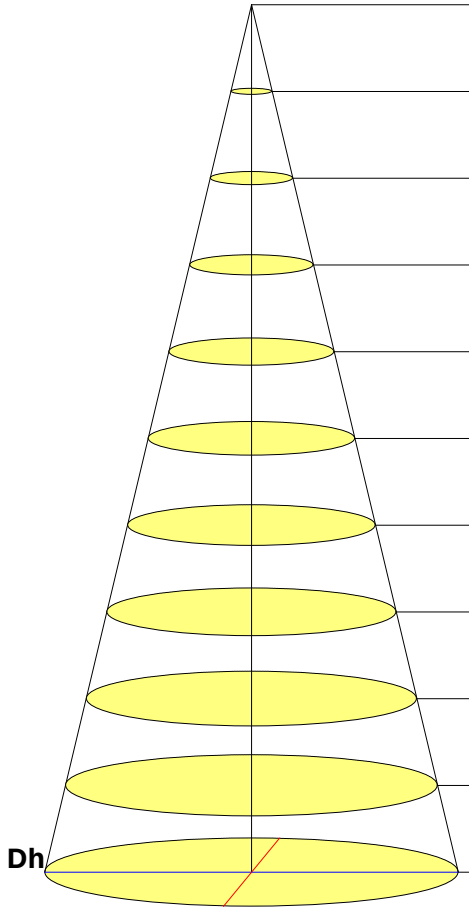


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4854	4003	3246	2562	1965	1440	969	560	221
C90	7346	6404	5570	4787	4085	3438	2852	2251	1655
C180	4447	3632	2894	2244	1685	1186	751	371	93
C270	5989	5131	4366	3670	3019	2412	1817	1213	561

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



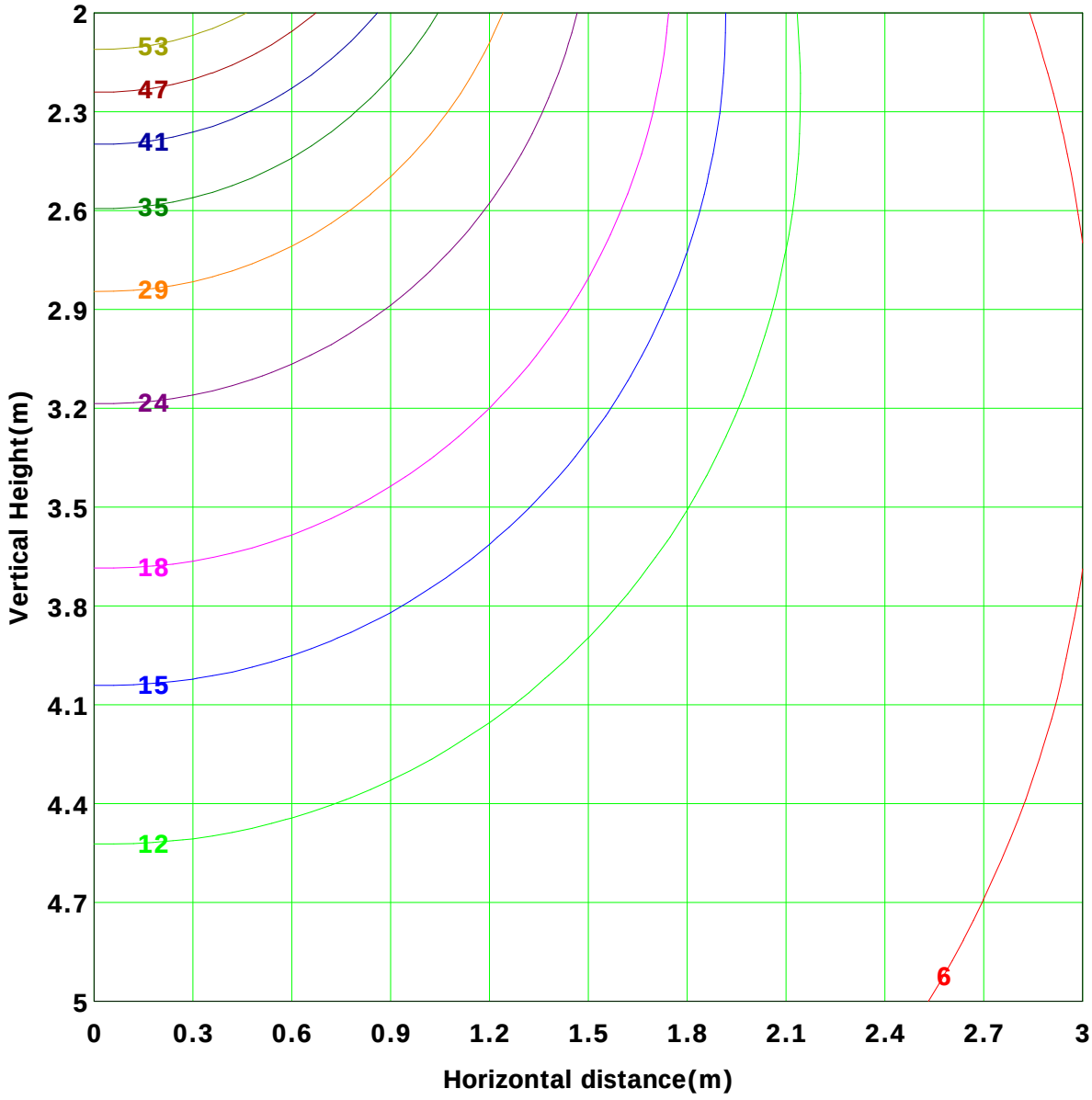
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	235.46	1.77/1.46	2.0	69.38
2.0	58.87	3.55/2.92	8.2	17.34
3.0	26.16	5.32/4.38	18.3	7.71
4.0	14.72	7.09/5.84	32.6	4.34
5.0	9.42	8.86/7.30	51.0	2.78
6.0	6.54	10.64/8.76	73.4	1.93
7.0	4.81	12.41/10.22	99.9	1.42
8.0	3.68	14.18/11.68	130.4	1.08
9.0	2.91	15.95/13.13	165.1	0.86
10.0	2.35	17.73/14.59	203.8	0.69

Beam Angle(B): H83.1 V72.2 Field Angle(F): H142.1 V134.7

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: 58.9 lx

(10%): 5.9 lx	(20%): 11.8 lx
(25%): 14.7 lx	(30%): 17.7 lx
(40%): 23.5 lx	(50%): 29.4 lx
(60%): 35.3 lx	(70%): 41.2 lx
(80%): 47.1 lx	(90%): 53.0 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

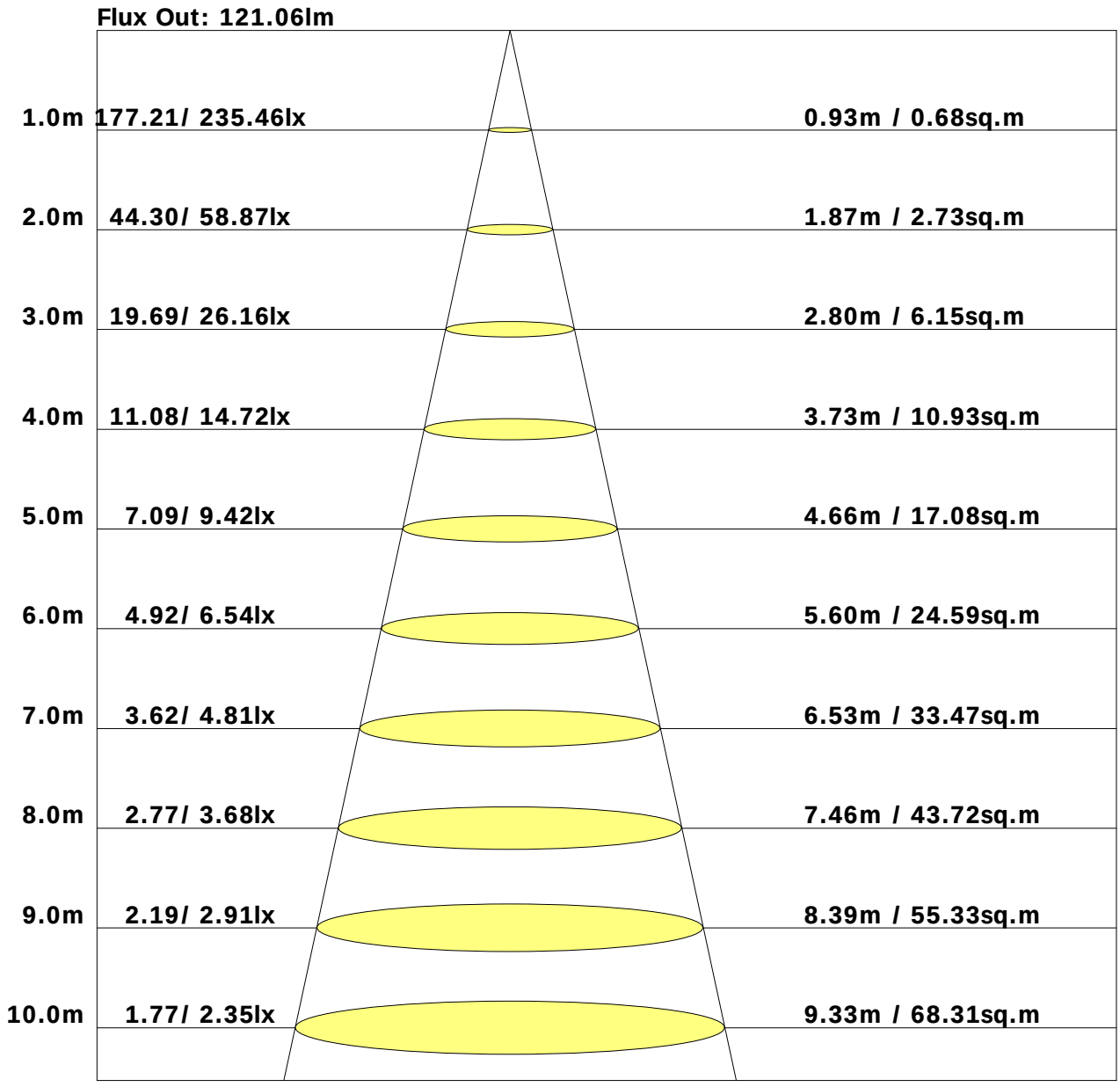
Unit: lm

Horizontal plane	Vertical plane																									Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	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	0.0	0.1	0.0					
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.1	0.0					
-70	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.0	0.0	0.0	4.4	2.9					
-60	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.0	1.1	1.1	1.0	0.8	0.7	0.5	0.3	0.1	0.0	0.0	10.3	9.1					
-50	0.0	0.0	0.1	0.3	0.6	0.9	1.2	1.6	1.9	2.1	2.1	1.9	1.5	1.2	0.8	0.5	0.2	0.1	0.0	19.0	17.8					
-40	0.0	0.0	0.2	0.5	0.8	1.3	1.9	2.5	3.1	3.4	3.4	3.1	2.3	1.9	1.3	0.7	0.3	0.1	0.0	29.8	28.6					
-30	0.0	0.0	0.2	0.6	1.1	1.7	2.6	3.5	4.3	4.9	4.8	4.3	3.1	2.6	1.7	0.8	0.4	0.1	0.0	40.8	39.6					
-20	0.0	0.0	0.3	0.7	1.3	2.1	3.1	4.3	5.4	6.1	5.9	4.9	3.7	3.1	2.1	0.9	0.4	0.1	0.0	49.9	48.7					
-10	0.0	0.1	0.3	0.7	1.4	2.3	3.4	4.7	6.0	6.8	6.5	5.4	4.1	3.4	2.3	1.0	0.5	0.1	0.0	55.0	53.7					
0	0.0	0.1	0.3	0.7	1.4	2.3	3.4	4.7	6.0	6.9	6.5	5.4	4.0	3.4	2.3	1.0	0.5	0.1	0.0	54.9	53.5					
10	0.0	0.0	0.3	0.7	1.3	2.1	3.1	4.3	5.4	6.2	5.8	4.8	3.7	3.1	2.1	0.9	0.4	0.1	0.0	49.7	48.4					
20	0.0	0.0	0.2	0.6	1.2	1.7	2.6	3.5	4.3	5.0	4.7	4.0	3.0	2.6	1.7	0.8	0.4	0.1	0.0	40.7	39.4					
30	0.0	0.0	0.2	0.5	0.8	1.3	1.9	2.5	3.1	3.6	3.4	2.9	2.2	1.9	1.3	0.6	0.3	0.1	0.0	29.8	28.6					
40	0.0	0.0	0.1	0.3	0.6	0.9	1.2	1.6	2.0	2.2	2.1	1.8	1.5	1.2	0.9	0.4	0.2	0.1	0.0	19.3	18.1					
50	0.0	0.0	0.1	0.2	0.4	0.6	0.7	0.9	1.1	1.2	1.1	1.0	0.8	0.7	0.5	0.3	0.1	0.0	0.0	10.7	9.5					
60	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0	4.8	3.5					
70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.4	0.1					
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	0.0	0.2	0.0					
90	0.4	2.5	6.2	11.4	18.3	26.7	36.0	44.7	50.8	52.3	48.7	41.1	31.7	22.5	14.7	8.6	4.1	1.2	0.0	422						
Flux(T)	0.0	0.0	2.2	10.1	17.6	26.3	35.7	44.4	50.5	52.1	48.4	40.8	31.3	22.0	13.9	6.1	0.0									
Flux(E)	0.0	0.0	2.2	10.1	17.6	26.3	35.7	44.4	50.5	52.1	48.4	40.8	31.3	22.0	13.9	6.1	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
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	19.5	20.9	19.9	21.2	21.6	17.4	18.8	17.8	19.2	19.5
3H	20.8	22.0	21.2	22.4	22.8	18.3	19.6	18.7	19.9	20.3
4H	21.2	22.4	21.6	22.7	23.2	18.5	19.7	19.0	20.1	20.5
6H	21.4	22.5	21.9	22.9	23.3	18.7	19.8	19.1	20.2	20.6
8H	21.5	22.5	21.9	22.9	23.4	18.7	19.7	19.1	20.1	20.6
12H	21.5	22.5	22.0	22.9	23.4	18.7	19.7	19.1	20.1	20.5
X=4H Y=2H	19.6	20.8	20.0	21.2	21.6	17.9	19.1	18.3	19.5	19.9
3H	21.0	22.0	21.4	22.4	22.8	19.0	20.0	19.4	20.4	20.8
4H	21.5	22.4	21.9	22.8	23.3	19.3	20.2	19.7	20.6	21.1
6H	21.8	22.6	22.3	23.0	23.5	19.5	20.2	20.0	20.7	21.2
8H	21.9	22.6	22.4	23.0	23.5	19.5	20.2	20.0	20.7	21.2
12H	21.9	22.5	22.4	23.0	23.5	19.5	20.1	20.0	20.6	21.1
X=8H Y=4H	21.5	22.2	21.9	22.6	23.1	19.5	20.2	20.0	20.7	21.1
6H	21.8	22.4	22.3	22.9	23.4	19.7	20.3	20.2	20.8	21.3
8H	21.9	22.4	22.4	22.9	23.5	19.7	20.3	20.3	20.8	21.3
12H	21.9	22.4	22.5	22.9	23.5	19.8	20.2	20.3	20.8	21.3
X=12H Y=4H	21.4	22.1	21.9	22.6	23.1	19.5	20.1	20.0	20.6	21.1
6H	21.8	22.3	22.3	22.8	23.3	19.7	20.2	20.3	20.7	21.3
8H	21.9	22.3	22.4	22.8	23.4	19.8	20.2	20.3	20.8	21.3

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 = 1.00				
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	0.86	0.91	0.95	1.00	1.03
	0.20		0.52	0.62	0.69	0.74	0.82	0.87	0.91	0.96	1.00
0.50	0.50	0.20	0.62	0.72	0.78	0.82	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	0.64	0.71	0.75	0.82	0.86	0.89	0.93	0.95
	0.20		0.51	0.60	0.67	0.72	0.79	0.83	0.86	0.91	0.93
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:20W 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	0.89	0.72	0.61	0.53	0.42	0.34	0.29	0.22	0.18
	0.30		0.74	0.62	0.53	0.47	0.38	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	0.17
0.50	0.50	0.20	0.85	0.69	0.58	0.50	0.39	0.36	0.28	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		0.63	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	0.50	0.43	0.34	0.29	0.24	0.19	0.16
	0.20		0.62	0.52	0.45	0.40	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:20W 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	0.20	0.20	0.21	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:20W 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	236.8	0.2	0.2	0.05	0.05
1.0-2.0	236.5	0.7	0.9	0.16	0.21
2.0-3.0	236.1	1.1	2.0	0.27	0.48
3.0-4.0	235.5	1.6	3.6	0.37	0.85
4.0-5.0	234.7	2.0	5.6	0.47	1.32
5.0-6.0	233.7	2.5	8.1	0.58	1.90
6.0-7.0	232.4	2.9	11.0	0.68	2.57
7.0-8.0	230.9	3.3	14.3	0.78	3.35
8.0-9.0	229.2	3.7	18.0	0.87	4.22
9.0-10.0	227.2	4.1	22.1	0.96	5.19
10.0-11.0	225.1	4.5	26.6	1.06	6.24
11.0-12.0	222.8	4.9	31.5	1.14	7.38
12.0-13.0	220.2	5.2	36.7	1.23	8.61
13.0-14.0	217.5	5.6	42.3	1.31	9.92
14.0-15.0	214.6	5.9	48.2	1.38	11.30
15.0-16.0	211.6	6.2	54.4	1.45	12.75
16.0-17.0	208.5	6.5	60.9	1.52	14.28
17.0-18.0	205.3	6.8	67.6	1.59	15.87
18.0-19.0	201.9	7.0	74.6	1.65	17.51
19.0-20.0	198.4	7.3	81.9	1.70	19.22
20.0-21.0	194.7	7.5	89.4	1.75	20.97
21.0-22.0	190.9	7.7	97.1	1.80	22.77
22.0-23.0	187.1	7.9	104.9	1.84	24.61
23.0-24.0	183.1	8.0	112.9	1.88	26.49
24.0-25.0	179.0	8.1	121.1	1.91	28.40
25.0-26.0	174.8	8.3	129.3	1.94	30.34
26.0-27.0	170.7	8.4	137.7	1.96	32.30
27.0-28.0	166.4	8.4	146.1	1.98	34.27
28.0-29.0	162.1	8.5	154.6	1.99	36.26
29.0-30.0	157.9	8.5	163.1	2.00	38.26
30.0-31.0	153.6	8.5	171.6	2.01	40.27
31.0-32.0	149.3	8.6	180.2	2.01	42.28
32.0-33.0	145.0	8.5	188.7	2.00	44.28
33.0-34.0	140.7	8.5	197.3	2.00	46.28
34.0-35.0	136.4	8.5	205.7	1.99	48.27
35.0-36.0	132.1	8.4	214.1	1.97	50.24

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	127.9	8.3	222.5	1.96	52.20
37.0-38.0	123.5	8.2	230.7	1.93	54.13
38.0-39.0	119.3	8.1	238.9	1.91	56.04
39.0-40.0	115.1	8.0	246.9	1.88	57.92
40.0-41.0	110.9	7.9	254.8	1.85	59.78
41.0-42.0	106.7	7.8	262.6	1.82	61.60
42.0-43.0	102.7	7.6	270.2	1.79	63.38
43.0-44.0	98.7	7.5	277.6	1.75	65.13
44.0-45.0	94.8	7.3	284.9	1.71	66.84
45.0-46.0	90.9	7.1	292.0	1.67	68.51
46.0-47.0	87.2	6.9	298.9	1.63	70.13
47.0-48.0	83.5	6.7	305.7	1.58	71.72
48.0-49.0	79.9	6.6	312.3	1.54	73.26
49.0-50.0	76.4	6.4	318.6	1.49	74.75
50.0-51.0	72.9	6.2	324.8	1.45	76.20
51.0-52.0	69.5	6.0	330.8	1.40	77.60
52.0-53.0	66.3	5.8	336.5	1.35	78.95
53.0-54.0	63.1	5.6	342.1	1.30	80.25
54.0-55.0	60.0	5.4	347.4	1.26	81.51
55.0-56.0	57.0	5.1	352.6	1.21	82.72
56.0-57.0	54.0	4.9	357.5	1.16	83.88
57.0-58.0	51.1	4.7	362.3	1.11	84.99
58.0-59.0	48.4	4.5	366.8	1.06	86.05
59.0-60.0	45.7	4.3	371.1	1.01	87.06
60.0-61.0	43.1	4.1	375.2	0.96	88.03
61.0-62.0	40.6	3.9	379.1	0.92	88.94
62.0-63.0	38.1	3.7	382.8	0.87	89.81
63.0-64.0	35.8	3.5	386.3	0.82	90.64
64.0-65.0	33.5	3.3	389.7	0.78	91.42
65.0-66.0	31.3	3.1	392.8	0.73	92.15
66.0-67.0	29.2	2.9	395.7	0.69	92.84
67.0-68.0	27.1	2.7	398.5	0.64	93.48
68.0-69.0	25.1	2.6	401.0	0.60	94.08
69.0-70.0	23.2	2.4	403.4	0.56	94.64
70.0-71.0	21.4	2.2	405.6	0.52	95.16
71.0-72.0	19.7	2.0	407.7	0.48	95.64

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	18.0	1.9	409.5	0.44	96.08
73.0-74.0	16.3	1.7	411.3	0.40	96.49
74.0-75.0	14.8	1.6	412.8	0.37	96.85
75.0-76.0	13.3	1.4	414.2	0.33	97.18
76.0-77.0	11.8	1.3	415.5	0.30	97.48
77.0-78.0	10.5	1.1	416.6	0.26	97.74
78.0-79.0	9.2	1.0	417.6	0.23	97.97
79.0-80.0	8.0	0.9	418.5	0.20	98.17
80.0-81.0	6.8	0.7	419.2	0.17	98.35
81.0-82.0	5.8	0.6	419.8	0.15	98.50
82.0-83.0	4.8	0.5	420.4	0.12	98.62
83.0-84.0	3.9	0.4	420.8	0.10	98.72
84.0-85.0	3.1	0.3	421.1	0.08	98.80
85.0-86.0	2.3	0.3	421.4	0.06	98.86
86.0-87.0	1.7	0.2	421.6	0.04	98.90
87.0-88.0	1.2	0.1	421.7	0.03	98.93
88.0-89.0	0.8	0.1	421.8	0.02	98.95
89.0-90.0	0.5	0.1	421.8	0.01	98.96
90.0-91.0	0.3	0.0	421.9	0.01	98.97
91.0-92.0	0.2	0.0	421.9	0.01	98.98
92.0-93.0	0.2	0.0	421.9	0.00	98.98
93.0-94.0	0.1	0.0	421.9	0.00	98.98
94.0-95.0	0.1	0.0	421.9	0.00	98.99
95.0-96.0	0.2	0.0	421.9	0.00	98.99
96.0-97.0	0.2	0.0	422.0	0.00	99.00
97.0-98.0	0.2	0.0	422.0	0.00	99.00
98.0-99.0	0.2	0.0	422.0	0.00	99.01
99.0-100.0	0.2	0.0	422.0	0.01	99.01
100.0-101.0	0.2	0.0	422.1	0.01	99.02
101.0-102.0	0.2	0.0	422.1	0.01	99.02
102.0-103.0	0.2	0.0	422.1	0.01	99.03
103.0-104.0	0.3	0.0	422.1	0.01	99.03
104.0-105.0	0.3	0.0	422.2	0.01	99.04
105.0-106.0	0.3	0.0	422.2	0.01	99.05
106.0-107.0	0.3	0.0	422.2	0.01	99.06
107.0-108.0	0.3	0.0	422.3	0.01	99.06

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	0.3	0.0	422.3	0.01	99.07
109.0-110.0	0.4	0.0	422.3	0.01	99.08
110.0-111.0	0.4	0.0	422.4	0.01	99.09
111.0-112.0	0.4	0.0	422.4	0.01	99.10
112.0-113.0	0.4	0.0	422.5	0.01	99.11
113.0-114.0	0.5	0.0	422.5	0.01	99.12
114.0-115.0	0.5	0.0	422.5	0.01	99.13
115.0-116.0	0.5	0.0	422.6	0.01	99.14
116.0-117.0	0.5	0.1	422.6	0.01	99.16
117.0-118.0	0.5	0.1	422.7	0.01	99.17
118.0-119.0	0.6	0.1	422.8	0.01	99.18
119.0-120.0	0.6	0.1	422.8	0.01	99.19
120.0-121.0	0.6	0.1	422.9	0.01	99.21
121.0-122.0	0.6	0.1	422.9	0.01	99.22
122.0-123.0	0.6	0.1	423.0	0.01	99.23
123.0-124.0	0.7	0.1	423.0	0.01	99.25
124.0-125.0	0.7	0.1	423.1	0.01	99.26
125.0-126.0	0.7	0.1	423.2	0.01	99.28
126.0-127.0	0.7	0.1	423.2	0.02	99.29
127.0-128.0	0.8	0.1	423.3	0.02	99.31
128.0-129.0	0.8	0.1	423.4	0.02	99.32
129.0-130.0	0.8	0.1	423.4	0.02	99.34
130.0-131.0	0.9	0.1	423.5	0.02	99.36
131.0-132.0	0.9	0.1	423.6	0.02	99.37
132.0-133.0	0.9	0.1	423.7	0.02	99.39
133.0-134.0	0.9	0.1	423.7	0.02	99.41
134.0-135.0	1.0	0.1	423.8	0.02	99.43
135.0-136.0	1.0	0.1	423.9	0.02	99.44
136.0-137.0	1.0	0.1	424.0	0.02	99.46
137.0-138.0	1.0	0.1	424.0	0.02	99.48
138.0-139.0	1.1	0.1	424.1	0.02	99.50
139.0-140.0	1.1	0.1	424.2	0.02	99.52
140.0-141.0	1.1	0.1	424.3	0.02	99.53
141.0-142.0	1.1	0.1	424.3	0.02	99.55
142.0-143.0	1.2	0.1	424.4	0.02	99.57
143.0-144.0	1.2	0.1	424.5	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	1.2	0.1	424.6	0.02	99.61
145.0-146.0	1.2	0.1	424.6	0.02	99.62
146.0-147.0	1.3	0.1	424.7	0.02	99.64
147.0-148.0	1.3	0.1	424.8	0.02	99.66
148.0-149.0	1.3	0.1	424.9	0.02	99.68
149.0-150.0	1.3	0.1	424.9	0.02	99.70
150.0-151.0	1.4	0.1	425.0	0.02	99.71
151.0-152.0	1.4	0.1	425.1	0.02	99.73
152.0-153.0	1.4	0.1	425.2	0.02	99.75
153.0-154.0	1.4	0.1	425.2	0.02	99.76
154.0-155.0	1.5	0.1	425.3	0.02	99.78
155.0-156.0	1.5	0.1	425.4	0.02	99.79
156.0-157.0	1.5	0.1	425.4	0.02	99.81
157.0-158.0	1.5	0.1	425.5	0.01	99.82
158.0-159.0	1.5	0.1	425.6	0.01	99.84
159.0-160.0	1.5	0.1	425.6	0.01	99.85
160.0-161.0	1.5	0.1	425.7	0.01	99.87
161.0-162.0	1.6	0.1	425.7	0.01	99.88
162.0-163.0	1.6	0.1	425.8	0.01	99.89
163.0-164.0	1.6	0.1	425.8	0.01	99.90
164.0-165.0	1.6	0.0	425.9	0.01	99.91
165.0-166.0	1.6	0.0	425.9	0.01	99.92
166.0-167.0	1.6	0.0	426.0	0.01	99.93
167.0-168.0	1.7	0.0	426.0	0.01	99.94
168.0-169.0	1.7	0.0	426.0	0.01	99.95
169.0-170.0	1.7	0.0	426.1	0.01	99.96
170.0-171.0	1.7	0.0	426.1	0.01	99.97
171.0-172.0	1.8	0.0	426.1	0.01	99.97
172.0-173.0	1.8	0.0	426.2	0.01	99.98
173.0-174.0	1.8	0.0	426.2	0.01	99.99
174.0-175.0	1.8	0.0	426.2	0.00	99.99
175.0-176.0	1.8	0.0	426.2	0.00	99.99
176.0-177.0	1.8	0.0	426.2	0.00	100.00
177.0-178.0	1.8	0.0	426.2	0.00	100.00
178.0-179.0	1.8	0.0	426.2	0.00	100.00
179.0-180.0	1.8	0.0	426.2	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: