GENLED Brands
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Report No.: **Test Time: 2023/9/14 18:05**

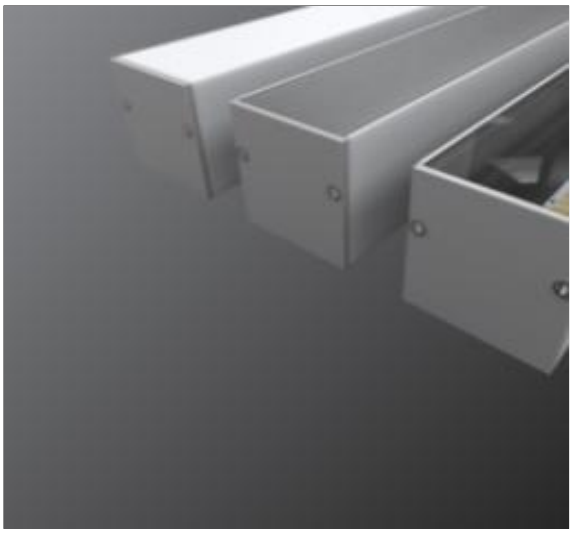
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHWH35FRB90SWS2203.030
Luminous Length (mm): 500 **Luminous Width (mm): 37.5**
Luminous Height (mm): 35 **Voltage: 24.0 V**
Current: 0.205 A **Power: 4.95 W**
Power Factor: 1.000

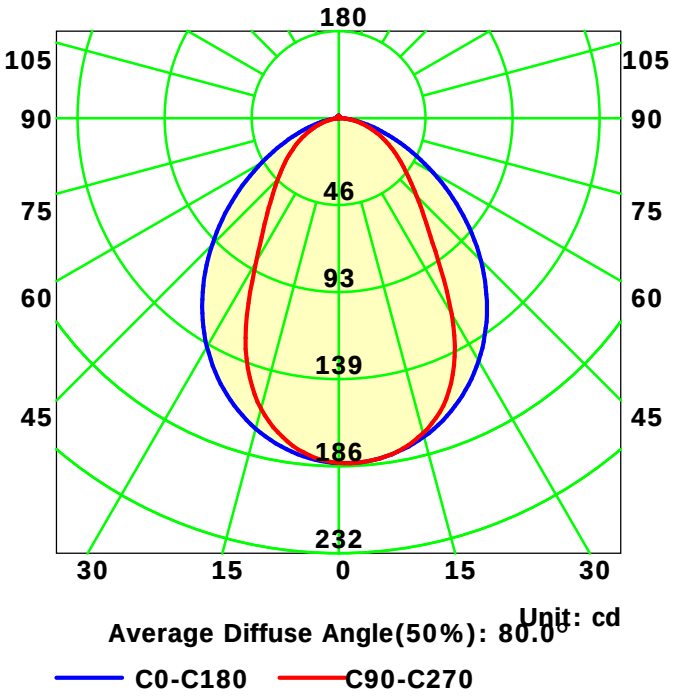
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 344.0 lm**
Measurement Flux: 344 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H147.8,H95.8
Vertical Diffuse Angle(10%,50%): V136.7,V64.3
Luminaire Efficacy Rating (LER): 69 **Central Intensity: 184.45 cd**
Max. Intensity: 184.68 cd **Pos of Max. Intensity: H90 V2**

Picture Of Luminaire

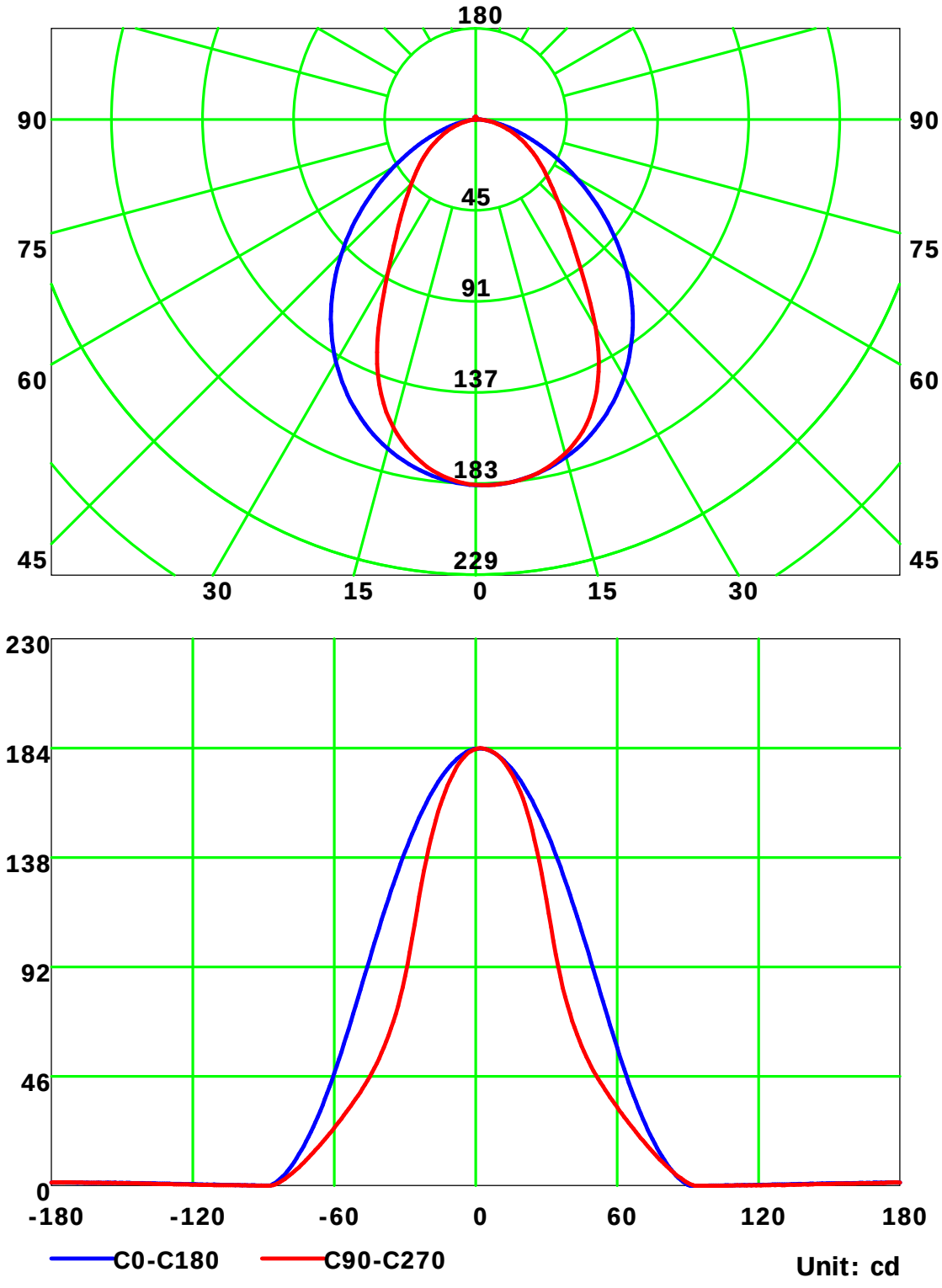


Luminous Intensity Distribution Curve



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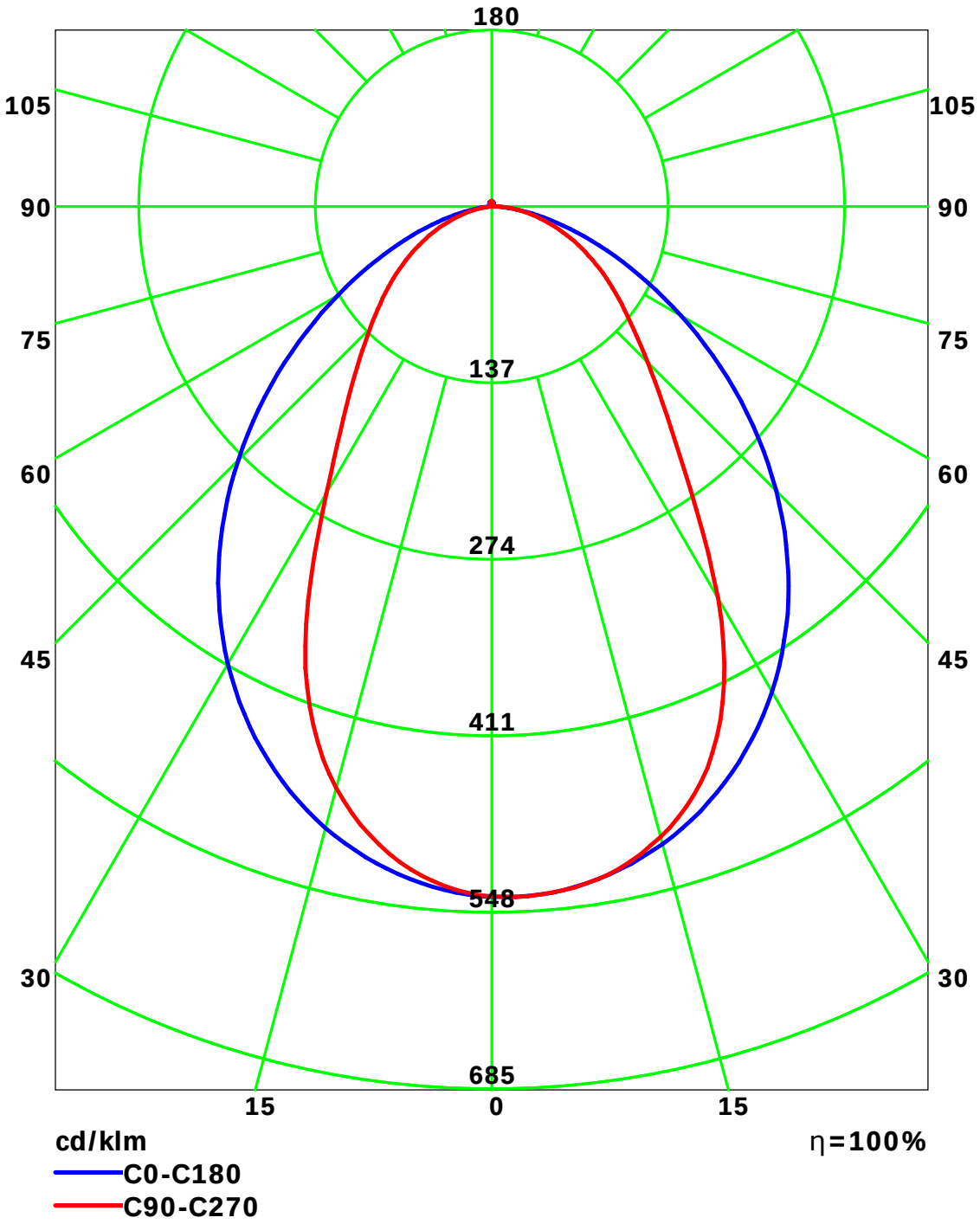
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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

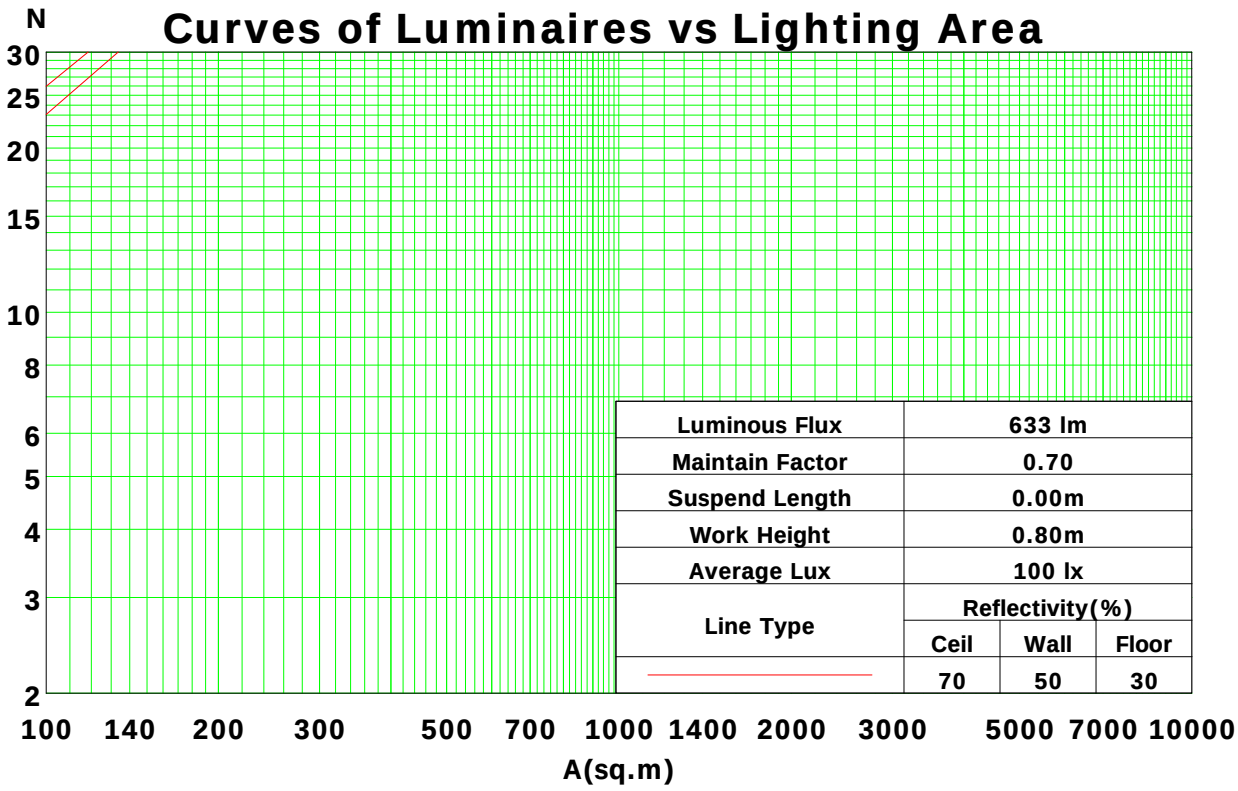
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	102	94	89	84	99	93	87	83	89	84	80	86	82	79	82	79	77	75
3	94	85	77	72	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	85	75	68	62	72	66	61	70	64	60	68	63	59	57
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	52	47	45
7	70	58	50	44	68	57	49	44	55	48	44	54	48	43	52	47	43	41
8	66	53	45	40	64	52	45	40	51	44	40	50	44	39	49	43	39	37
9	62	49	42	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31

Spacing Criteria (0-180): 1.18
Spacing Criteria (90-270): 0.97
Spacing Criteria (Diagonal): 1.11

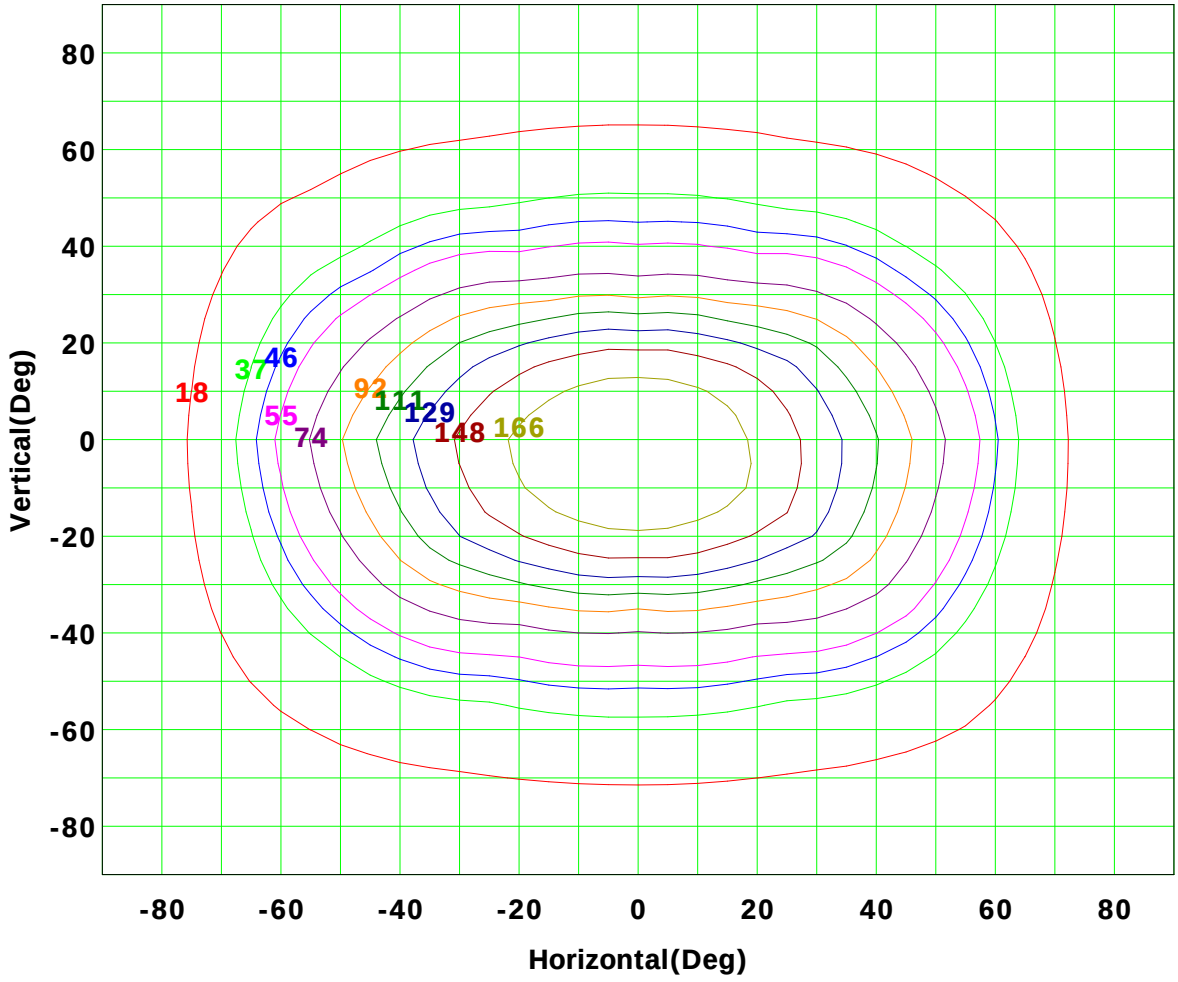
Curves of Luminaires vs Lighting Area



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)



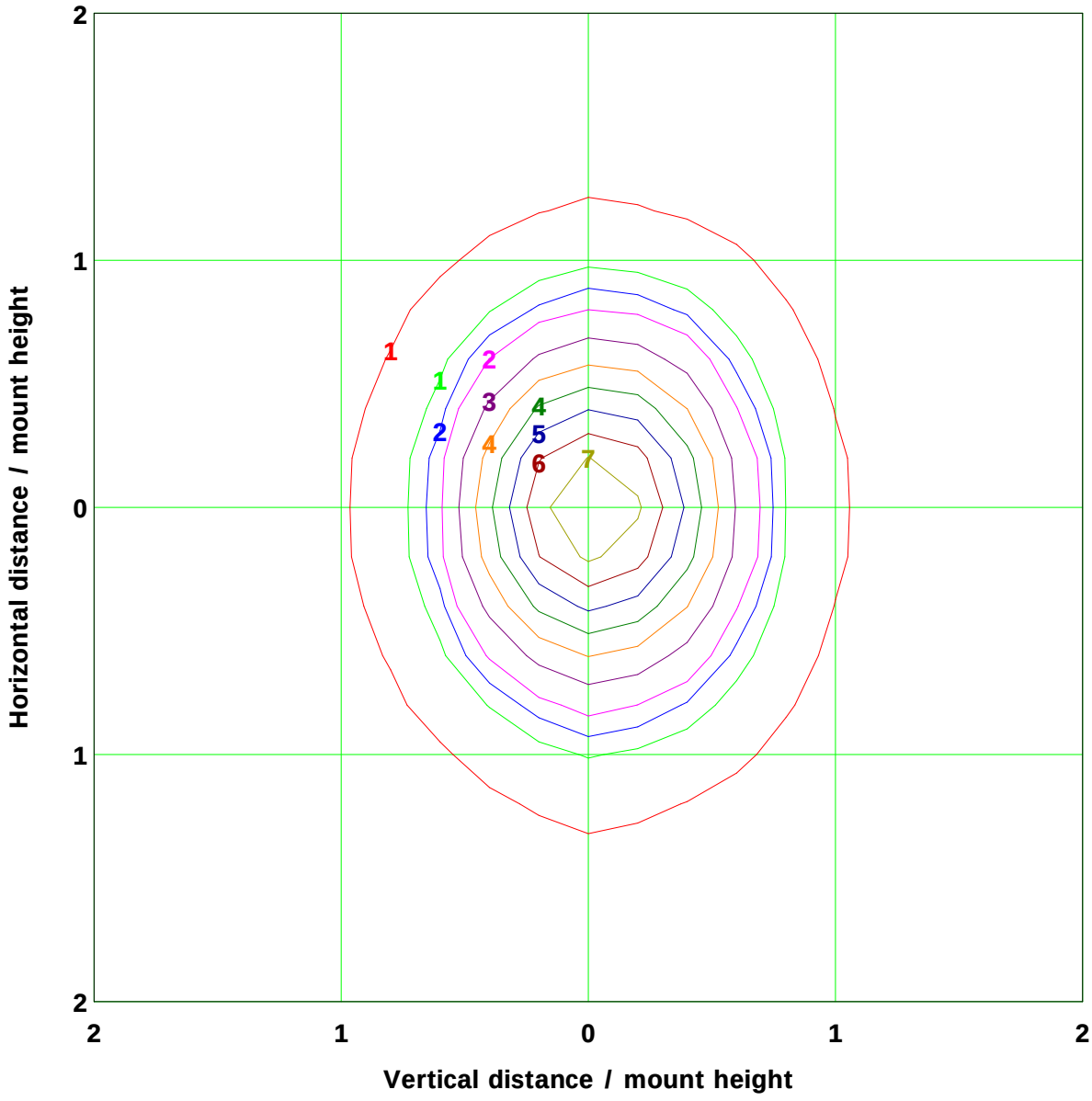
Imax (100%): 185 cd

(10%):	18 cd	(20%):	37 cd
(25%):	46 cd	(30%):	55 cd
(40%):	74 cd	(50%):	92 cd
(60%):	111 cd	(70%):	129 cd
(80%):	148 cd	(90%):	166 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%): 7.4 lx

(10%): 0.7 lx	(20%): 1.5 lx
(25%): 1.8 lx	(30%): 2.2 lx
(40%): 3.0 lx	(50%): 3.7 lx
(60%): 4.4 lx	(70%): 5.2 lx
(80%): 5.9 lx	(90%): 6.6 lx

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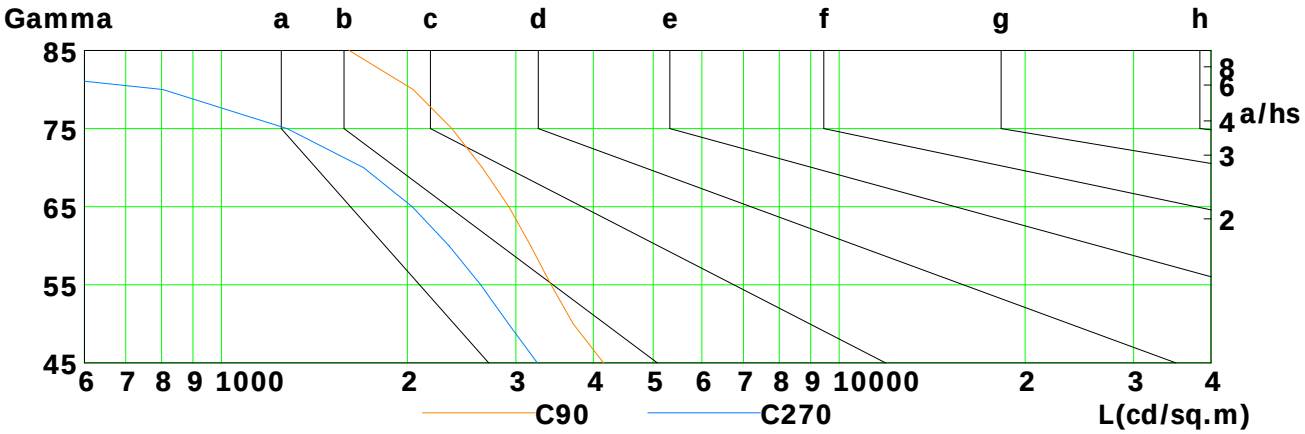
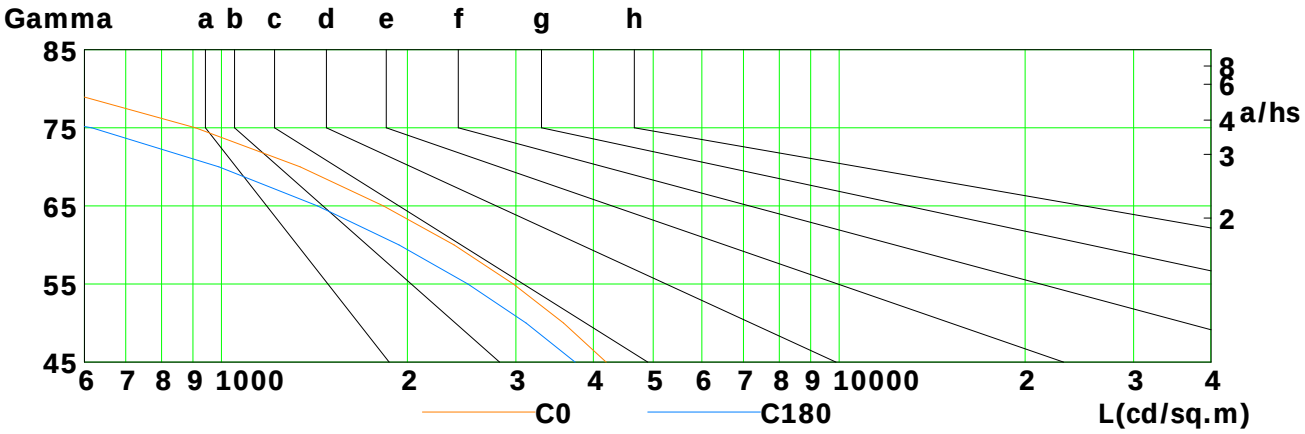
Operator: Nick

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



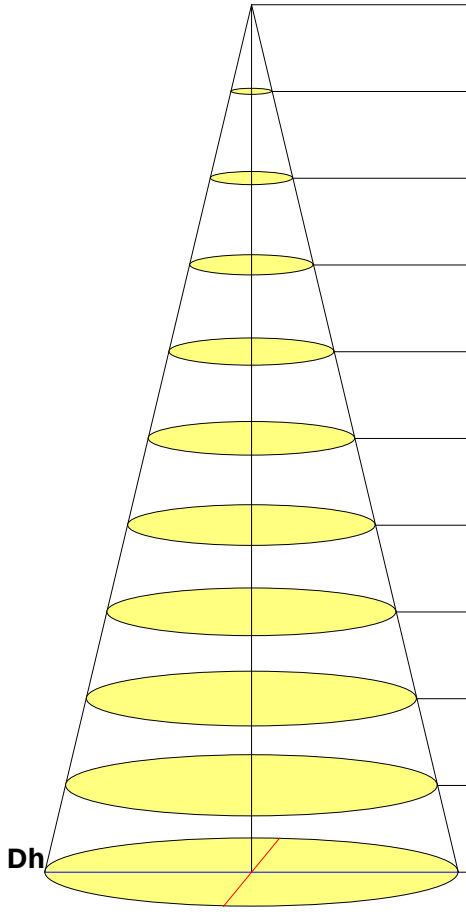


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4195	3582	2971	2383	1831	1341	909	537	229
C90	4158	3713	3419	3168	2920	2644	2361	2045	1611
C180	3737	3116	2508	1939	1431	991	617	299	70
C270	3247	2917	2631	2336	2038	1699	1278	805	207

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



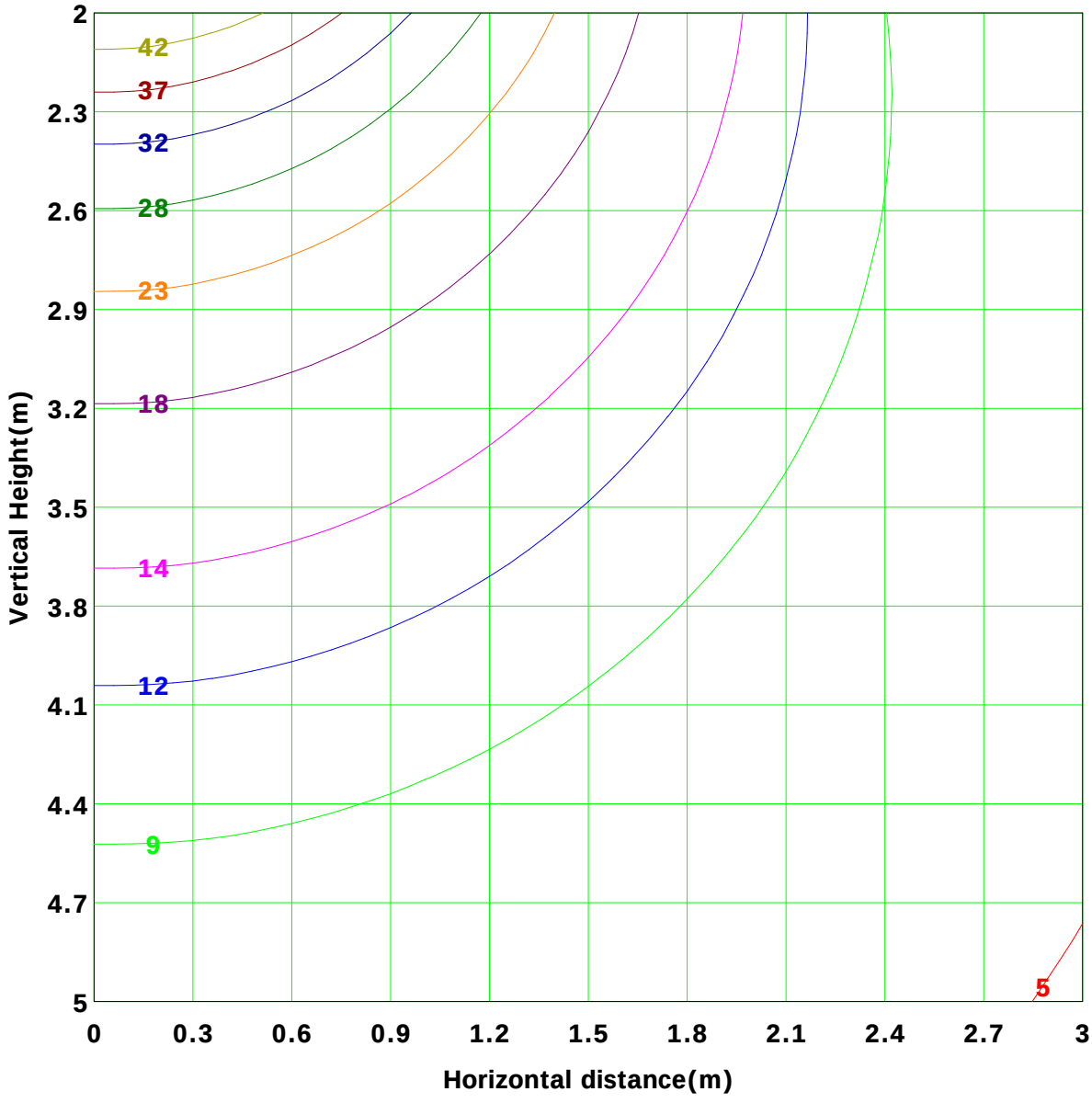
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	184.45	2.21/1.26	2.3	50.87
2.0	46.11	4.42/2.52	9.0	12.72
3.0	20.49	6.63/3.77	20.3	5.65
4.0	11.53	8.85/5.03	36.1	3.18
5.0	7.38	11.06/6.29	56.5	2.03
6.0	5.12	13.27/7.55	81.3	1.41
7.0	3.76	15.48/8.80	110.7	1.04
8.0	2.88	17.69/10.06	144.6	0.79
9.0	2.28	19.90/11.32	183.0	0.63
10.0	1.84	22.12/12.58	225.9	0.51

Beam Angle(B): H95.8 V64.3 Field Angle(F): H147.8 V136.7

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: 46.1 lx

(10%): 4.6 lx	(20%): 9.2 lx
(25%): 11.5 lx	(30%): 13.8 lx
(40%): 18.4 lx	(50%): 23.1 lx
(60%): 27.7 lx	(70%): 32.3 lx
(80%): 36.9 lx	(90%): 41.5 lx

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

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

Area Flux Table

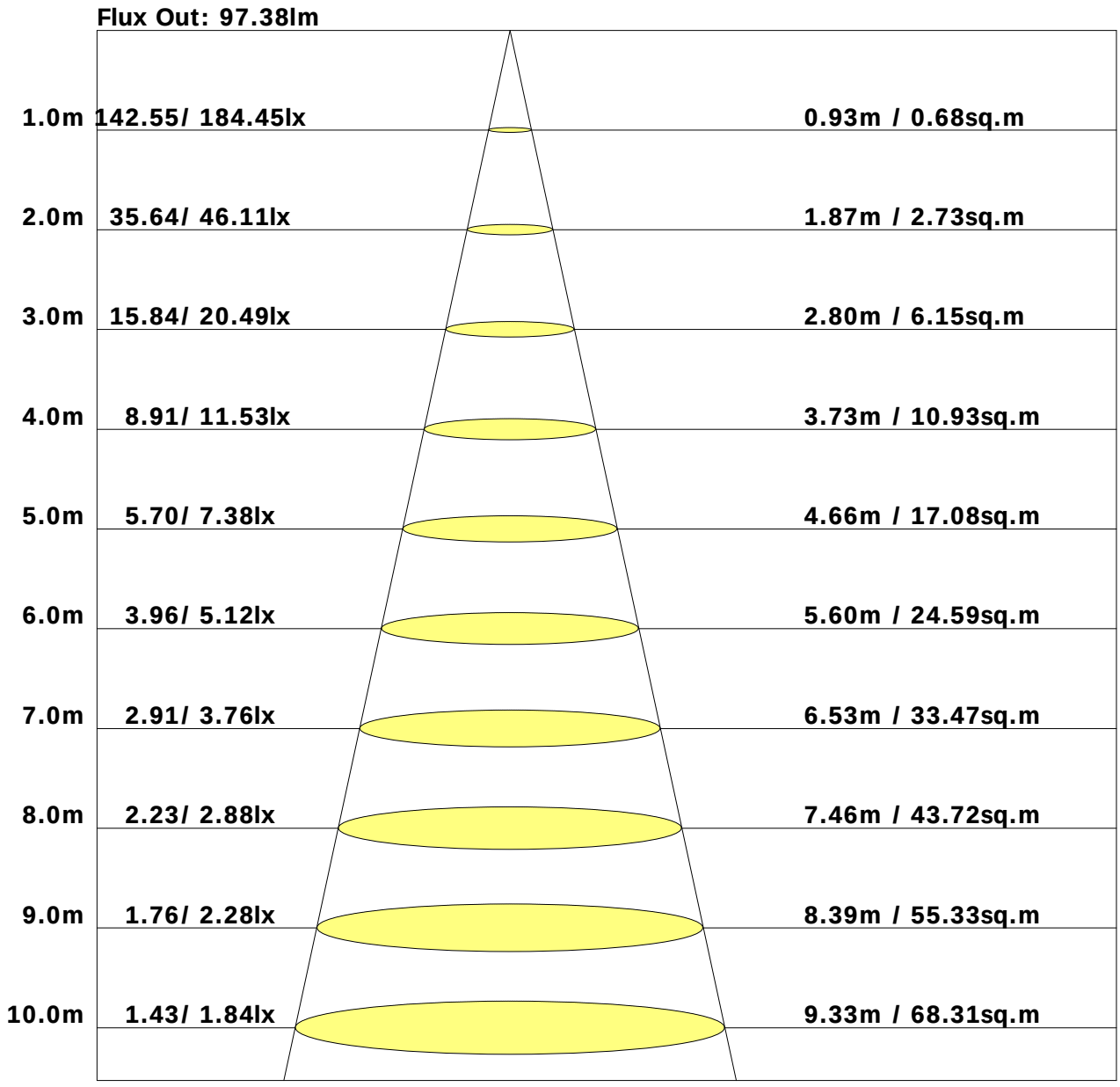
Unit: lm

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)
Horizontal plane																					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-80	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	0.0	1.1	0.1
-70	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0	4.0	3.0
-60	0.0	0.0	0.1	0.1	0.3	0.4	0.6	0.7	0.9	1.1	1.0	0.9	0.7	0.5	0.4	0.2	0.1	0.0	0.0	9.2	8.2
-50	0.0	0.0	0.1	0.3	0.4	0.7	1.0	1.3	1.7	2.0	1.9	1.6	1.3	0.9	0.6	0.4	0.2	0.1	0.0	16.4	15.4
-40	0.0	0.0	0.1	0.4	0.6	0.9	1.4	2.1	2.7	3.2	3.0	2.5	1.8	1.3	0.8	0.5	0.3	0.1	0.0	24.8	23.8
-30	0.0	0.0	0.2	0.4	0.7	1.1	1.8	2.7	3.6	4.2	4.1	3.3	2.3	1.8	1.0	0.6	0.3	0.1	0.0	32.2	31.2
-20	0.0	0.0	0.2	0.5	0.9	1.3	2.0	3.2	4.4	5.1	4.9	4.0	2.7	2.2	1.1	0.7	0.4	0.1	0.0	38.1	37.1
-10	0.0	0.0	0.2	0.6	1.0	1.4	2.2	3.5	4.8	5.5	5.4	4.4	2.9	2.2	1.2	0.8	0.4	0.1	0.0	41.5	40.5
0	0.0	0.0	0.2	0.6	1.0	1.4	2.2	3.6	4.8	5.5	5.4	4.4	2.9	2.2	1.2	0.8	0.4	0.1	0.0	41.7	40.6
10	0.0	0.0	0.2	0.5	0.9	1.3	2.0	3.3	4.4	5.1	5.0	4.0	2.7	2.0	1.2	0.7	0.4	0.1	0.0	38.5	37.5
20	0.0	0.0	0.2	0.4	0.8	1.2	1.8	2.8	3.7	4.4	4.2	3.4	2.3	1.7	1.0	0.6	0.4	0.1	0.0	32.9	31.9
30	0.0	0.0	0.1	0.4	0.6	1.0	1.5	2.1	2.8	3.4	3.3	2.6	1.9	1.3	0.8	0.5	0.3	0.1	0.0	25.7	24.8
40	0.0	0.0	0.1	0.3	0.5	0.7	1.0	1.4	1.8	2.3	2.2	1.7	1.3	0.9	0.6	0.4	0.2	0.1	0.0	17.5	16.5
50	0.0	0.0	0.1	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.2	1.1	0.8	0.6	0.4	0.3	0.1	0.1	0.0	10.2	9.4
60	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.0	4.9	4.0
70	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	1.5	0.6
80	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	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0
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	340	0.0
Flux(T)	0.3	2.0	4.8	8.2	12.5	18.7	28.5	37.8	43.1	44.3	41.6	34.8	24.4	16.2	11.0	7.1	3.9	1.3	0.0		325
Flux(E)	0.0	0.0	1.5	7.2	12.0	18.5	28.3	37.7	43.0	44.2	41.4	34.6	24.2	15.9	10.5	5.7	0.2	0.0		325	

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	20.0	21.4	20.4	21.8	22.1	16.0	17.5	16.4	17.8	18.1
3H	21.5	22.8	21.9	23.1	23.5	17.3	18.6	17.7	18.9	19.3
4H	22.0	23.2	22.4	23.5	23.9	17.7	18.9	18.1	19.3	19.7
6H	22.3	23.4	22.7	23.8	24.2	17.9	19.0	18.4	19.4	19.9
8H	22.4	23.4	22.8	23.8	24.3	18.0	19.0	18.4	19.5	19.9
12H	22.4	23.4	22.9	23.8	24.3	18.0	19.0	18.5	19.4	19.9
X=4H Y=2H	20.0	21.2	20.5	21.6	22.0	16.7	17.9	17.2	18.3	18.7
3H	21.6	22.6	22.0	23.0	23.5	18.1	19.1	18.5	19.5	19.9
4H	22.2	23.1	22.6	23.5	24.0	18.6	19.5	19.0	19.9	20.4
6H	22.6	23.3	23.0	23.8	24.3	18.9	19.7	19.4	20.2	20.6
8H	22.7	23.4	23.2	23.9	24.4	19.0	19.7	19.5	20.2	20.7
12H	22.7	23.4	23.2	23.9	24.4	19.0	19.7	19.5	20.2	20.7
X=8H Y=4H	22.1	22.9	22.6	23.3	23.8	18.8	19.6	19.3	20.0	20.5
6H	22.5	23.2	23.1	23.7	24.2	19.2	19.8	19.8	20.4	20.9
8H	22.7	23.2	23.2	23.8	24.3	19.4	19.9	19.9	20.4	20.9
12H	22.8	23.2	23.3	23.8	24.4	19.5	19.9	20.0	20.4	21.0
X=12H Y=4H	22.1	22.8	22.6	23.3	23.8	18.9	19.5	19.4	20.0	20.5
6H	22.5	23.1	23.1	23.6	24.1	19.3	19.8	19.8	20.3	20.9
8H	22.7	23.1	23.2	23.7	24.2	19.4	19.9	20.0	20.4	21.0

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	0.73	0.80	0.85	0.91	0.96	0.99	1.03	1.05
	0.30		0.57	0.67	0.73	0.79	0.86	0.91	0.95	0.99	1.02
	0.20		0.51	0.61	0.68	0.74	0.82	0.87	0.91	0.96	1.00
0.50	0.50	0.20	0.62	0.71	0.78	0.82	0.88	0.92	0.95	0.99	1.01
	0.30		0.56	0.65	0.72	0.77	0.84	0.88	0.91	0.96	0.98
	0.20		0.51	0.61	0.68	0.73	0.80	0.85	0.88	0.93	0.96
0.30	0.50	0.20	0.61	0.69	0.75	0.79	0.85	0.89	0.92	0.95	0.97
	0.30		0.55	0.64	0.70	0.75	0.81	0.86	0.89	0.93	0.95
	0.20		0.51	0.60	0.67	0.71	0.78	0.83	0.86	0.90	0.93
0.00	0.00	0.00	0.49	0.58	0.64	0.68	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 = 1.00								
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	0.73	0.61	0.53	0.42	0.35	0.30	0.23	0.19
	0.30		0.74	0.62	0.53	0.47	0.38	0.32	0.27	0.21	0.18
	0.20		0.64	0.54	0.47	0.42	0.35	0.29	0.25	0.20	0.17
0.50	0.50	0.20	0.85	0.69	0.58	0.51	0.40	0.36	0.28	0.21	0.17
	0.30		0.72	0.60	0.52	0.45	0.36	0.30	0.26	0.20	0.17
	0.20		0.63	0.53	0.46	0.41	0.34	0.28	0.25	0.19	0.16
0.30	0.50	0.20	0.83	0.66	0.56	0.48	0.38	0.31	0.26	0.20	0.17
	0.30		0.71	0.58	0.50	0.44	0.35	0.29	0.25	0.19	0.16
	0.20		0.62	0.52	0.45	0.40	0.32	0.27	0.24	0.18	0.15
0.00	0.00	0.00	0.51	0.42	0.35	0.31	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 = 1.00								
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: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	184.4	0.2	0.2	0.05	0.05
1.0-2.0	184.3	0.5	0.7	0.15	0.21
2.0-3.0	184.0	0.9	1.6	0.26	0.46
3.0-4.0	183.7	1.2	2.8	0.36	0.82
4.0-5.0	183.2	1.6	4.4	0.46	1.28
5.0-6.0	182.6	1.9	6.3	0.56	1.83
6.0-7.0	181.9	2.3	8.6	0.66	2.49
7.0-8.0	181.1	2.6	11.2	0.75	3.24
8.0-9.0	180.1	2.9	14.1	0.85	4.09
9.0-10.0	179.0	3.2	17.3	0.94	5.04
10.0-11.0	177.8	3.6	20.9	1.03	6.07
11.0-12.0	176.5	3.9	24.7	1.12	7.19
12.0-13.0	175.1	4.2	28.9	1.21	8.40
13.0-14.0	173.5	4.4	33.3	1.29	9.69
14.0-15.0	171.8	4.7	38.0	1.37	11.06
15.0-16.0	170.0	5.0	43.0	1.45	12.51
16.0-17.0	168.1	5.2	48.3	1.52	14.03
17.0-18.0	166.0	5.5	53.7	1.59	15.62
18.0-19.0	163.7	5.7	59.4	1.66	17.28
19.0-20.0	161.3	5.9	65.3	1.72	19.00
20.0-21.0	158.8	6.1	71.4	1.77	20.77
21.0-22.0	156.0	6.3	77.7	1.82	22.59
22.0-23.0	153.1	6.4	84.1	1.87	24.46
23.0-24.0	150.1	6.6	90.7	1.91	26.37
24.0-25.0	146.8	6.7	97.4	1.94	28.31
25.0-26.0	143.4	6.8	104.1	1.97	30.28
26.0-27.0	139.9	6.8	111.0	1.99	32.27
27.0-28.0	136.2	6.9	117.9	2.00	34.27
28.0-29.0	132.4	6.9	124.8	2.01	36.28
29.0-30.0	128.5	6.9	131.8	2.02	38.30
30.0-31.0	124.6	6.9	138.7	2.02	40.32
31.0-32.0	120.6	6.9	145.6	2.01	42.33
32.0-33.0	116.6	6.9	152.5	2.00	44.32
33.0-34.0	112.6	6.8	159.3	1.98	46.31
34.0-35.0	108.7	6.8	166.0	1.96	48.27
35.0-36.0	104.9	6.7	172.7	1.94	50.21

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	101.2	6.6	179.3	1.92	52.13
37.0-38.0	97.5	6.5	185.8	1.89	54.02
38.0-39.0	93.9	6.4	192.2	1.86	55.89
39.0-40.0	90.4	6.3	198.5	1.83	57.72
40.0-41.0	87.0	6.2	204.7	1.80	59.52
41.0-42.0	83.7	6.1	210.8	1.77	61.29
42.0-43.0	80.4	6.0	216.8	1.73	63.02
43.0-44.0	77.3	5.8	222.6	1.70	64.71
44.0-45.0	74.2	5.7	228.3	1.66	66.37
45.0-46.0	71.2	5.6	233.9	1.62	67.99
46.0-47.0	68.3	5.4	239.3	1.58	69.57
47.0-48.0	65.4	5.3	244.6	1.54	71.11
48.0-49.0	62.7	5.1	249.7	1.50	72.60
49.0-50.0	60.0	5.0	254.7	1.45	74.06
50.0-51.0	57.3	4.9	259.6	1.41	75.47
51.0-52.0	54.8	4.7	264.3	1.37	76.83
52.0-53.0	52.4	4.6	268.9	1.32	78.16
53.0-54.0	50.0	4.4	273.3	1.28	79.44
54.0-55.0	47.7	4.3	277.5	1.24	80.68
55.0-56.0	45.4	4.1	281.6	1.19	81.87
56.0-57.0	43.2	4.0	285.6	1.15	83.02
57.0-58.0	41.1	3.8	289.4	1.11	84.13
58.0-59.0	39.1	3.7	293.0	1.06	85.19
59.0-60.0	37.1	3.5	296.5	1.02	86.21
60.0-61.0	35.2	3.4	299.9	0.98	87.19
61.0-62.0	33.3	3.2	303.1	0.93	88.12
62.0-63.0	31.5	3.1	306.2	0.89	89.01
63.0-64.0	29.7	2.9	309.1	0.85	89.86
64.0-65.0	28.0	2.8	311.9	0.81	90.66
65.0-66.0	26.3	2.6	314.5	0.76	91.43
66.0-67.0	24.7	2.5	317.0	0.72	92.15
67.0-68.0	23.1	2.3	319.3	0.68	92.83
68.0-69.0	21.6	2.2	321.5	0.64	93.47
69.0-70.0	20.1	2.1	323.6	0.60	94.07
70.0-71.0	18.6	1.9	325.5	0.56	94.63
71.0-72.0	17.2	1.8	327.3	0.52	95.15

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	15.9	1.7	329.0	0.48	95.64
73.0-74.0	14.5	1.5	330.5	0.44	96.08
74.0-75.0	13.3	1.4	331.9	0.41	96.49
75.0-76.0	12.0	1.3	333.2	0.37	96.86
76.0-77.0	10.8	1.2	334.3	0.34	97.19
77.0-78.0	9.7	1.0	335.4	0.30	97.50
78.0-79.0	8.6	0.9	336.3	0.27	97.76
79.0-80.0	7.5	0.8	337.1	0.23	98.00
80.0-81.0	6.5	0.7	337.8	0.20	98.20
81.0-82.0	5.6	0.6	338.4	0.18	98.38
82.0-83.0	4.7	0.5	338.9	0.15	98.52
83.0-84.0	3.8	0.4	339.3	0.12	98.65
84.0-85.0	3.0	0.3	339.7	0.10	98.74
85.0-86.0	2.4	0.3	339.9	0.07	98.82
86.0-87.0	1.8	0.2	340.1	0.06	98.87
87.0-88.0	1.3	0.1	340.3	0.04	98.92
88.0-89.0	1.0	0.1	340.4	0.03	98.95
89.0-90.0	0.7	0.1	340.4	0.02	98.97
90.0-91.0	0.4	0.0	340.5	0.01	98.98
91.0-92.0	0.2	0.0	340.5	0.01	98.99
92.0-93.0	0.1	0.0	340.5	0.00	98.99
93.0-94.0	0.1	0.0	340.5	0.00	99.00
94.0-95.0	0.1	0.0	340.5	0.00	99.00
95.0-96.0	0.1	0.0	340.6	0.00	99.01
96.0-97.0	0.1	0.0	340.6	0.00	99.01
97.0-98.0	0.2	0.0	340.6	0.00	99.01
98.0-99.0	0.2	0.0	340.6	0.01	99.02
99.0-100.0	0.2	0.0	340.6	0.01	99.03
100.0-101.0	0.2	0.0	340.7	0.01	99.03
101.0-102.0	0.2	0.0	340.7	0.01	99.04
102.0-103.0	0.2	0.0	340.7	0.01	99.04
103.0-104.0	0.2	0.0	340.7	0.01	99.05
104.0-105.0	0.2	0.0	340.7	0.01	99.06
105.0-106.0	0.2	0.0	340.8	0.01	99.07
106.0-107.0	0.2	0.0	340.8	0.01	99.07
107.0-108.0	0.3	0.0	340.8	0.01	99.08

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	340.9	0.01	99.09
109.0-110.0	0.3	0.0	340.9	0.01	99.10
110.0-111.0	0.3	0.0	340.9	0.01	99.11
111.0-112.0	0.3	0.0	340.9	0.01	99.12
112.0-113.0	0.3	0.0	341.0	0.01	99.13
113.0-114.0	0.4	0.0	341.0	0.01	99.14
114.0-115.0	0.4	0.0	341.1	0.01	99.15
115.0-116.0	0.4	0.0	341.1	0.01	99.16
116.0-117.0	0.4	0.0	341.1	0.01	99.17
117.0-118.0	0.4	0.0	341.2	0.01	99.18
118.0-119.0	0.4	0.0	341.2	0.01	99.20
119.0-120.0	0.5	0.0	341.3	0.01	99.21
120.0-121.0	0.5	0.0	341.3	0.01	99.22
121.0-122.0	0.5	0.0	341.4	0.01	99.24
122.0-123.0	0.5	0.0	341.4	0.01	99.25
123.0-124.0	0.5	0.0	341.5	0.01	99.26
124.0-125.0	0.6	0.1	341.5	0.01	99.28
125.0-126.0	0.6	0.1	341.6	0.02	99.29
126.0-127.0	0.6	0.1	341.6	0.02	99.31
127.0-128.0	0.6	0.1	341.7	0.02	99.32
128.0-129.0	0.6	0.1	341.7	0.02	99.34
129.0-130.0	0.7	0.1	341.8	0.02	99.36
130.0-131.0	0.7	0.1	341.8	0.02	99.37
131.0-132.0	0.7	0.1	341.9	0.02	99.39
132.0-133.0	0.7	0.1	341.9	0.02	99.41
133.0-134.0	0.7	0.1	342.0	0.02	99.42
134.0-135.0	0.8	0.1	342.1	0.02	99.44
135.0-136.0	0.8	0.1	342.1	0.02	99.46
136.0-137.0	0.8	0.1	342.2	0.02	99.47
137.0-138.0	0.8	0.1	342.2	0.02	99.49
138.0-139.0	0.8	0.1	342.3	0.02	99.51
139.0-140.0	0.9	0.1	342.4	0.02	99.53
140.0-141.0	0.9	0.1	342.4	0.02	99.55
141.0-142.0	0.9	0.1	342.5	0.02	99.56
142.0-143.0	0.9	0.1	342.5	0.02	99.58
143.0-144.0	0.9	0.1	342.6	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	1.0	0.1	342.7	0.02	99.62
145.0-146.0	1.0	0.1	342.7	0.02	99.63
146.0-147.0	1.0	0.1	342.8	0.02	99.65
147.0-148.0	1.0	0.1	342.8	0.02	99.67
148.0-149.0	1.0	0.1	342.9	0.02	99.69
149.0-150.0	1.1	0.1	343.0	0.02	99.70
150.0-151.0	1.1	0.1	343.0	0.02	99.72
151.0-152.0	1.1	0.1	343.1	0.02	99.74
152.0-153.0	1.1	0.1	343.1	0.02	99.75
153.0-154.0	1.1	0.1	343.2	0.02	99.77
154.0-155.0	1.1	0.1	343.2	0.02	99.79
155.0-156.0	1.2	0.1	343.3	0.02	99.80
156.0-157.0	1.2	0.1	343.3	0.01	99.82
157.0-158.0	1.2	0.0	343.4	0.01	99.83
158.0-159.0	1.2	0.0	343.4	0.01	99.84
159.0-160.0	1.2	0.0	343.5	0.01	99.86
160.0-161.0	1.2	0.0	343.5	0.01	99.87
161.0-162.0	1.2	0.0	343.6	0.01	99.88
162.0-163.0	1.2	0.0	343.6	0.01	99.89
163.0-164.0	1.3	0.0	343.7	0.01	99.91
164.0-165.0	1.3	0.0	343.7	0.01	99.92
165.0-166.0	1.3	0.0	343.7	0.01	99.93
166.0-167.0	1.3	0.0	343.8	0.01	99.94
167.0-168.0	1.3	0.0	343.8	0.01	99.94
168.0-169.0	1.3	0.0	343.8	0.01	99.95
169.0-170.0	1.4	0.0	343.8	0.01	99.96
170.0-171.0	1.4	0.0	343.9	0.01	99.97
171.0-172.0	1.4	0.0	343.9	0.01	99.97
172.0-173.0	1.4	0.0	343.9	0.01	99.98
173.0-174.0	1.4	0.0	343.9	0.01	99.99
174.0-175.0	1.4	0.0	343.9	0.00	99.99
175.0-176.0	1.4	0.0	344.0	0.00	99.99
176.0-177.0	1.4	0.0	344.0	0.00	100.00
177.0-178.0	1.4	0.0	344.0	0.00	100.00
178.0-179.0	1.4	0.0	344.0	0.00	100.00
179.0-180.0	1.4	0.0	344.0	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: