

Report No.:

Test Time: 2023/9/5 17:20

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHAC3F90SWS2203.030

Luminous Length (mm): 500

Luminous Width (mm): 18.8

Luminous Height (mm): 18.8

Voltage: 24.0 V

Current: 0.204 A

Power: 4.91 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 403.5 lm

Downward Ratio: 91%

Horizontal Diffuse Angle(10%,50%): H155.5,H108.6

Vertical Diffuse Angle(10%,50%): V161.2,V97.4

Luminaire Efficacy Rating (LER): 82

Max. Intensity: 186.23 cd

Total Rated Lamp Lumens: 403.5 lm

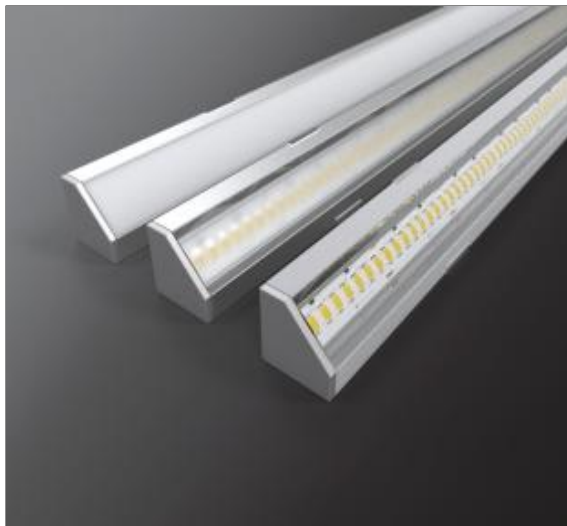
Efficiency: 100%

Upward Ratio: 9%

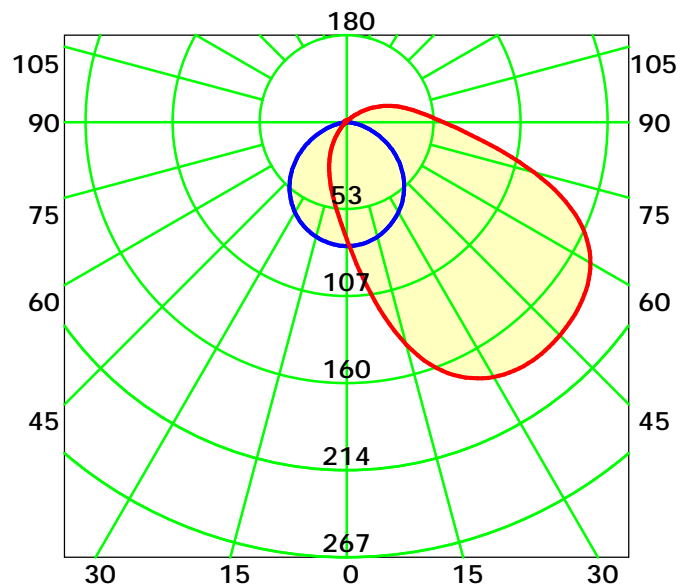
Central Intensity: 76.24 cd

Pos of Max. Intensity: H90 V40

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 103.0° Unit: cd

— C0-C180 — C90-C270

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

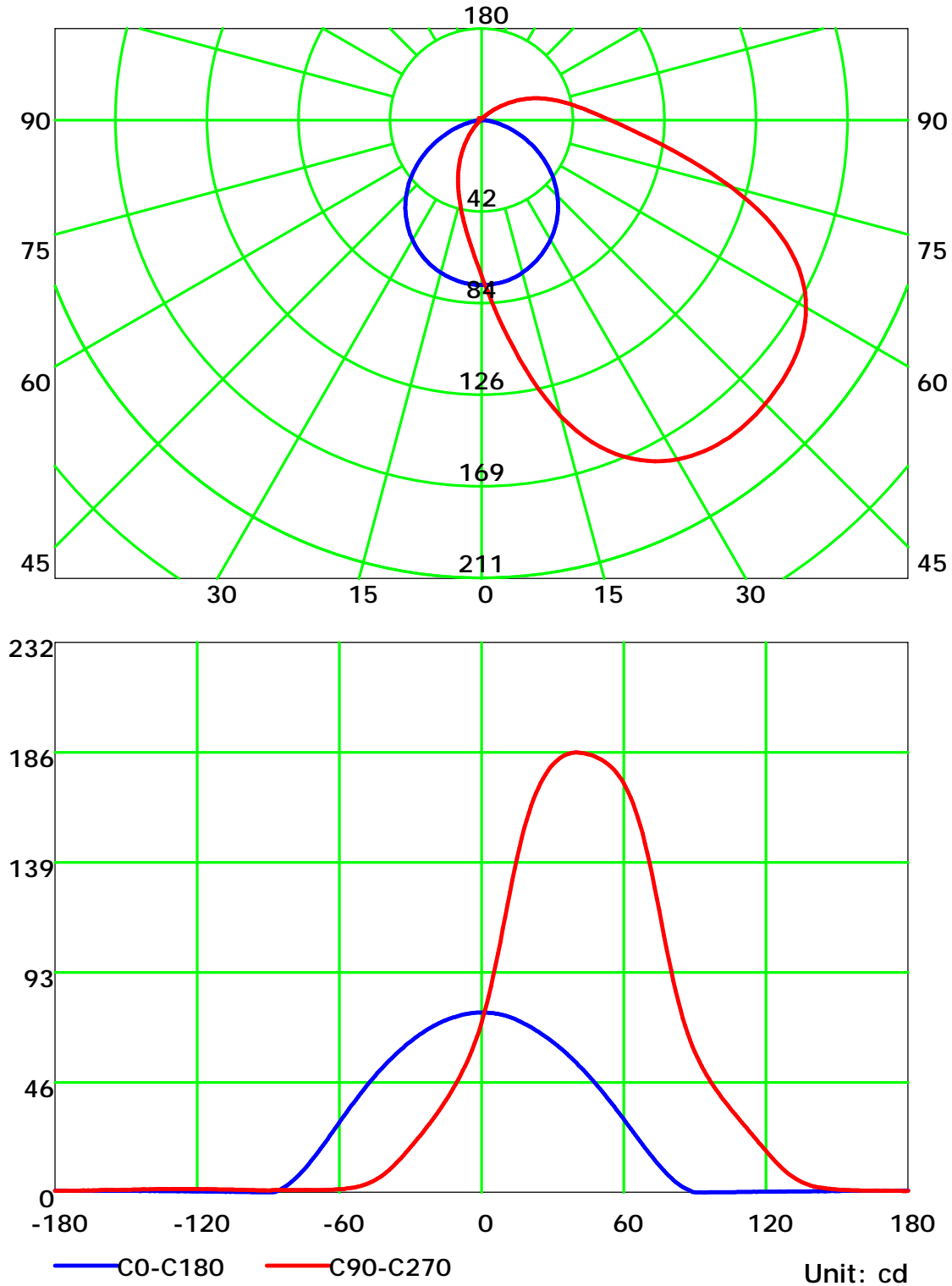
Distance: 9.028 m

Humidity: 60%

Inspector:



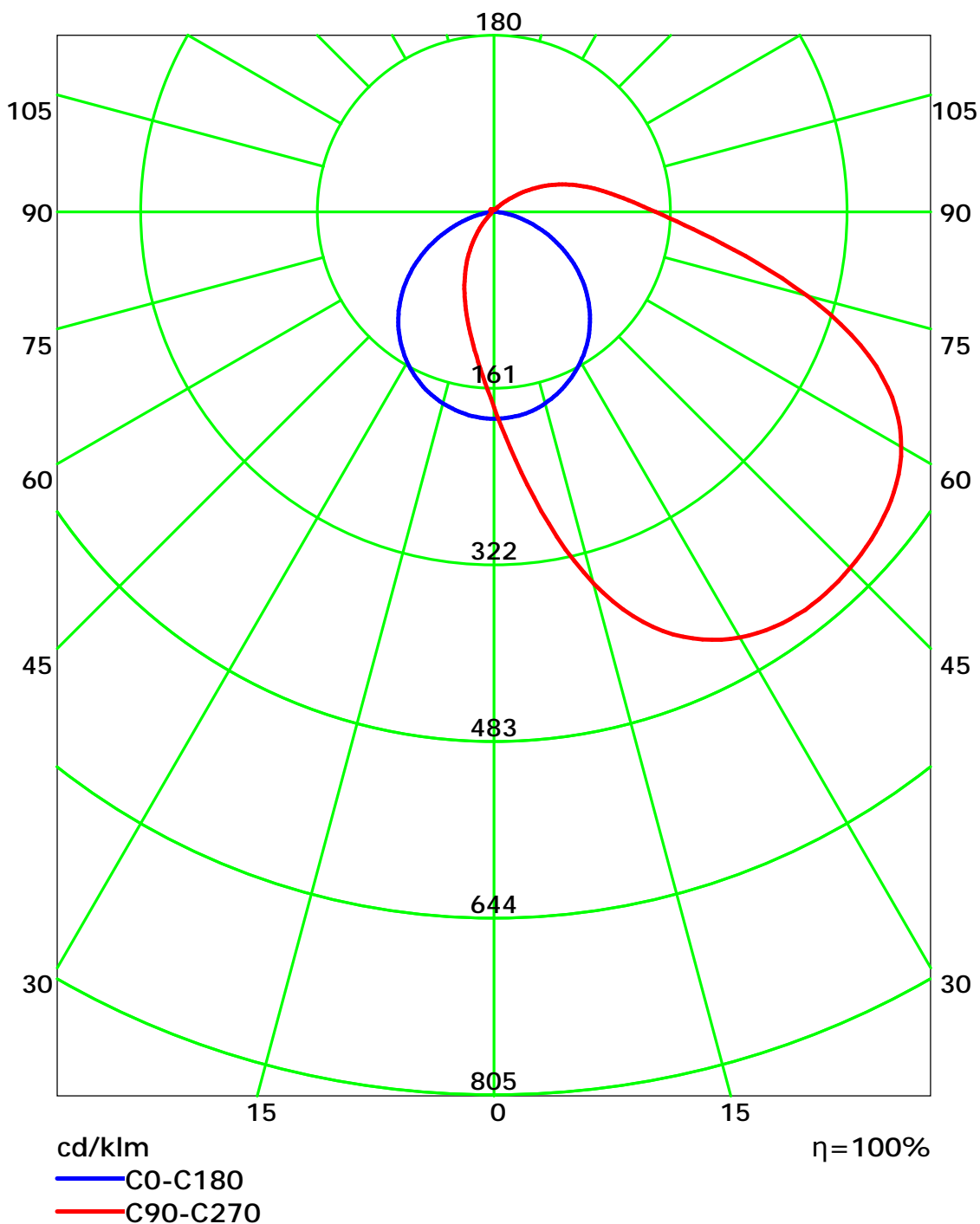
Luminous Intensity Distribution Curve



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:

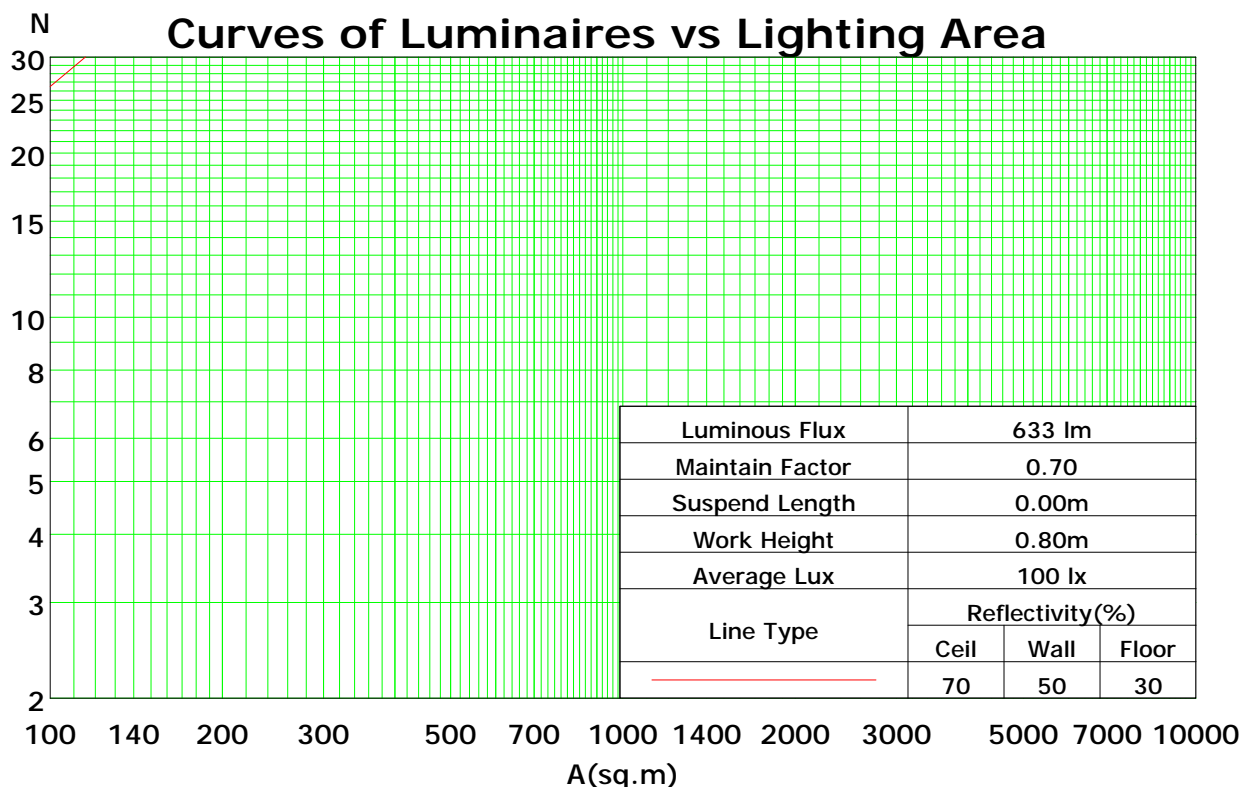
Coefficients Of Utilization - Zonal Cavity Method

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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	104	98	92	88	100	95	90	85	89	85	81	83	80	77	78	75	73	70
2	93	83	75	69	89	81	73	67	75	69	64	71	66	61	66	62	59	56
3	84	72	63	55	80	70	61	54	65	58	52	61	55	50	57	52	48	45
4	76	63	53	46	73	61	52	45	57	49	43	54	47	42	50	45	40	37
5	70	56	46	38	67	54	45	38	51	43	37	48	41	35	45	39	34	32
6	64	50	40	33	61	48	39	32	45	37	31	43	36	30	40	34	29	27
7	59	45	35	29	57	43	34	28	41	33	27	39	32	27	37	30	26	23
8	55	40	31	25	53	39	31	25	37	30	24	35	28	23	33	27	23	21
9	51	37	28	22	49	36	28	22	34	27	21	32	26	21	31	25	20	18
10	48	34	26	20	46	33	25	20	31	24	19	30	23	19	28	22	18	16

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.92

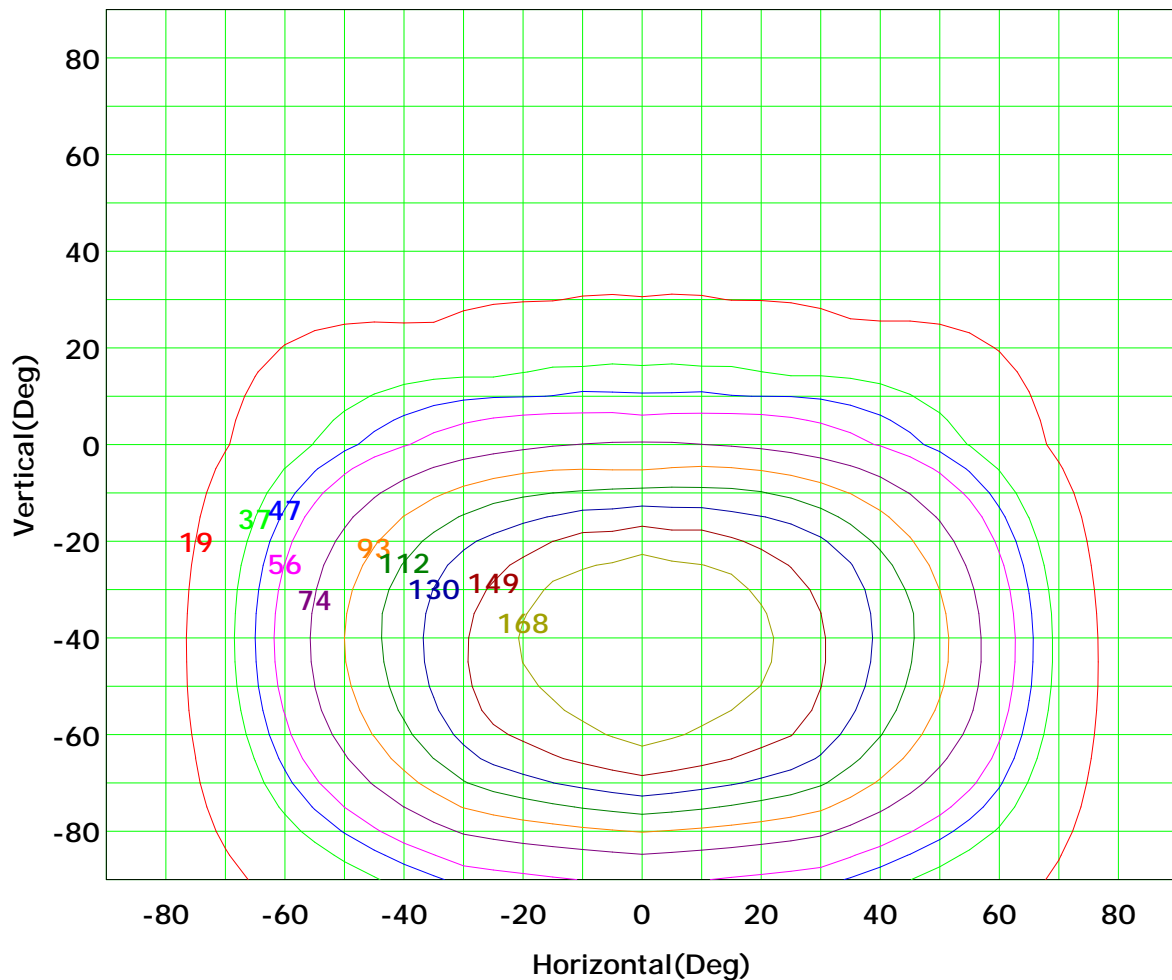
Spacing Criteria (Diagonal): 1.72



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)



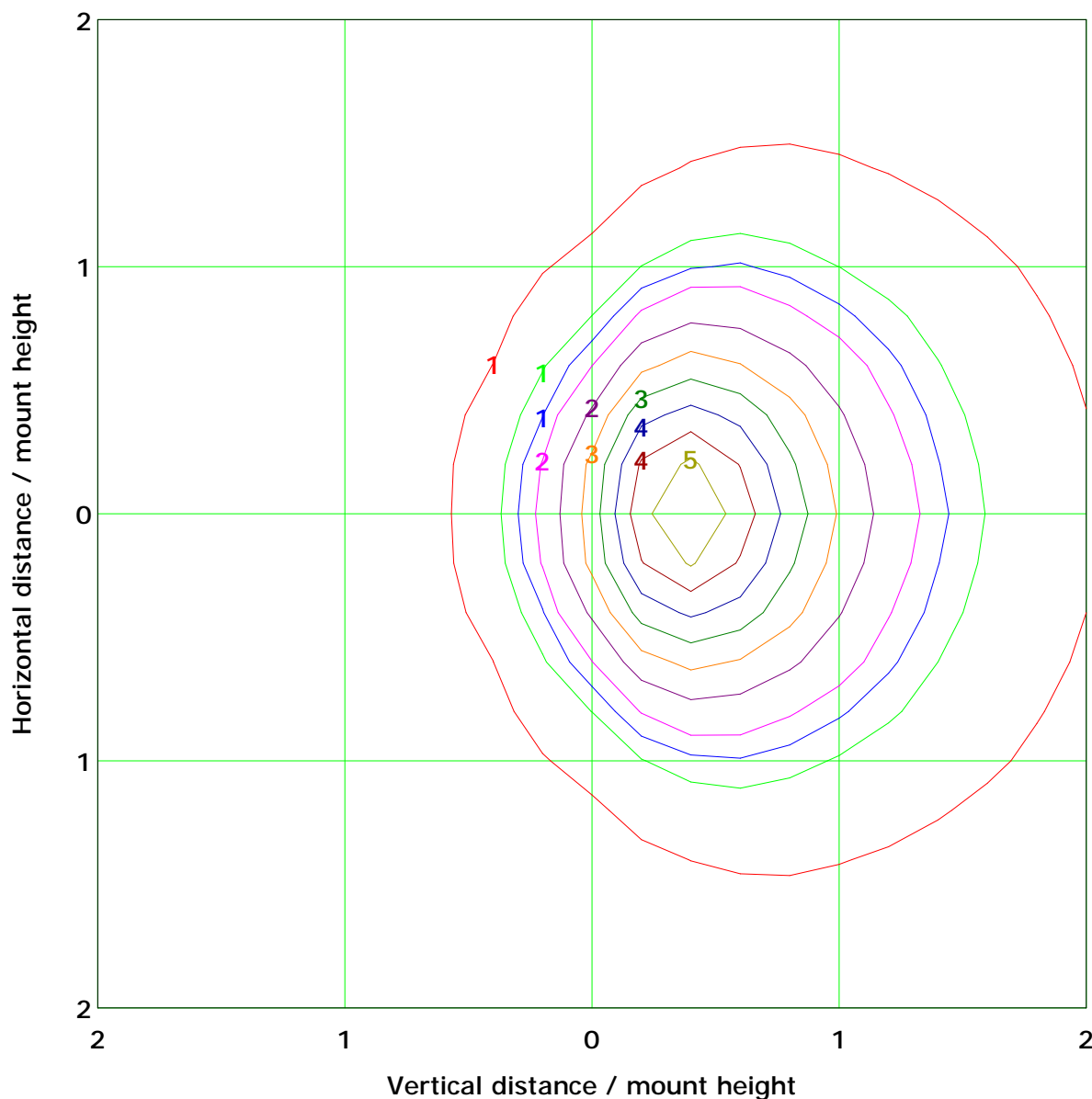
I_{max} (100%): 186 cd

(10%):	19 cd	(20%):	37 cd
(25%):	47 cd	(30%):	56 cd
(40%):	74 cd	(50%):	93 cd
(60%):	112 cd	(70%):	130 cd
(80%):	149 cd	(90%):	168 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%): 5.3 lx			
(10%):	0.5 lx	(20%):	1.1 lx
(25%):	1.3 lx	(30%):	1.6 lx
(40%):	2.1 lx	(50%):	2.7 lx
(60%):	3.2 lx	(70%):	3.7 lx
(80%):	4.3 lx	(90%):	4.8 lx

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

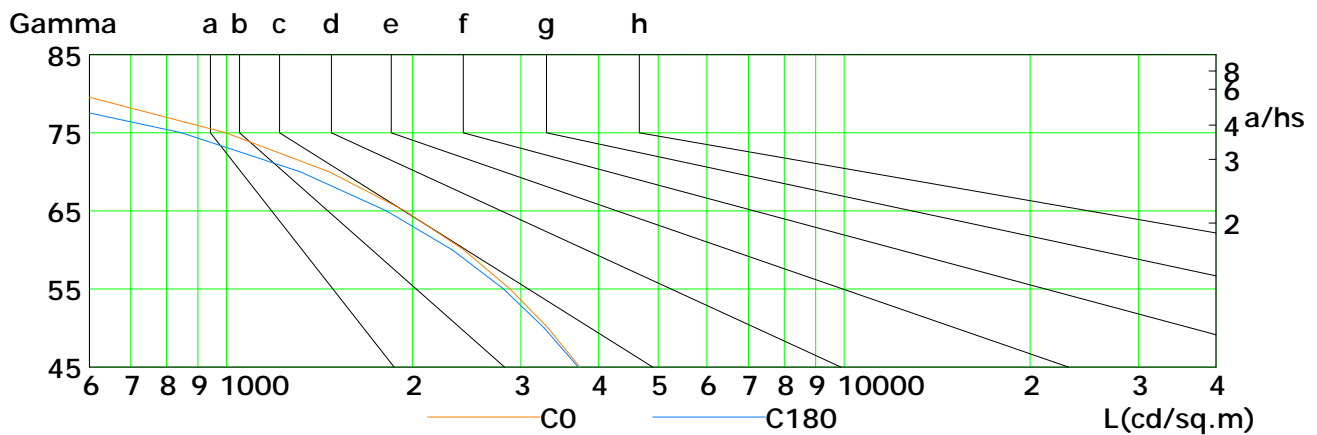
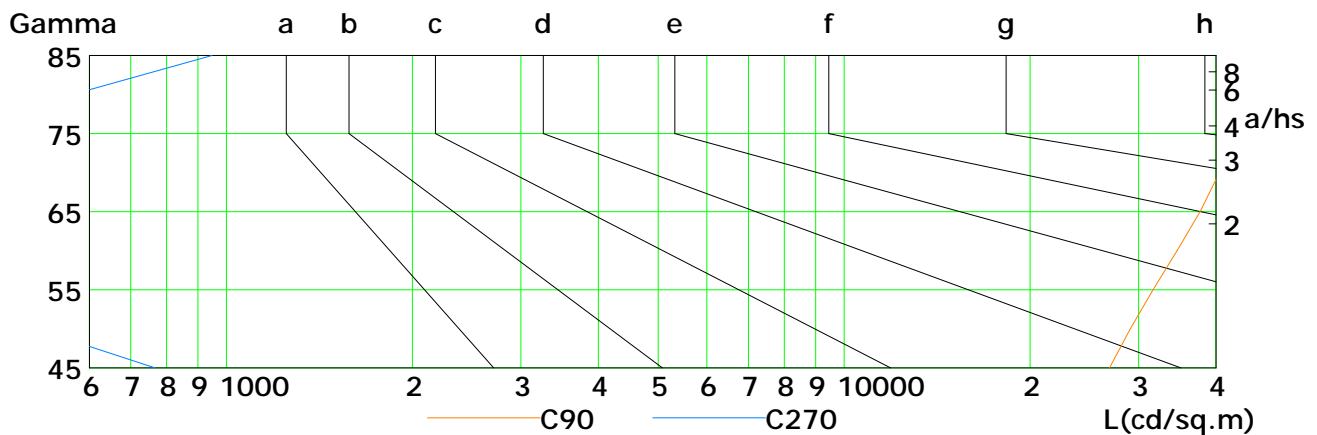
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



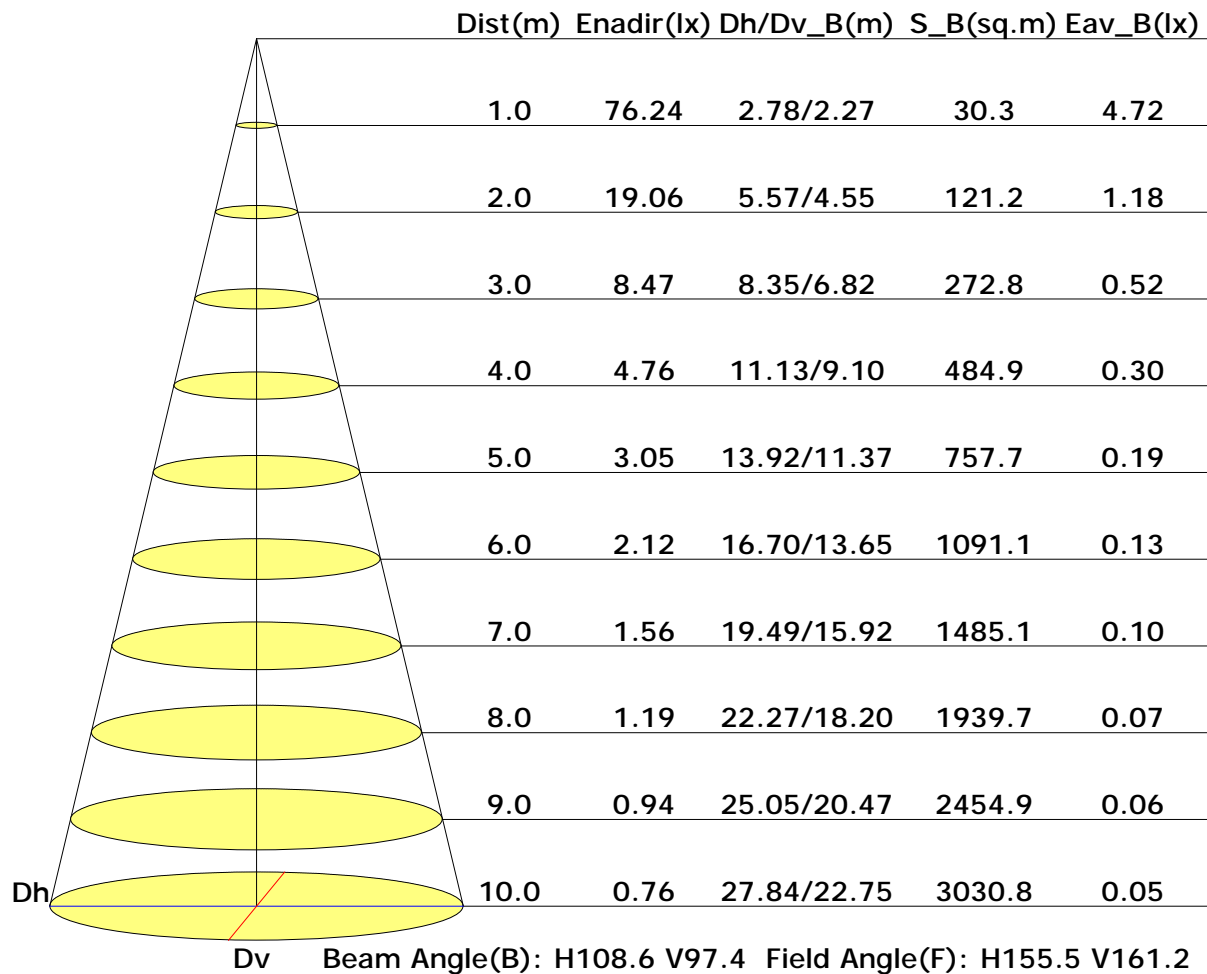
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3736	3316	2880	2424	1946	1467	998	571	231
C90	26897	29067	31657	34590	37687	40503	43031	47496	62859
C180	3712	3272	2812	2322	1816	1318	846	433	127
C270	767	493	352	288	277	321	400	561	948

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:

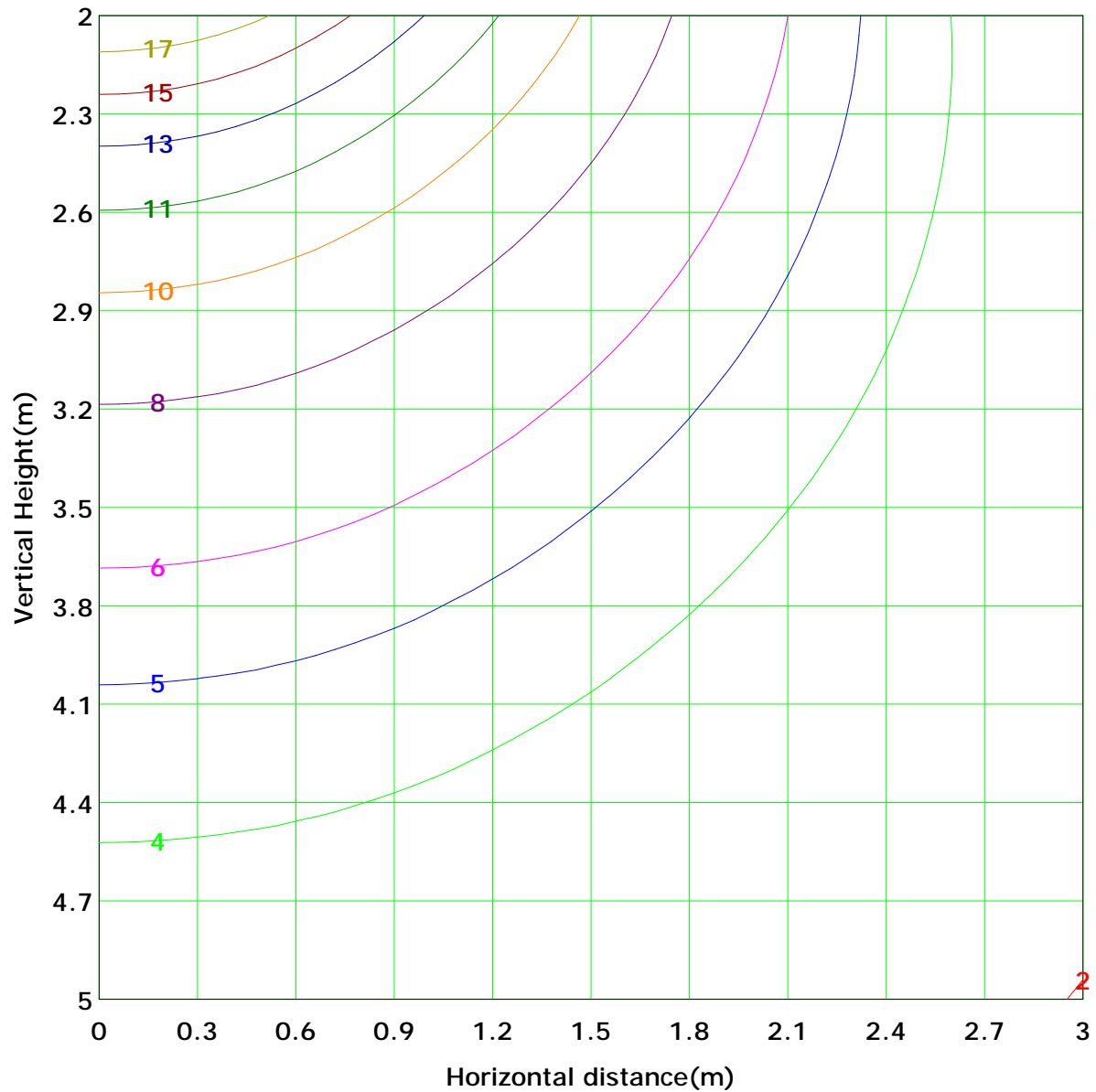


Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 19.1 lx
(10%): 1.9 lx	(20%): 3.8 lx	(30%): 5.7 lx
(25%): 4.8 lx	(40%): 7.6 lx	(50%): 9.5 lx
(60%): 11.4 lx	(70%): 13.3 lx	(80%): 15.2 lx
(90%): 17.2 lx		

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

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

Area Flux Table

Unit: lm

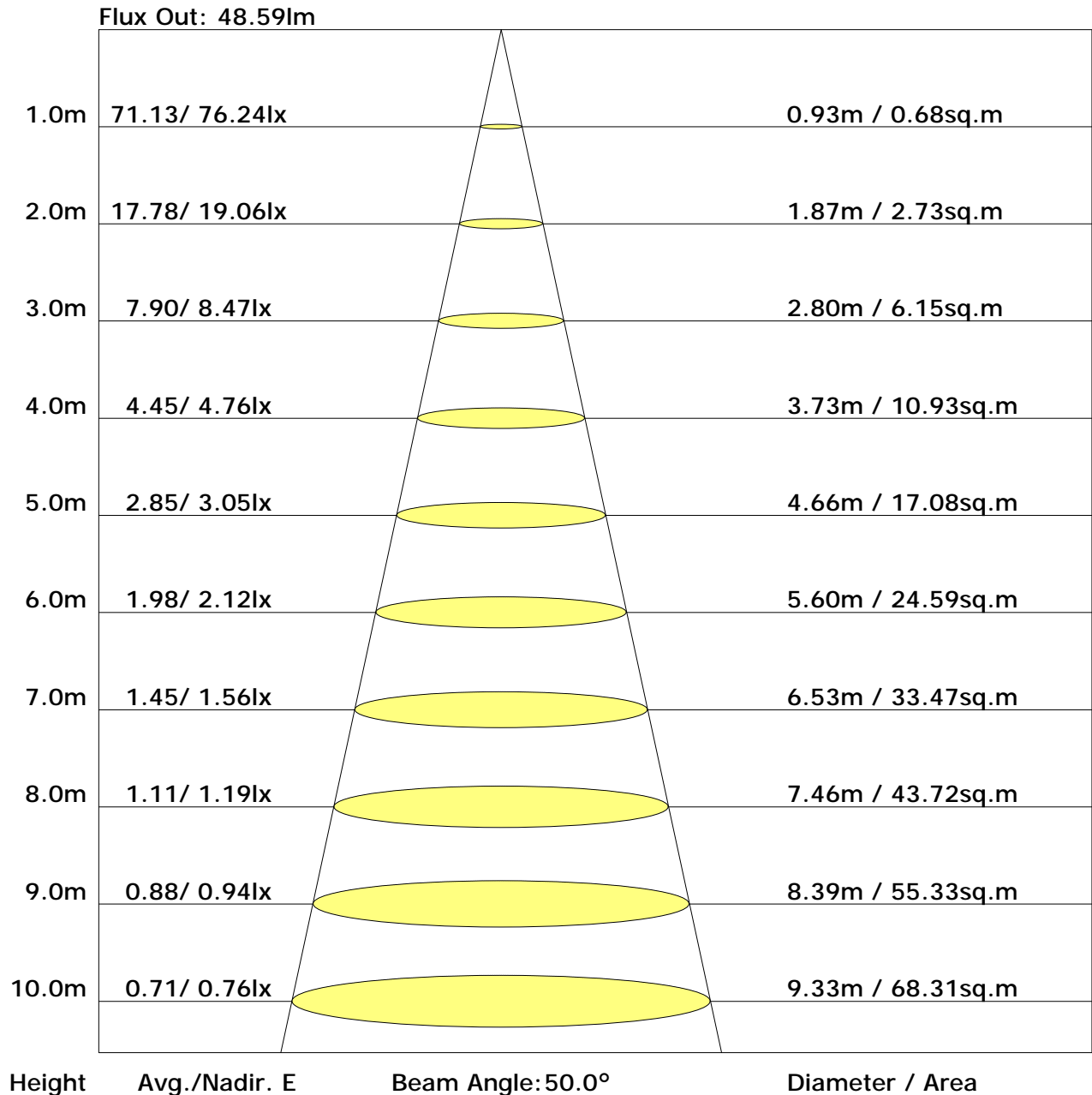
		Orbit, m																		Flux(T)Flux(E)	
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80		
Vertical plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
	-70	0.0	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	0.4	0.0
	-60	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	0.7	0.0
	-50	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	1.8	0.0
	-40	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	0.0
	-30	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	4.0	0.1
	-20	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	7.2	5.5
	-10	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	11.3	10.9
	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	16.6	16.4
	10	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	24.9	24.7
	20	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	35.2	35.1
	30	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	42.5	42.4
	40	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	45.7	45.6
	50	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	46.0	45.8
	60	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	43.9	43.8
	70	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	38.6	38.5
	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	29.0	28.8
	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	18.9	18.7
	Flux(T)	0.2	1.7	5.5	11.6	19.3	27.7	35.3	40.6	43.6	43.4	40.1	34.5	26.9	18.6	11.1	5.4	1.7	0.2	367	
Flux(E)	0.0	0.9	4.9	11.1	18.8	27.0	34.6	39.9	42.9	42.7	39.3	33.8	26.2	18.1	10.7	4.8	0.8	0.0		356	
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
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



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	21.0	22.6	21.5	23.1	23.6	26.9	28.5	27.4	29.0	29.5
3H	22.4	23.9	22.9	24.4	24.9	29.2	30.7	29.8	31.2	31.8
4H	22.9	24.3	23.4	24.8	25.4	30.2	31.5	30.7	32.0	32.6
6H	23.2	24.5	23.8	25.0	25.6	30.9	32.2	31.4	32.7	33.3
8H	23.3	24.5	23.8	25.1	25.7	31.2	32.4	31.7	33.0	33.6
12H	23.3	24.5	23.9	25.1	25.7	31.4	32.6	32.0	33.2	33.8
X=4H Y=2H	22.4	23.8	23.0	24.3	24.9	27.4	28.8	28.0	29.3	29.9
3H	24.2	25.4	24.8	26.0	26.6	30.0	31.2	30.6	31.8	32.4
4H	24.9	26.0	25.4	26.5	27.1	31.1	32.2	31.7	32.8	33.4
6H	25.3	26.3	25.9	26.9	27.5	32.0	33.0	32.6	33.6	34.2
8H	25.5	26.4	26.0	27.0	27.6	32.4	33.3	33.0	33.9	34.5
12H	25.5	26.4	26.1	27.0	27.6	32.7	33.5	33.3	34.2	34.8
X=8H Y=4H	25.8	26.7	26.3	27.2	27.9	31.4	32.3	31.9	32.9	33.5
6H	26.4	27.2	27.1	27.8	28.5	32.4	33.2	33.1	33.8	34.5
8H	26.7	27.4	27.3	28.0	28.7	32.9	33.6	33.6	34.3	34.9
12H	26.9	27.5	27.5	28.2	28.9	33.4	34.0	34.0	34.7	35.4
X=12H Y=4H	25.9	26.8	26.5	27.4	28.0	31.4	32.2	32.0	32.8	33.5
6H	26.7	27.4	27.4	28.0	28.8	32.5	33.2	33.1	33.8	34.5
8H	27.1	27.7	27.7	28.3	29.1	33.1	33.7	33.7	34.3	35.1

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 = 1.75								
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	NA	0.60	0.67	0.72	0.80	0.85	0.88	0.93	0.97
	0.30		NA	0.52	0.59	0.64	0.72	0.78	0.82	0.88	0.92
	0.20		NA	0.45	0.52	0.58	0.67	0.73	0.77	0.84	0.88
0.50	0.50	0.20	NA	0.57	0.63	0.68	0.75	0.80	0.83	0.88	0.91
	0.30		NA	0.49	0.56	0.61	0.69	0.74	0.78	0.83	0.87
	0.20		NA	0.44	0.51	0.56	0.64	0.70	0.74	0.80	0.84
0.30	0.50	0.20	NA	0.54	0.60	0.64	0.71	0.75	0.78	0.82	0.85
	0.30		NA	0.48	0.54	0.59	0.66	0.71	0.74	0.79	0.82
	0.20		NA	0.43	0.49	0.54	0.62	0.67	0.70	0.76	0.79
0.00	0.00	0.00	NA	0.39	0.45	0.50	0.57	0.61	0.65	0.70	0.73
Rating:5W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.75									
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	NA	0.88	0.77	0.68	0.55	0.47	0.41	0.33	0.27	
	0.30		NA	0.76	0.67	0.60	0.50	0.43	0.38	0.31	0.26	
	0.20		NA	0.66	0.59	0.54	0.46	0.40	0.35	0.29	0.25	
0.50	0.50	0.20	NA	0.84	0.72	0.64	0.52	0.47	0.39	0.31	0.26	
	0.30		NA	0.72	0.64	0.57	0.48	0.41	0.36	0.29	0.25	
	0.20		NA	0.64	0.57	0.52	0.44	0.38	0.34	0.28	0.24	
0.30	0.50	0.20	NA	0.79	0.69	0.61	0.49	0.42	0.37	0.29	0.24	
	0.30		NA	0.70	0.61	0.55	0.46	0.39	0.34	0.28	0.23	
	0.20		NA	0.62	0.56	0.50	0.42	0.37	0.33	0.27	0.23	
0.00	0.00	0.00	0.91	0.52	0.46	0.41	0.35	0.30	0.26	0.22	0.18	
Rating:5W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.75								
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	NA	0.27	0.28	0.28	0.29	0.30	0.30	0.30	0.31
	0.30		NA	0.20	0.21	0.22	0.24	0.25	0.25	0.27	0.27
	0.20		NA	0.14	0.16	0.17	0.19	0.20	0.22	0.23	0.24
0.50	0.50	0.20	NA	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.29
	0.30		NA	0.19	0.20	0.21	0.23	0.24	0.25	0.26	0.26
	0.20		NA	0.14	0.16	0.17	0.19	0.20	0.21	0.23	0.24
0.30	0.50	0.20	NA	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.28
	0.30		NA	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.25
	0.20		NA	0.14	0.15	0.16	0.18	0.19	0.20	0.22	0.23
0.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Rating:5W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	73.7	0.1	0.1	0.02	0.02
1.0-2.0	73.8	0.2	0.3	0.05	0.07
2.0-3.0	74.0	0.4	0.6	0.09	0.16
3.0-4.0	74.3	0.5	1.1	0.12	0.28
4.0-5.0	74.8	0.6	1.8	0.16	0.44
5.0-6.0	75.3	0.8	2.6	0.20	0.64
6.0-7.0	75.8	0.9	3.5	0.23	0.87
7.0-8.0	76.5	1.1	4.6	0.27	1.14
8.0-9.0	77.2	1.3	5.9	0.31	1.45
9.0-10.0	77.9	1.4	7.3	0.35	1.80
10.0-11.0	78.7	1.6	8.8	0.39	2.19
11.0-12.0	79.5	1.7	10.6	0.43	2.62
12.0-13.0	80.3	1.9	12.5	0.47	3.09
13.0-14.0	81.1	2.1	14.6	0.51	3.61
14.0-15.0	81.8	2.2	16.8	0.56	4.16
15.0-16.0	82.5	2.4	19.2	0.60	4.76
16.0-17.0	83.2	2.6	21.8	0.64	5.41
17.0-18.0	83.8	2.8	24.6	0.68	6.09
18.0-19.0	84.3	2.9	27.5	0.73	6.82
19.0-20.0	84.8	3.1	30.6	0.77	7.59
20.0-21.0	85.2	3.3	33.9	0.81	8.40
21.0-22.0	85.5	3.4	37.3	0.85	9.25
22.0-23.0	85.8	3.6	40.9	0.89	10.14
23.0-24.0	86.0	3.8	44.7	0.93	11.07
24.0-25.0	86.1	3.9	48.6	0.97	12.04
25.0-26.0	86.2	4.1	52.7	1.01	13.05
26.0-27.0	86.2	4.2	56.9	1.04	14.10
27.0-28.0	86.1	4.4	61.2	1.08	15.18
28.0-29.0	86.0	4.5	65.7	1.12	16.29
29.0-30.0	85.8	4.6	70.4	1.15	17.44
30.0-31.0	85.6	4.8	75.1	1.18	18.62
31.0-32.0	85.3	4.9	80.0	1.21	19.83
32.0-33.0	84.9	5.0	85.0	1.24	21.07
33.0-34.0	84.5	5.1	90.1	1.27	22.34
34.0-35.0	84.1	5.2	95.4	1.29	23.63
35.0-36.0	83.6	5.3	100.7	1.32	24.95

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	83.1	5.4	106.1	1.34	26.29
37.0-38.0	82.5	5.5	111.6	1.36	27.66
38.0-39.0	81.9	5.6	117.2	1.39	29.04
39.0-40.0	81.2	5.7	122.9	1.40	30.45
40.0-41.0	80.6	5.7	128.6	1.42	31.87
41.0-42.0	79.9	5.8	134.4	1.44	33.31
42.0-43.0	79.1	5.9	140.3	1.45	34.76
43.0-44.0	78.4	5.9	146.2	1.47	36.23
44.0-45.0	77.6	6.0	152.2	1.48	37.71
45.0-46.0	76.8	6.0	158.2	1.49	39.20
46.0-47.0	76.0	6.0	164.2	1.50	40.69
47.0-48.0	75.2	6.1	170.3	1.51	42.20
48.0-49.0	74.3	6.1	176.4	1.51	43.71
49.0-50.0	73.5	6.1	182.5	1.52	45.23
50.0-51.0	72.6	6.1	188.7	1.52	46.75
51.0-52.0	71.6	6.1	194.8	1.52	48.28
52.0-53.0	70.7	6.2	201.0	1.52	49.80
53.0-54.0	69.8	6.1	207.1	1.52	51.32
54.0-55.0	68.8	6.1	213.2	1.52	52.85
55.0-56.0	67.8	6.1	219.4	1.52	54.36
56.0-57.0	66.8	6.1	225.5	1.51	55.88
57.0-58.0	65.7	6.1	231.5	1.51	57.38
58.0-59.0	64.6	6.0	237.6	1.50	58.88
59.0-60.0	63.4	6.0	243.6	1.49	60.36
60.0-61.0	62.3	5.9	249.5	1.47	61.84
61.0-62.0	61.1	5.9	255.4	1.46	63.30
62.0-63.0	59.8	5.8	261.2	1.44	64.74
63.0-64.0	58.5	5.7	267.0	1.42	66.16
64.0-65.0	57.2	5.7	272.6	1.40	67.56
65.0-66.0	55.8	5.6	278.2	1.38	68.94
66.0-67.0	54.4	5.5	283.7	1.35	70.30
67.0-68.0	52.9	5.4	289.0	1.33	71.62
68.0-69.0	51.3	5.2	294.3	1.30	72.92
69.0-70.0	49.7	5.1	299.4	1.26	74.19
70.0-71.0	48.0	5.0	304.3	1.23	75.42
71.0-72.0	46.3	4.8	309.1	1.19	76.61

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

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

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	44.5	4.7	313.8	1.15	77.76
73.0-74.0	42.8	4.5	318.3	1.11	78.88
74.0-75.0	41.0	4.3	322.6	1.07	79.95
75.0-76.0	39.1	4.2	326.8	1.03	80.98
76.0-77.0	37.3	4.0	330.7	0.99	81.97
77.0-78.0	35.5	3.8	334.5	0.94	82.91
78.0-79.0	33.7	3.6	338.2	0.90	83.80
79.0-80.0	31.9	3.4	341.6	0.85	84.66
80.0-81.0	30.2	3.3	344.9	0.81	85.47
81.0-82.0	28.5	3.1	348.0	0.77	86.23
82.0-83.0	26.9	2.9	350.9	0.73	86.96
83.0-84.0	25.4	2.8	353.7	0.69	87.65
84.0-85.0	24.0	2.6	356.3	0.65	88.30
85.0-86.0	22.7	2.5	358.8	0.61	88.91
86.0-87.0	21.4	2.3	361.1	0.58	89.49
87.0-88.0	20.2	2.2	363.3	0.55	90.04
88.0-89.0	19.1	2.1	365.4	0.52	90.56
89.0-90.0	18.1	2.0	367.4	0.49	91.05
90.0-91.0	17.1	1.9	369.3	0.47	91.51
91.0-92.0	16.3	1.8	371.1	0.44	91.96
92.0-93.0	15.6	1.7	372.8	0.42	92.38
93.0-94.0	14.9	1.6	374.4	0.40	92.78
94.0-95.0	14.2	1.6	375.9	0.38	93.16
95.0-96.0	13.6	1.5	377.4	0.37	93.53
96.0-97.0	13.0	1.4	378.8	0.35	93.88
97.0-98.0	12.4	1.4	380.2	0.33	94.22
98.0-99.0	11.9	1.3	381.5	0.32	94.54
99.0-100.0	11.4	1.2	382.7	0.31	94.84
100.0-101.0	10.9	1.2	383.9	0.29	95.14
101.0-102.0	10.5	1.1	385.0	0.28	95.41
102.0-103.0	10.0	1.1	386.1	0.27	95.68
103.0-104.0	9.6	1.0	387.1	0.25	95.93
104.0-105.0	9.2	1.0	388.1	0.24	96.18
105.0-106.0	8.8	0.9	389.0	0.23	96.41
106.0-107.0	8.4	0.9	389.9	0.22	96.62
107.0-108.0	8.0	0.8	390.7	0.21	96.83

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	7.7	0.8	391.5	0.20	97.03
109.0-110.0	7.3	0.8	392.3	0.19	97.22
110.0-111.0	7.0	0.7	393.0	0.18	97.40
111.0-112.0	6.7	0.7	393.7	0.17	97.56
112.0-113.0	6.3	0.6	394.3	0.16	97.72
113.0-114.0	6.0	0.6	394.9	0.15	97.87
114.0-115.0	5.7	0.6	395.5	0.14	98.02
115.0-116.0	5.4	0.5	396.0	0.13	98.15
116.0-117.0	5.2	0.5	396.6	0.13	98.27
117.0-118.0	4.9	0.5	397.0	0.12	98.39
118.0-119.0	4.6	0.4	397.5	0.11	98.50
119.0-120.0	4.4	0.4	397.9	0.10	98.61
120.0-121.0	4.1	0.4	398.3	0.10	98.70
121.0-122.0	3.9	0.4	398.6	0.09	98.79
122.0-123.0	3.6	0.3	399.0	0.08	98.88
123.0-124.0	3.4	0.3	399.3	0.08	98.95
124.0-125.0	3.2	0.3	399.6	0.07	99.03
125.0-126.0	3.0	0.3	399.9	0.07	99.09
126.0-127.0	2.8	0.2	400.1	0.06	99.15
127.0-128.0	2.6	0.2	400.3	0.06	99.21
128.0-129.0	2.4	0.2	400.5	0.05	99.26
129.0-130.0	2.3	0.2	400.7	0.05	99.31
130.0-131.0	2.1	0.2	400.9	0.04	99.35
131.0-132.0	2.0	0.2	401.1	0.04	99.40
132.0-133.0	1.9	0.2	401.2	0.04	99.43
133.0-134.0	1.8	0.1	401.4	0.03	99.47
134.0-135.0	1.7	0.1	401.5	0.03	99.50
135.0-136.0	1.6	0.1	401.6	0.03	99.53
136.0-137.0	1.5	0.1	401.7	0.03	99.56
137.0-138.0	1.4	0.1	401.8	0.03	99.59
138.0-139.0	1.4	0.1	401.9	0.02	99.61
139.0-140.0	1.3	0.1	402.0	0.02	99.63
140.0-141.0	1.3	0.1	402.1	0.02	99.66
141.0-142.0	1.2	0.1	402.2	0.02	99.68
142.0-143.0	1.2	0.1	402.3	0.02	99.70
143.0-144.0	1.2	0.1	402.4	0.02	99.72

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.1	0.1	402.4	0.02	99.73
145.0-146.0	1.1	0.1	402.5	0.02	99.75
146.0-147.0	1.1	0.1	402.6	0.02	99.77
147.0-148.0	1.1	0.1	402.6	0.02	99.78
148.0-149.0	1.0	0.1	402.7	0.01	99.80
149.0-150.0	1.0	0.1	402.8	0.01	99.81
150.0-151.0	1.0	0.1	402.8	0.01	99.82
151.0-152.0	1.0	0.1	402.9	0.01	99.84
152.0-153.0	1.0	0.0	402.9	0.01	99.85
153.0-154.0	1.0	0.0	403.0	0.01	99.86
154.0-155.0	1.0	0.0	403.0	0.01	99.87
155.0-156.0	0.9	0.0	403.0	0.01	99.88
156.0-157.0	0.9	0.0	403.1	0.01	99.89
157.0-158.0	0.9	0.0	403.1	0.01	99.90
158.0-159.0	0.9	0.0	403.2	0.01	99.91
159.0-160.0	0.9	0.0	403.2	0.01	99.92
160.0-161.0	0.9	0.0	403.2	0.01	99.93
161.0-162.0	0.9	0.0	403.3	0.01	99.94
162.0-163.0	0.9	0.0	403.3	0.01	99.94
163.0-164.0	0.9	0.0	403.3	0.01	99.95
164.0-165.0	0.9	0.0	403.3	0.01	99.96
165.0-166.0	0.8	0.0	403.4	0.01	99.96
166.0-167.0	0.8	0.0	403.4	0.01	99.97
167.0-168.0	0.8	0.0	403.4	0.00	99.97
168.0-169.0	0.8	0.0	403.4	0.00	99.98
169.0-170.0	0.8	0.0	403.4	0.00	99.98
170.0-171.0	0.8	0.0	403.5	0.00	99.98
171.0-172.0	0.8	0.0	403.5	0.00	99.99
172.0-173.0	0.8	0.0	403.5	0.00	99.99
173.0-174.0	0.8	0.0	403.5	0.00	99.99
174.0-175.0	0.8	0.0	403.5	0.00	100.00
175.0-176.0	0.8	0.0	403.5	0.00	100.00
176.0-177.0	0.8	0.0	403.5	0.00	100.00
177.0-178.0	0.8	0.0	403.5	0.00	100.00
178.0-179.0	0.8	0.0	403.5	0.00	100.00
179.0-180.0	0.8	0.0	403.5	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: