

Report No.:

Test Time: 2023/8/30 16:08

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHAC1C90SWS2203.030

Luminous Length (mm): 500

Luminous Width (mm): 16

Luminous Height (mm): 16

Voltage: 24.0 V

Current: 0.205 A

Power: 4.95 W

Power Factor: 1.000

Photometric Results

CIE Class: Semi-Direct

Total Rated Lamp Lumens: 495.9 lm

Measurement Flux: 495.9 lm

Efficiency: 100%

Downward Ratio: 85%

Upward Ratio: 15%

Horizontal Diffuse Angle(10%,50%): H150.1,H106.6

Vertical Diffuse Angle(10%,50%): V147.6,V121.2

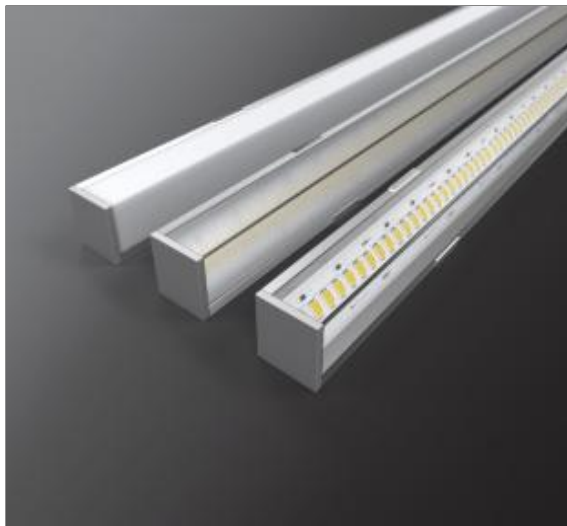
Luminaire Efficacy Rating (LER): 100

Central Intensity: 122.86 cd

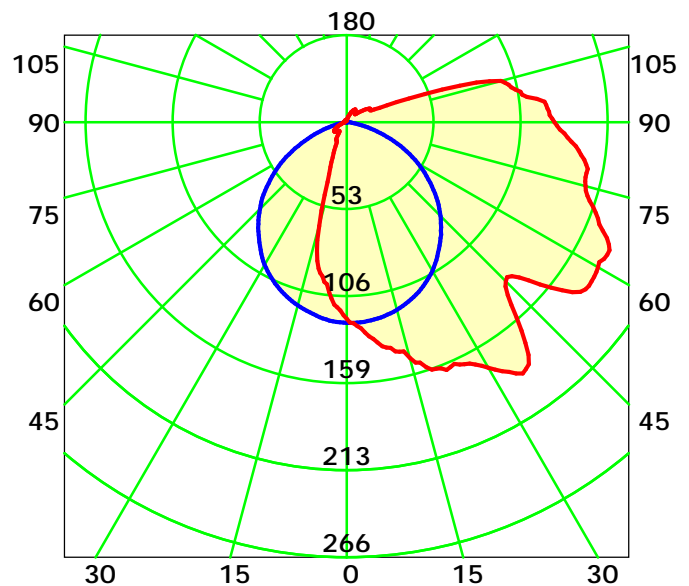
Max. Intensity: 187.93 cd

Pos of Max. Intensity: H90 V35

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 113.9°

— 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

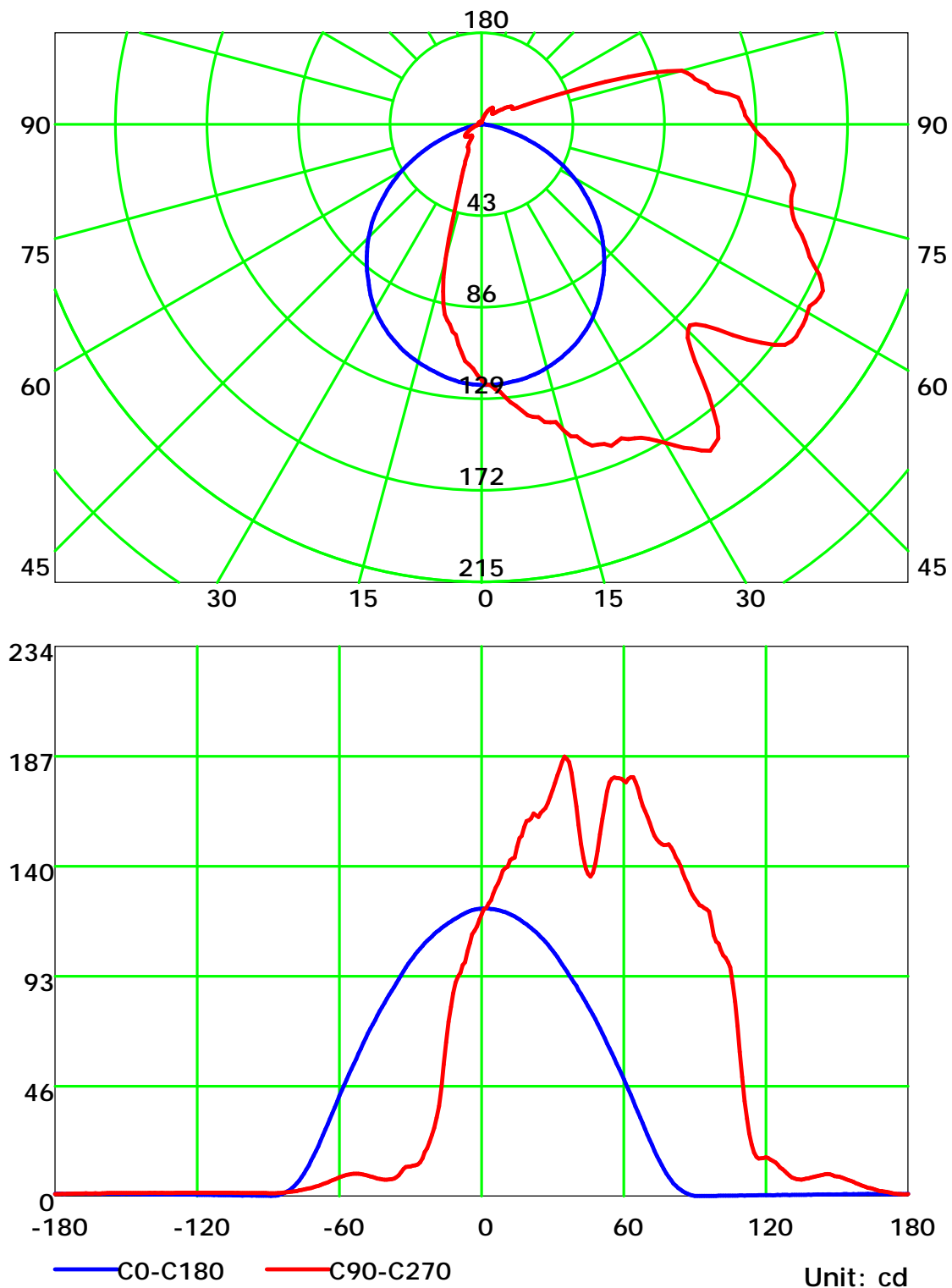
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

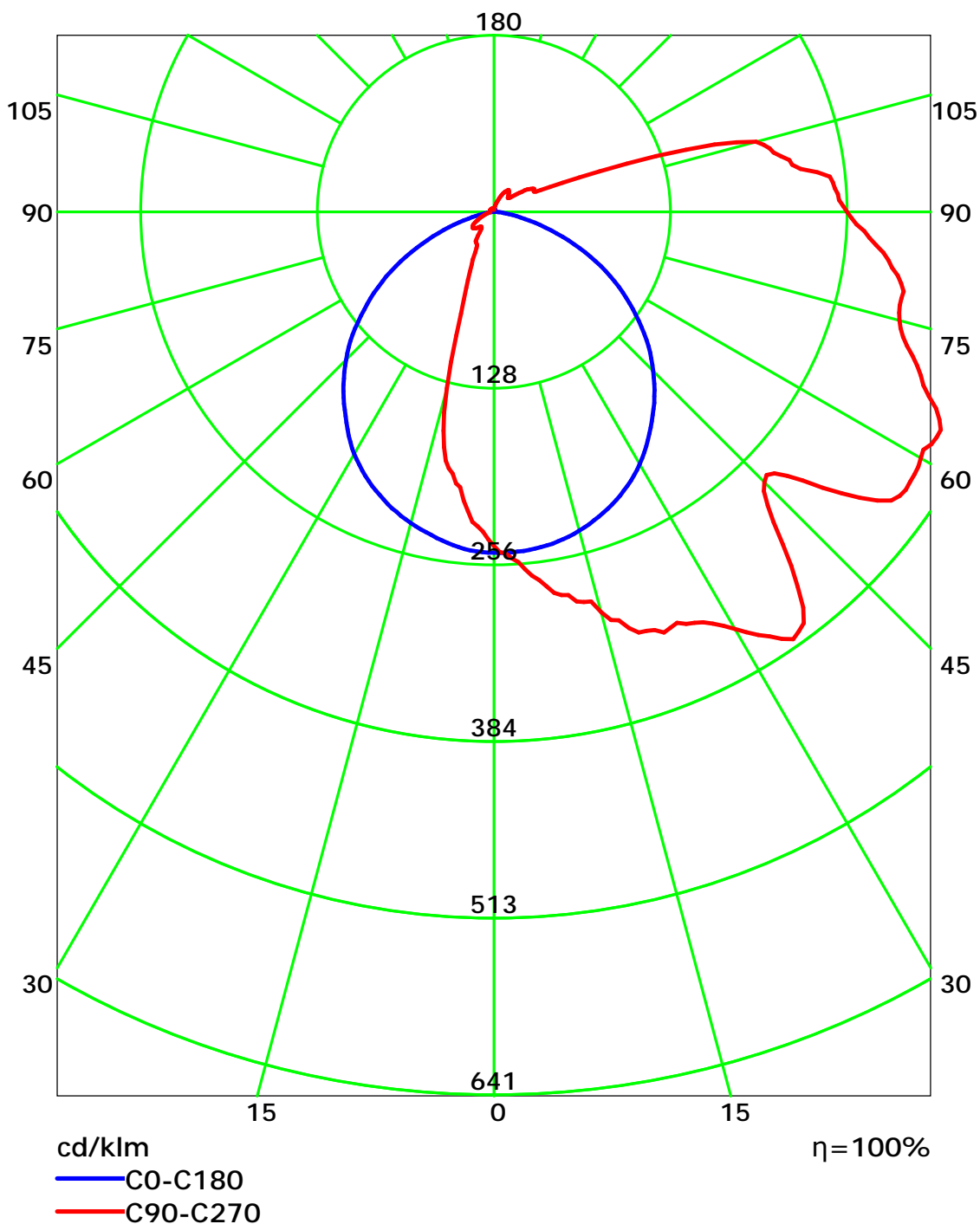
Luminous Intensity Distribution Curve



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:

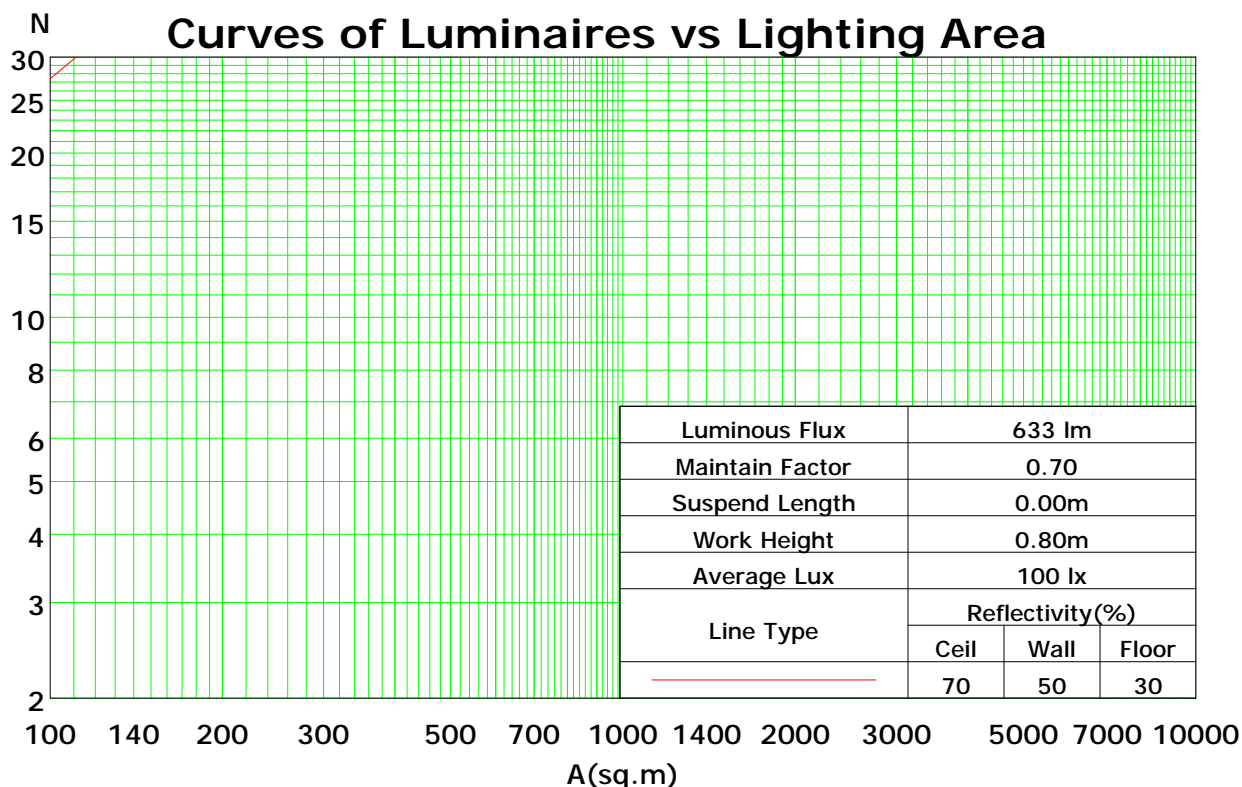
Coefficients Of Utilization - Zonal Cavity Method

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	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	85
1	102	95	90	85	97	91	86	82	84	80	76	78	74	71	72	69	67	63
2	91	81	73	66	87	78	70	64	72	66	60	66	61	57	61	57	53	50
3	82	70	61	54	78	67	59	52	62	55	49	57	51	47	53	48	44	41
4	75	62	52	45	71	59	50	43	55	47	41	51	44	39	47	41	37	34
5	69	55	45	38	65	53	44	37	49	41	35	45	39	33	42	36	32	29
6	63	49	40	33	60	47	38	32	44	36	31	41	34	29	38	32	28	25
7	59	44	35	29	56	43	34	28	40	32	27	37	31	26	35	29	24	22
8	54	40	31	25	52	39	31	25	36	29	24	34	28	23	32	26	22	20
9	51	37	28	23	49	36	28	22	33	26	21	31	25	21	29	24	20	18
10	48	34	26	20	46	33	25	20	31	24	19	29	23	19	27	22	18	16

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.17

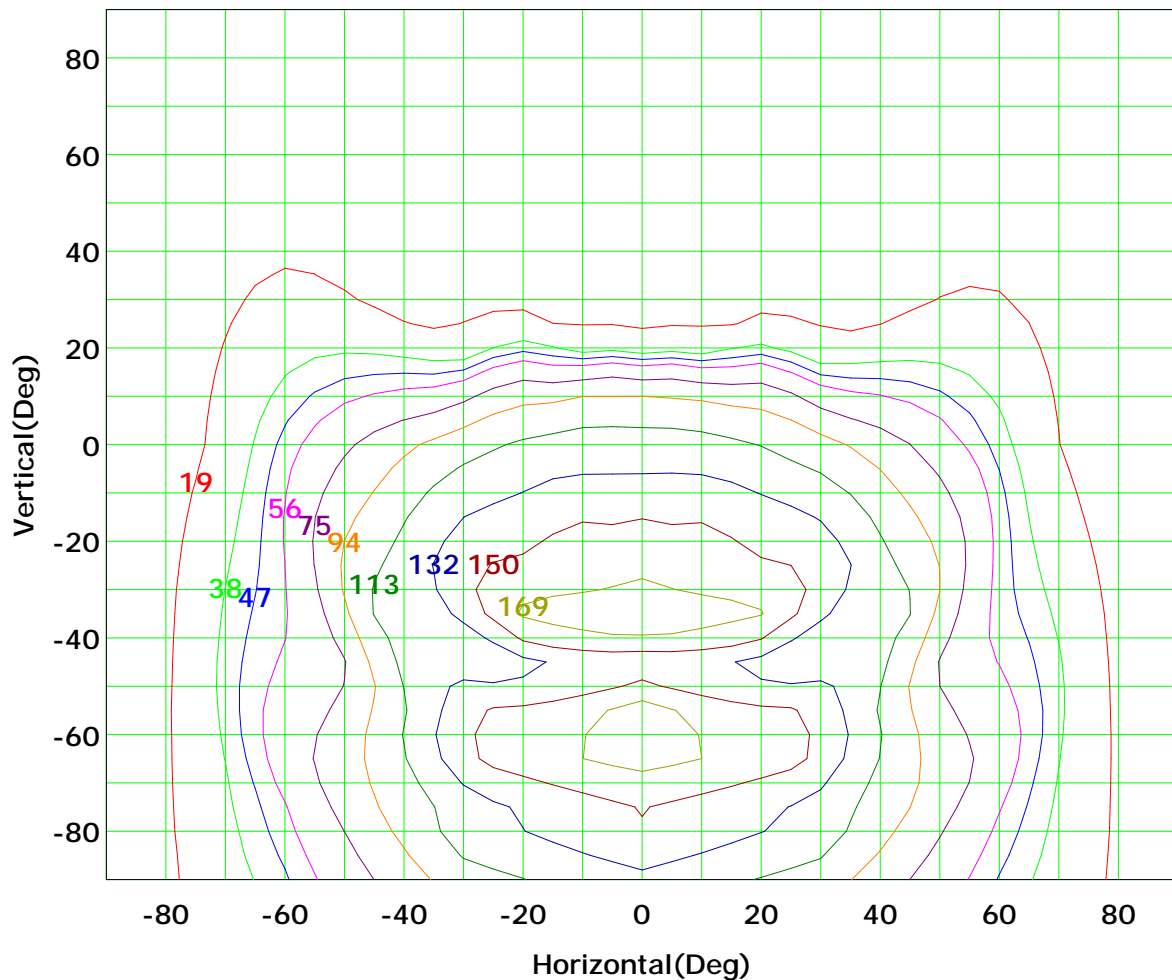
Spacing Criteria (Diagonal): 1.32



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)



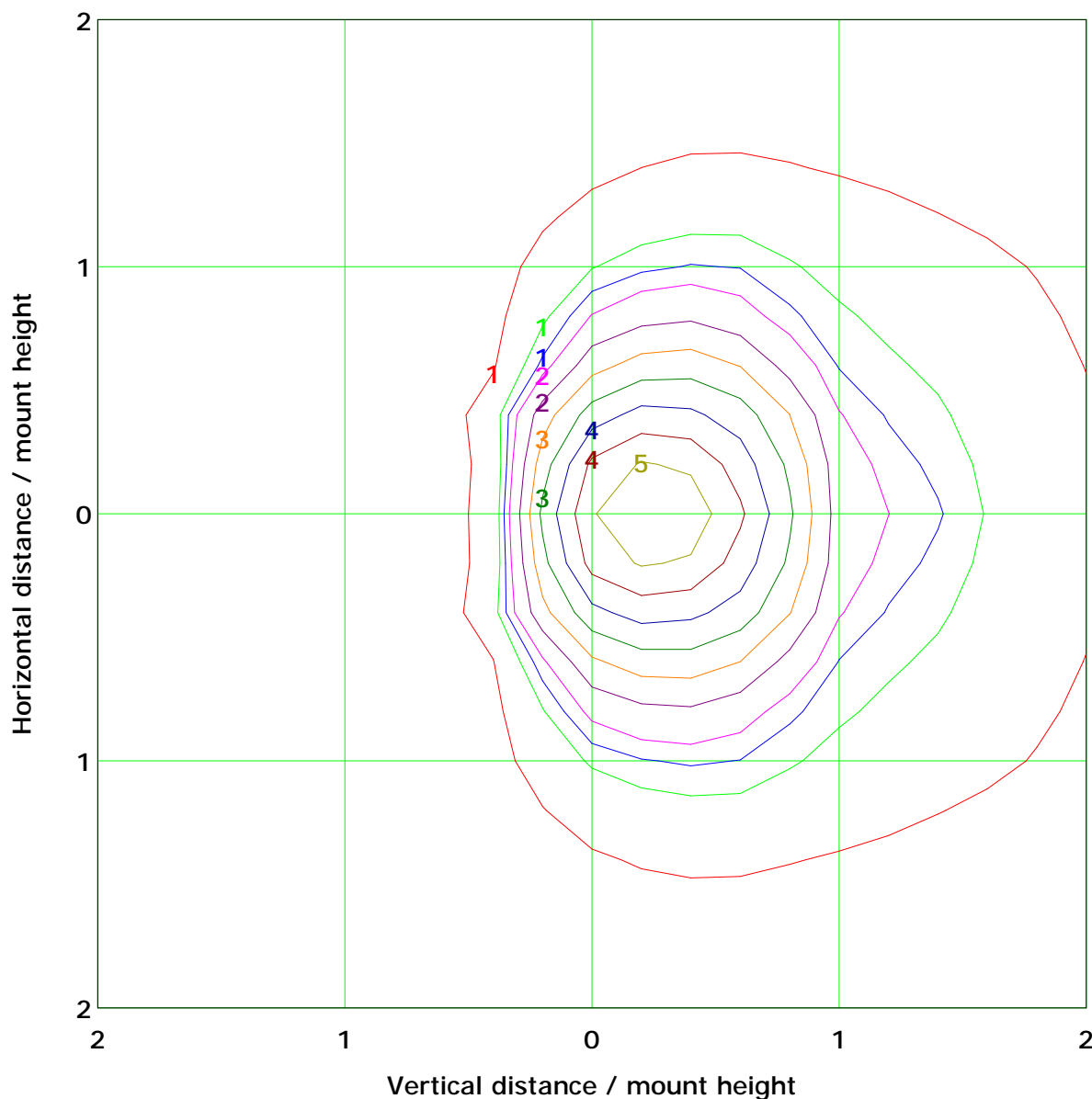
I_{max} (100%): 188 cd

(10%):	19 cd	(20%):	38 cd
(25%):	47 cd	(30%):	56 cd
(40%):	75 cd	(50%):	94 cd
(60%):	113 cd	(70%):	132 cd
(80%):	150 cd	(90%):	169 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%): 5.4 lx

(10%): 0.5 lx	(20%): 1.1 lx
(25%): 1.4 lx	(30%): 1.6 lx
(40%): 2.2 lx	(50%): 2.7 lx
(60%): 3.3 lx	(70%): 3.8 lx
(80%): 4.4 lx	(90%): 4.9 lx

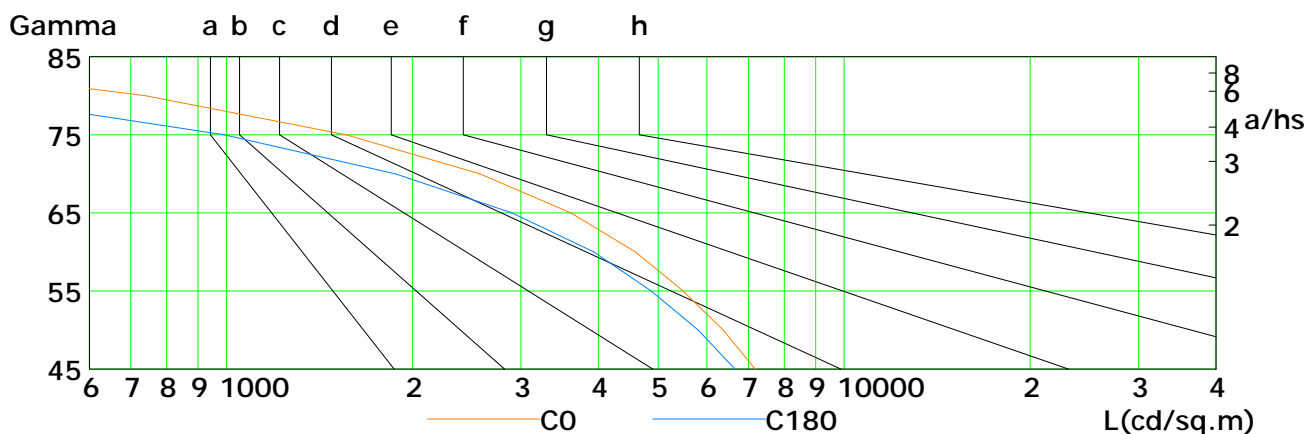
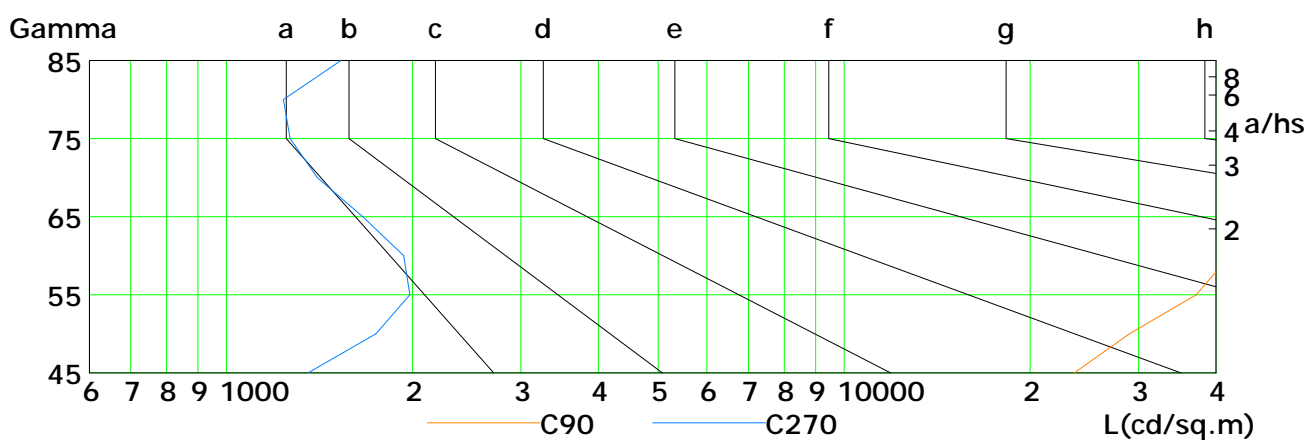
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

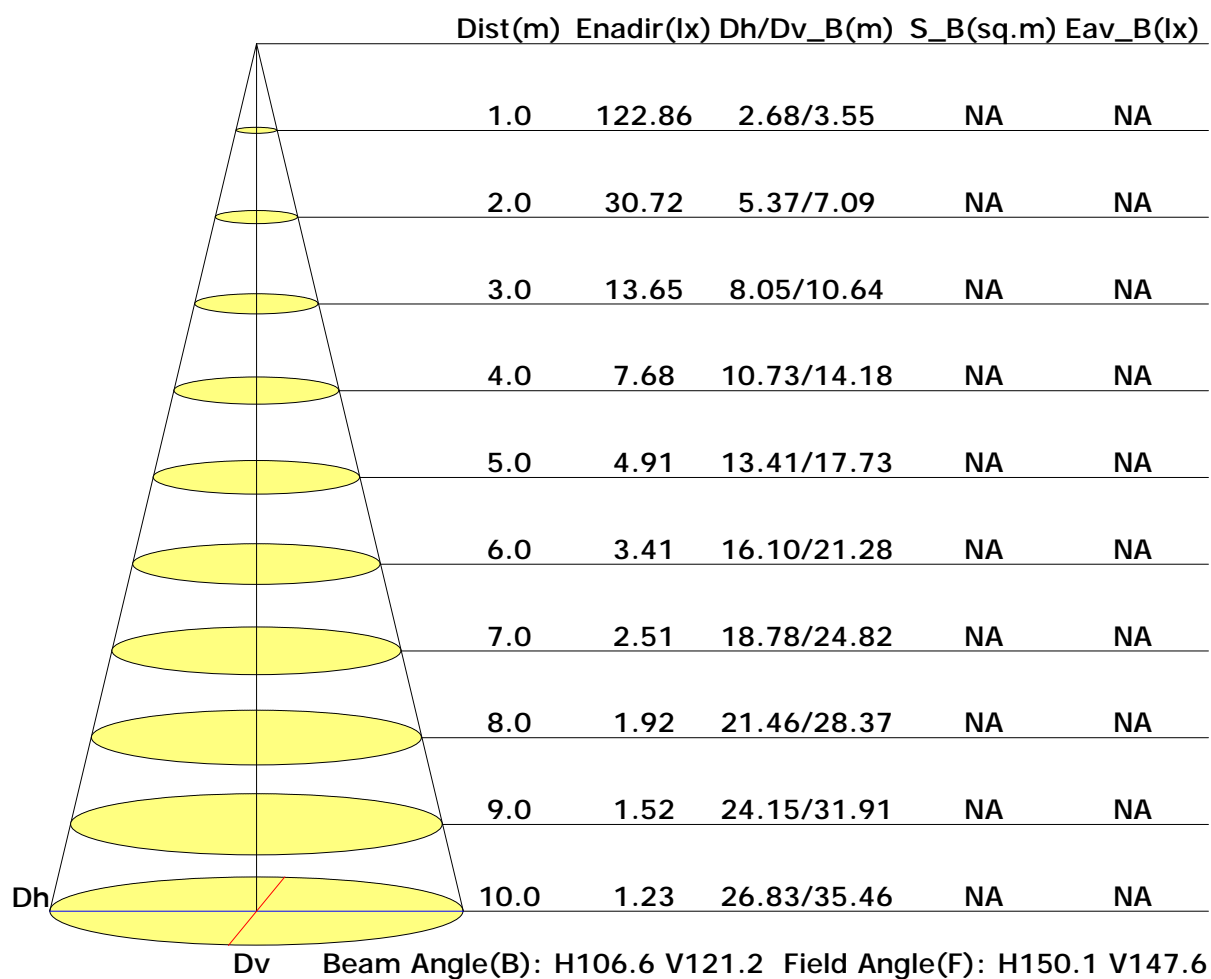


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	7179	6374	5488	4595	3613	2573	1563	740	242
C90	23596	28967	37188	42056	49012	54510	65272	90745	145137
C180	6657	5804	4875	3935	2899	1878	992	383	89
C270	1357	1746	1982	1938	1663	1404	1268	1237	1533

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

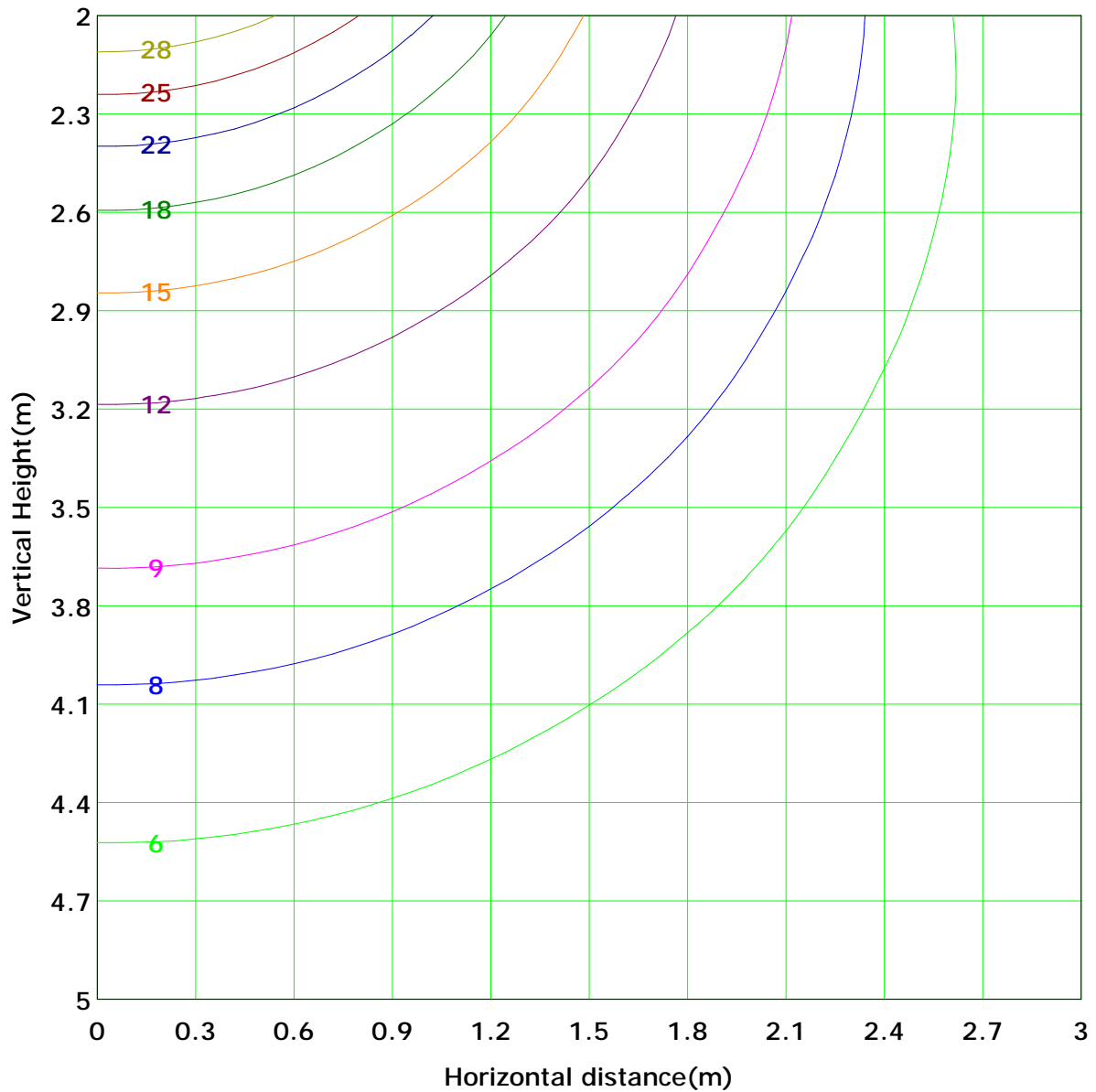
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 30.7 lx
(10%): 3.1 lx	(20%): 6.1 lx	
(25%): 7.7 lx	(30%): 9.2 lx	
(40%): 12.3 lx	(50%): 15.4 lx	
(60%): 18.4 lx	(70%): 21.5 lx	
(80%): 24.6 lx	(90%): 27.6 lx	

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

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

Area Flux Table

Unit: lm

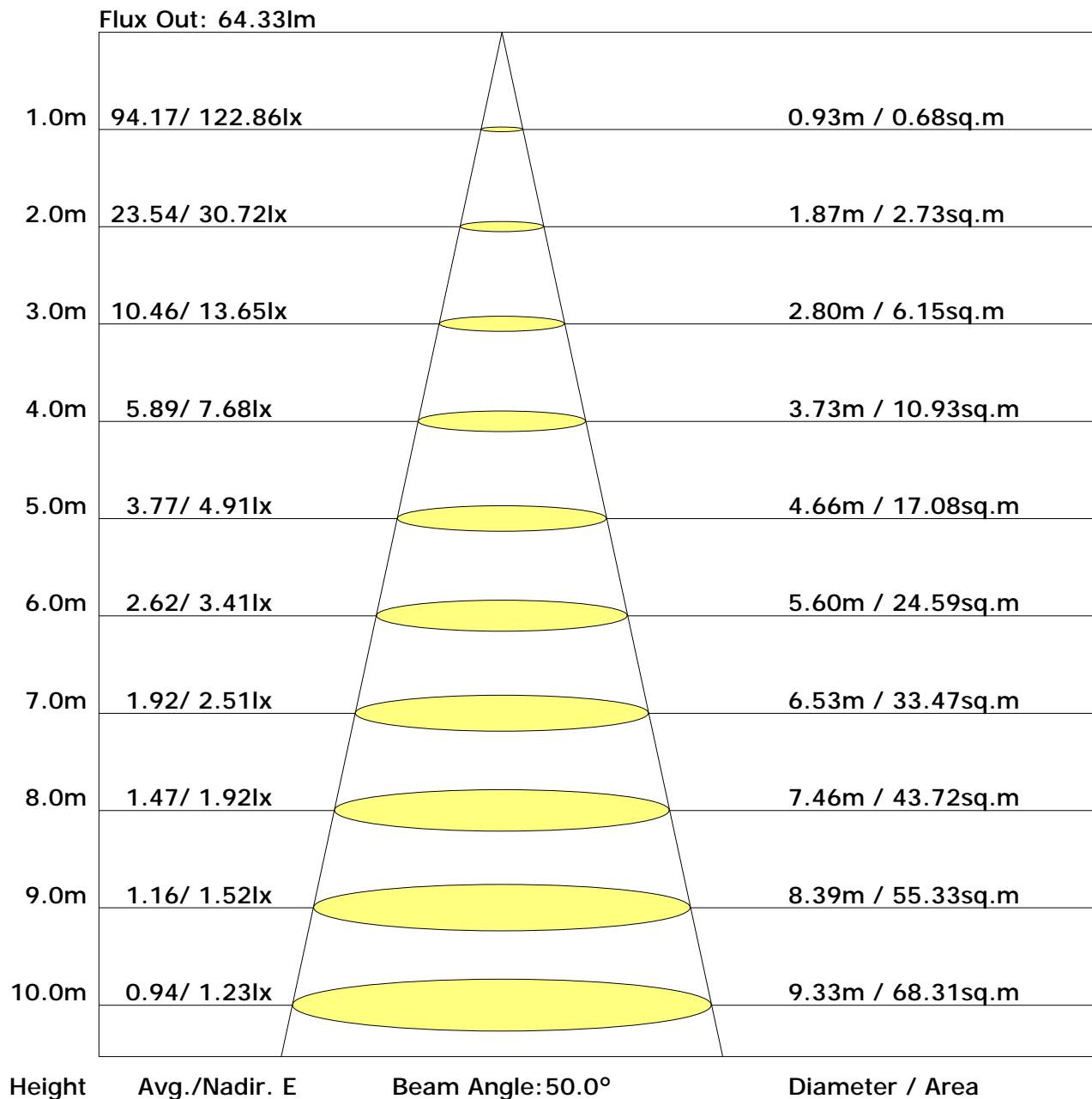
		Vertical plane																		Flux(T)		Flux(E)	
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80				
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.0	1.4	
	-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.7	0.7	6.5	6.0	
	-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	1.1	1.2	1.3	1.2	1.1	1.2	1.2	1.2	13.4	12.7	
	-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.4	1.8	2.1	2.3	2.4	2.1	2.1	2.0	2.0	22.3	21.4	
	-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9	2.6	3.0	3.3	3.1	3.1	3.2	2.9	2.6	31.2	30.1	
	-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.6	3.2	3.7	4.1	4.2	3.5	4.1	3.7	3.3	39.7	38.4	
	-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.0	3.7	4.2	4.6	5.0	4.1	4.6	4.2	3.7	45.4	44.0	
	-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.3	3.9	4.5	4.9	5.4	4.4	5.1	4.2	3.7	48.9	47.4	
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.3	3.9	4.5	4.9	5.4	4.4	5.1	4.2	3.7	49.0	47.6	
	10	0.0	0.1	0.1	0.4	1.1	1.8	2.6	3.2	3.7	4.2	4.5	4.5	4.2	3.7	3.3	3.2	2.7	2.0	1.5	1.0	0.5	0.1
	20	0.0	0.1	0.1	0.5	1.2	2.1	3.0	3.7	4.2	4.5	4.5	4.2	3.7	3.3	3.2	3.0	2.7	2.0	1.5	1.0	0.5	0.1
	30	0.0	0.2	0.2	0.5	1.3	2.3	3.3	4.1	4.6	4.9	4.9	4.6	4.1	3.3	3.2	3.0	2.7	2.0	1.5	1.0	0.5	0.1
	40	0.0	0.2	0.6	1.2	2.4	3.1	4.2	5.0	5.4	5.4	5.0	4.2	3.5	3.1	2.4	2.2	1.9	1.5	1.0	0.5	0.1	0.0
	50	0.0	0.2	0.6	1.1	2.1	3.1	3.5	4.1	4.4	4.4	4.1	3.5	3.1	2.1	1.2	1.3	1.0	0.7	0.4	0.1	0.0	0.0
	60	0.0	0.2	0.7	1.2	2.1	3.2	4.1	4.6	5.1	5.1	4.6	4.1	3.2	2.1	0.7	1.2	0.7	0.2	0.1	0.0	0.0	0.0
	70	0.0	0.2	0.7	1.3	2.1	3.2	4.2	4.8	5.2	5.2	4.8	4.2	3.2	2.1	0.7	1.3	0.7	0.2	0.1	0.0	0.0	0.0
	80	0.0	0.2	0.6	1.2	2.0	2.9	3.7	4.2	4.5	4.5	4.1	3.6	2.8	2.0	0.6	1.2	0.6	0.2	0.1	0.0	0.0	0.0
	90	0.0	0.2	0.5	1.1	1.8	2.6	3.3	3.7	4.1	4.1	3.7	3.3	2.6	1.8	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0
Flux(T)	0.2	2.0	6.5	13.4	22.3	31.2	39.7	45.4	48.9	49.0	45.7	40.1	31.5	22.6	13.9	7.2	2.4	0.3	422				
Flux(E)	0.0	1.4	6.0	12.7	21.4	30.1	38.4	44.0	47.4	47.6	44.3	38.8	30.4	21.8	13.3	6.7	1.8	0.0		406			

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	20.7	22.1	21.3	22.7	23.4	25.7	27.1	26.3	27.7	28.4
3H	22.2	23.5	22.8	24.1	24.8	28.5	29.9	29.1	30.5	31.2
4H	22.8	24.1	23.4	24.7	25.4	29.7	31.0	30.3	31.6	32.3
6H	23.2	24.3	23.8	25.0	25.7	31.0	32.2	31.6	32.8	33.5
8H	23.2	24.4	23.9	25.0	25.8	31.6	32.7	32.2	33.3	34.1
12H	23.3	24.4	23.9	25.0	25.8	32.1	33.2	32.8	33.9	34.6
X=4H Y=2H	21.8	23.1	22.4	23.7	24.4	26.2	27.4	26.8	28.0	28.8
3H	23.6	24.7	24.2	25.4	26.1	29.4	30.5	30.0	31.1	31.9
4H	24.5	25.5	25.1	26.1	26.9	30.8	31.8	31.4	32.4	33.2
6H	25.1	26.0	25.8	26.7	27.5	32.2	33.1	32.8	33.8	34.5
8H	25.3	26.1	25.9	26.8	27.6	32.9	33.8	33.6	34.4	35.2
12H	25.4	26.2	26.1	26.9	27.7	33.6	34.4	34.3	35.1	35.9
X=8H Y=4H	25.6	26.4	26.2	27.1	27.9	31.1	31.9	31.7	32.6	33.4
6H	26.5	27.3	27.2	28.0	28.8	32.8	33.5	33.5	34.2	35.0
8H	26.9	27.5	27.6	28.3	29.1	33.6	34.3	34.3	35.0	35.8
12H	27.2	27.8	27.9	28.5	29.3	34.5	35.1	35.2	35.8	36.7
X=12H Y=4H	25.9	26.7	26.6	27.4	28.1	31.1	31.9	31.8	32.6	33.4
6H	27.0	27.7	27.7	28.3	29.2	32.9	33.5	33.6	34.2	35.1
8H	27.5	28.1	28.2	28.8	29.6	33.8	34.4	34.5	35.2	36.0

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 = 1.25									
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	0.47	0.56	0.63	0.68	0.75	0.80	0.84	0.89	0.93	
	0.30		0.38	0.47	0.54	0.60	0.68	0.73	0.78	0.84	0.88	
	0.20		0.32	0.41	0.48	0.53	0.61	0.67	0.72	0.79	0.83	
0.50	0.50	0.20	0.44	0.52	0.58	0.63	0.70	0.74	0.78	0.83	0.86	
	0.30		0.36	0.45	0.51	0.56	0.63	0.69	0.72	0.78	0.82	
	0.20		0.31	0.39	0.45	0.50	0.58	0.64	0.68	0.74	0.78	
0.30	0.50	0.20	0.41	0.49	0.54	0.58	0.64	0.69	0.72	0.76	0.79	
	0.30		0.35	0.42	0.48	0.53	0.59	0.64	0.68	0.73	0.76	
	0.20		0.30	0.37	0.43	0.48	0.55	0.60	0.64	0.69	0.73	
0.00	0.00	0.00	0.26	0.33	0.38	0.42	0.49	0.53	0.57	0.62	0.65	
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 = 1.25								
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	1.07	0.91	0.80	0.71	0.59	0.51	0.44	0.36	0.30
	0.30		0.89	0.78	0.70	0.63	0.54	0.46	0.41	0.34	0.29
	0.20		0.76	0.68	0.62	0.57	0.49	0.43	0.38	0.32	0.27
0.50	0.50	0.20	1.00	0.85	0.75	0.67	0.55	0.50	0.42	0.34	0.28
	0.30		0.85	0.74	0.66	0.60	0.51	0.44	0.39	0.32	0.27
	0.20		0.73	0.65	0.59	0.54	0.47	0.41	0.37	0.30	0.26
0.30	0.50	0.20	0.94	0.80	0.70	0.63	0.52	0.44	0.39	0.32	0.27
	0.30		0.80	0.70	0.63	0.57	0.48	0.42	0.37	0.30	0.26
	0.20		0.70	0.63	0.57	0.52	0.45	0.39	0.35	0.29	0.25
0.00	0.00	0.00	0.59	0.52	0.47	0.43	0.37	0.32	0.29	0.24	0.20
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 = 1.25								
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	0.32	0.33	0.34	0.35	0.36	0.36	0.36	0.37	0.37
	0.30		0.24	0.26	0.27	0.28	0.30	0.31	0.31	0.33	0.33
	0.20		0.19	0.21	0.22	0.23	0.25	0.26	0.27	0.29	0.30
0.50	0.50	0.20	0.31	0.32	0.33	0.33	0.34	0.35	0.35	0.35	0.35
	0.30		0.24	0.25	0.26	0.27	0.29	0.30	0.30	0.31	0.32
	0.20		0.19	0.20	0.21	0.23	0.24	0.26	0.27	0.28	0.29
0.30	0.50	0.20	0.30	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.34
	0.30		0.23	0.25	0.26	0.27	0.28	0.29	0.29	0.30	0.31
	0.20		0.19	0.20	0.21	0.22	0.24	0.25	0.26	0.27	0.28
0.00	0.00	0.00	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
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	121.5	0.1	0.1	0.02	0.02
1.0-2.0	121.1	0.3	0.5	0.07	0.09
2.0-3.0	120.6	0.6	1.0	0.12	0.21
3.0-4.0	120.5	0.8	1.8	0.16	0.37
4.0-5.0	120.3	1.0	2.9	0.21	0.58
5.0-6.0	119.9	1.3	4.1	0.25	0.84
6.0-7.0	119.4	1.5	5.6	0.30	1.13
7.0-8.0	118.9	1.7	7.3	0.34	1.48
8.0-9.0	118.7	1.9	9.3	0.39	1.87
9.0-10.0	118.6	2.1	11.4	0.43	2.30
10.0-11.0	118.1	2.4	13.8	0.48	2.77
11.0-12.0	117.4	2.6	16.3	0.52	3.29
12.0-13.0	116.5	2.8	19.1	0.56	3.85
13.0-14.0	115.3	3.0	22.0	0.60	4.44
14.0-15.0	113.9	3.1	25.2	0.63	5.08
15.0-16.0	112.3	3.3	28.5	0.66	5.74
16.0-17.0	110.7	3.4	31.9	0.70	6.43
17.0-18.0	109.0	3.6	35.5	0.73	7.16
18.0-19.0	107.2	3.7	39.2	0.75	7.91
19.0-20.0	105.2	3.9	43.1	0.78	8.69
20.0-21.0	103.6	4.0	47.1	0.80	9.49
21.0-22.0	102.6	4.1	51.2	0.83	10.32
22.0-23.0	101.5	4.3	55.4	0.86	11.18
23.0-24.0	100.2	4.4	59.8	0.88	12.07
24.0-25.0	98.9	4.5	64.3	0.91	12.97
25.0-26.0	97.6	4.6	68.9	0.93	13.90
26.0-27.0	96.3	4.7	73.7	0.95	14.85
27.0-28.0	95.2	4.8	78.5	0.97	15.82
28.0-29.0	94.4	4.9	83.4	1.00	16.82
29.0-30.0	93.6	5.1	88.5	1.02	17.84
30.0-31.0	92.6	5.2	93.6	1.04	18.88
31.0-32.0	91.8	5.3	98.9	1.06	19.94
32.0-33.0	91.2	5.4	104.3	1.08	21.02
33.0-34.0	90.7	5.5	109.7	1.11	22.13
34.0-35.0	90.3	5.6	115.4	1.13	23.26
35.0-36.0	89.7	5.7	121.1	1.15	24.41

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	89.0	5.8	126.9	1.17	25.59
37.0-38.0	88.0	5.9	132.8	1.19	26.77
38.0-39.0	86.8	5.9	138.7	1.20	27.97
39.0-40.0	85.4	6.0	144.6	1.20	29.17
40.0-41.0	83.6	6.0	150.6	1.20	30.37
41.0-42.0	81.6	5.9	156.5	1.20	31.56
42.0-43.0	79.4	5.9	162.4	1.19	32.75
43.0-44.0	77.1	5.8	168.2	1.17	33.92
44.0-45.0	74.7	5.7	174.0	1.16	35.08
45.0-46.0	72.5	5.7	179.6	1.14	36.23
46.0-47.0	70.9	5.6	185.3	1.14	37.36
47.0-48.0	69.7	5.6	190.9	1.14	38.50
48.0-49.0	69.0	5.7	196.6	1.14	39.64
49.0-50.0	68.6	5.7	202.3	1.15	40.80
50.0-51.0	68.5	5.8	208.1	1.17	41.97
51.0-52.0	68.9	5.9	214.0	1.19	43.16
52.0-53.0	69.4	6.0	220.1	1.22	44.38
53.0-54.0	69.8	6.1	226.2	1.24	45.62
54.0-55.0	69.9	6.2	232.4	1.26	46.87
55.0-56.0	69.8	6.3	238.8	1.27	48.15
56.0-57.0	69.4	6.3	245.1	1.28	49.43
57.0-58.0	68.9	6.4	251.5	1.28	50.71
58.0-59.0	68.1	6.4	257.8	1.28	51.99
59.0-60.0	67.0	6.3	264.2	1.28	53.27
60.0-61.0	65.7	6.3	270.4	1.27	54.54
61.0-62.0	64.5	6.2	276.7	1.25	55.79
62.0-63.0	63.4	6.2	282.8	1.24	57.03
63.0-64.0	62.5	6.1	289.0	1.24	58.27
64.0-65.0	61.6	6.1	295.1	1.23	59.50
65.0-66.0	60.8	6.1	301.1	1.22	60.72
66.0-67.0	59.9	6.0	307.1	1.21	61.94
67.0-68.0	58.7	5.9	313.1	1.20	63.14
68.0-69.0	57.5	5.9	319.0	1.18	64.32
69.0-70.0	56.4	5.8	324.7	1.17	65.49
70.0-71.0	55.3	5.7	330.5	1.15	66.64
71.0-72.0	54.0	5.6	336.1	1.13	67.77

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	52.8	5.5	341.6	1.11	68.89
73.0-74.0	51.6	5.4	347.0	1.09	69.98
74.0-75.0	50.5	5.3	352.4	1.08	71.05
75.0-76.0	49.6	5.3	357.6	1.06	72.12
76.0-77.0	48.6	5.2	362.8	1.05	73.16
77.0-78.0	47.7	5.1	367.9	1.03	74.19
78.0-79.0	47.0	5.0	373.0	1.02	75.21
79.0-80.0	46.2	5.0	377.9	1.00	76.21
80.0-81.0	45.3	4.9	382.8	0.99	77.20
81.0-82.0	44.1	4.8	387.6	0.97	78.17
82.0-83.0	43.0	4.7	392.3	0.94	79.11
83.0-84.0	42.0	4.6	396.9	0.92	80.03
84.0-85.0	41.0	4.5	401.3	0.90	80.94
85.0-86.0	40.0	4.4	405.7	0.88	81.82
86.0-87.0	39.0	4.3	410.0	0.86	82.68
87.0-88.0	38.1	4.2	414.2	0.84	83.52
88.0-89.0	37.2	4.1	418.2	0.82	84.34
89.0-90.0	36.4	4.0	422.2	0.81	85.15
90.0-91.0	35.8	3.9	426.2	0.79	85.94
91.0-92.0	35.1	3.9	430.0	0.78	86.71
92.0-93.0	34.7	3.8	433.8	0.77	87.48
93.0-94.0	34.2	3.7	437.5	0.75	88.24
94.0-95.0	33.6	3.7	441.2	0.74	88.98
95.0-96.0	32.8	3.6	444.8	0.72	89.70
96.0-97.0	31.5	3.4	448.2	0.69	90.39
97.0-98.0	29.7	3.2	451.5	0.65	91.04
98.0-99.0	28.2	3.1	454.5	0.62	91.66
99.0-100.0	27.2	2.9	457.5	0.59	92.25
100.0-101.0	26.2	2.8	460.3	0.57	92.82
101.0-102.0	25.1	2.7	463.0	0.54	93.36
102.0-103.0	24.3	2.6	465.6	0.52	93.89
103.0-104.0	23.3	2.5	468.1	0.50	94.39
104.0-105.0	21.8	2.3	470.4	0.47	94.86
105.0-106.0	19.8	2.1	472.5	0.42	95.28
106.0-107.0	17.5	1.8	474.3	0.37	95.65
107.0-108.0	15.2	1.6	475.9	0.32	95.97

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	13.0	1.4	477.3	0.27	96.24
109.0-110.0	11.1	1.1	478.4	0.23	96.47
110.0-111.0	9.4	1.0	479.4	0.20	96.67
111.0-112.0	8.1	0.8	480.2	0.17	96.83
112.0-113.0	7.1	0.7	480.9	0.14	96.98
113.0-114.0	6.3	0.6	481.5	0.13	97.11
114.0-115.0	5.8	0.6	482.1	0.12	97.23
115.0-116.0	5.6	0.6	482.7	0.11	97.34
116.0-117.0	5.5	0.5	483.2	0.11	97.45
117.0-118.0	5.5	0.5	483.8	0.11	97.55
118.0-119.0	5.5	0.5	484.3	0.11	97.66
119.0-120.0	5.5	0.5	484.8	0.11	97.77
120.0-121.0	5.4	0.5	485.3	0.10	97.87
121.0-122.0	5.3	0.5	485.8	0.10	97.97
122.0-123.0	5.1	0.5	486.3	0.10	98.07
123.0-124.0	5.0	0.5	486.8	0.09	98.16
124.0-125.0	4.8	0.4	487.2	0.09	98.25
125.0-126.0	4.6	0.4	487.6	0.08	98.33
126.0-127.0	4.4	0.4	488.0	0.08	98.41
127.0-128.0	4.3	0.4	488.4	0.07	98.48
128.0-129.0	4.1	0.4	488.7	0.07	98.56
129.0-130.0	3.9	0.3	489.1	0.07	98.62
130.0-131.0	3.8	0.3	489.4	0.06	98.69
131.0-132.0	3.7	0.3	489.7	0.06	98.75
132.0-133.0	3.7	0.3	490.0	0.06	98.81
133.0-134.0	3.6	0.3	490.3	0.06	98.87
134.0-135.0	3.6	0.3	490.5	0.06	98.92
135.0-136.0	3.6	0.3	490.8	0.06	98.98
136.0-137.0	3.6	0.3	491.1	0.05	99.03
137.0-138.0	3.6	0.3	491.4	0.05	99.09
138.0-139.0	3.6	0.3	491.6	0.05	99.14
139.0-140.0	3.7	0.3	491.9	0.05	99.19
140.0-141.0	3.7	0.3	492.1	0.05	99.25
141.0-142.0	3.7	0.3	492.4	0.05	99.30
142.0-143.0	3.7	0.2	492.6	0.05	99.35
143.0-144.0	3.6	0.2	492.9	0.05	99.39

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	3.6	0.2	493.1	0.05	99.44
145.0-146.0	3.5	0.2	493.3	0.04	99.48
146.0-147.0	3.5	0.2	493.5	0.04	99.53
147.0-148.0	3.4	0.2	493.7	0.04	99.57
148.0-149.0	3.3	0.2	493.9	0.04	99.60
149.0-150.0	3.2	0.2	494.1	0.04	99.64
150.0-151.0	3.1	0.2	494.3	0.03	99.67
151.0-152.0	3.0	0.2	494.4	0.03	99.70
152.0-153.0	2.9	0.1	494.6	0.03	99.73
153.0-154.0	2.8	0.1	494.7	0.03	99.76
154.0-155.0	2.7	0.1	494.8	0.03	99.79
155.0-156.0	2.5	0.1	494.9	0.02	99.81
156.0-157.0	2.4	0.1	495.0	0.02	99.83
157.0-158.0	2.3	0.1	495.1	0.02	99.85
158.0-159.0	2.2	0.1	495.2	0.02	99.87
159.0-160.0	2.1	0.1	495.3	0.02	99.88
160.0-161.0	2.0	0.1	495.4	0.01	99.90
161.0-162.0	1.9	0.1	495.4	0.01	99.91
162.0-163.0	1.8	0.1	495.5	0.01	99.92
163.0-164.0	1.7	0.1	495.6	0.01	99.93
164.0-165.0	1.6	0.0	495.6	0.01	99.94
165.0-166.0	1.6	0.0	495.7	0.01	99.95
166.0-167.0	1.5	0.0	495.7	0.01	99.96
167.0-168.0	1.4	0.0	495.7	0.01	99.97
168.0-169.0	1.4	0.0	495.8	0.01	99.97
169.0-170.0	1.3	0.0	495.8	0.01	99.98
170.0-171.0	1.3	0.0	495.8	0.00	99.98
171.0-172.0	1.2	0.0	495.8	0.00	99.99
172.0-173.0	1.2	0.0	495.8	0.00	99.99
173.0-174.0	1.1	0.0	495.9	0.00	99.99
174.0-175.0	1.1	0.0	495.9	0.00	100.00
175.0-176.0	1.0	0.0	495.9	0.00	100.00
176.0-177.0	1.0	0.0	495.9	0.00	100.00
177.0-178.0	1.0	0.0	495.9	0.00	100.00
178.0-179.0	1.0	0.0	495.9	0.00	100.00
179.0-180.0	1.0	0.0	495.9	0.00	100.00

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

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