

Report No.:

Test Time: 2023/4/23 10:46

Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: RIBBONLYTE
Luminaire Description: RB90SWX675.830A45
Lamp Catalog: 3000k
Luminous Width (mm): 20.5
Voltage: 24.0 V
Power: 6.25 W

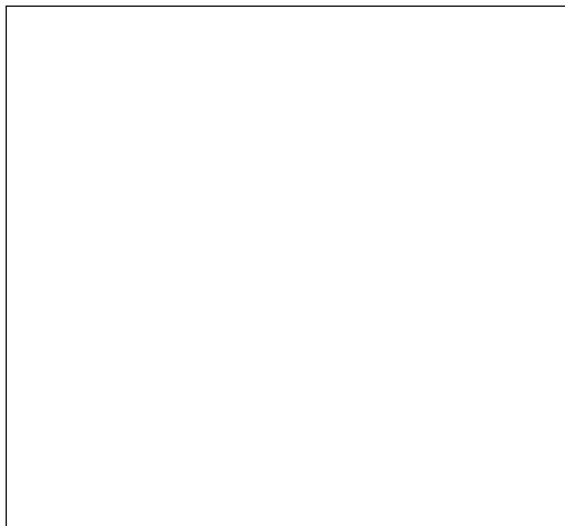
Luminous Length (mm): 320
Luminous Height (mm): 14
Current: 0.261 A
Power Factor: 1.000

Photometric Results

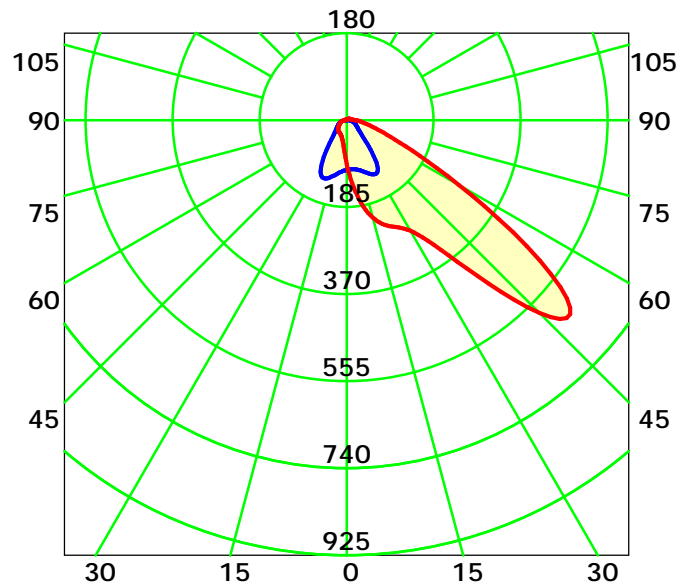
CIE Class: Direct
Measurement Flux: 485.1 lm
Downward Ratio: 96%
Horizontal Diffuse Angle(10%,50%): H152.3,H77.1
Vertical Diffuse Angle(10%,50%): V153.6,V69.5
Luminaire Efficacy Rating (LER): 78
Max. Intensity: 629.52 cd

Total Rated Lamp Lumens: 485.1 lm
Efficiency: 100%
Upward Ratio: 4%
Central Intensity: 106.11 cd
Pos of Max. Intensity: H90 V49

Picture Of Luminaire



Luminous Intensity Distribution Curve



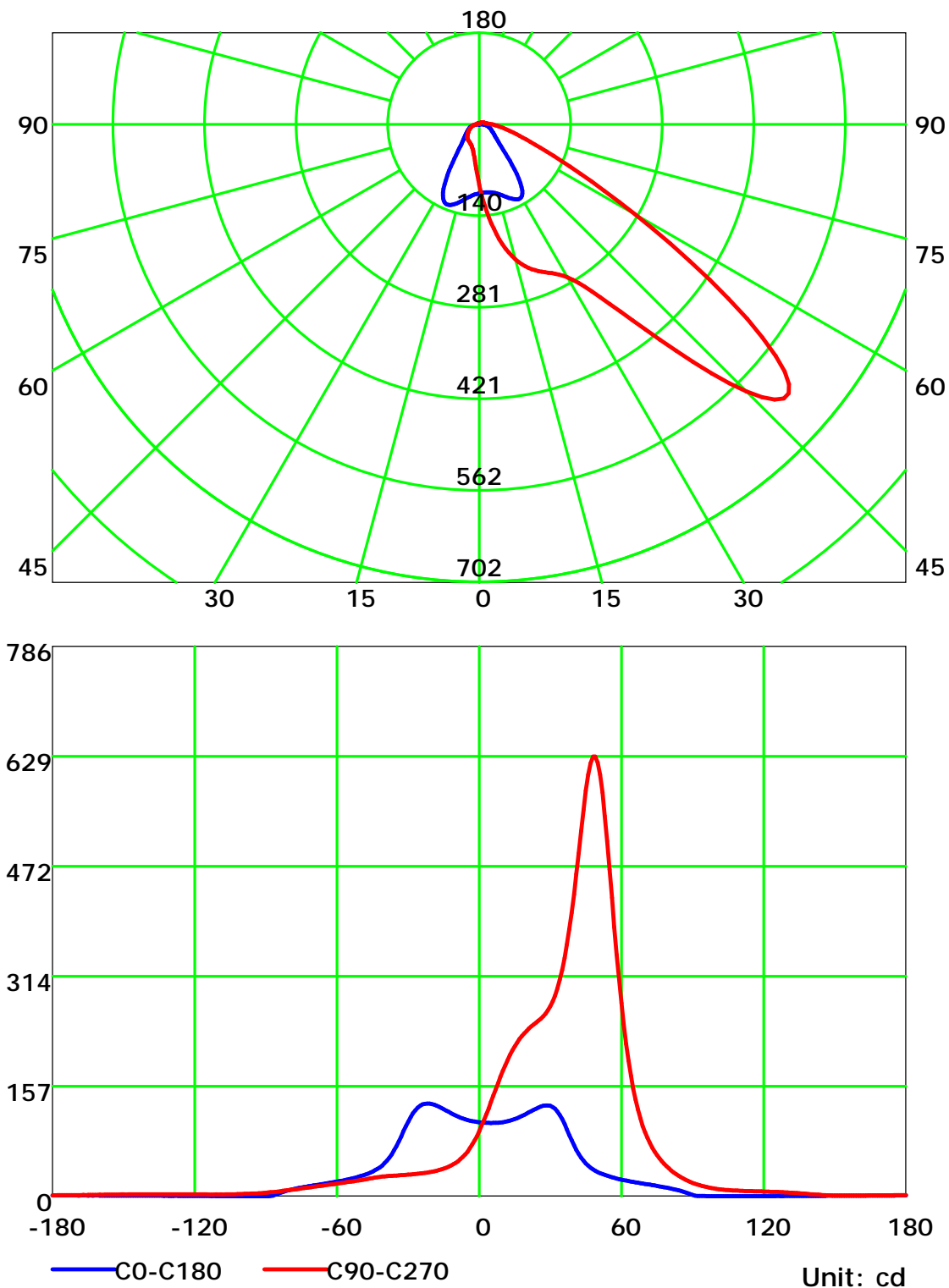
Average Diffuse Angle(50%): 73.3° Unit: cd

— 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:

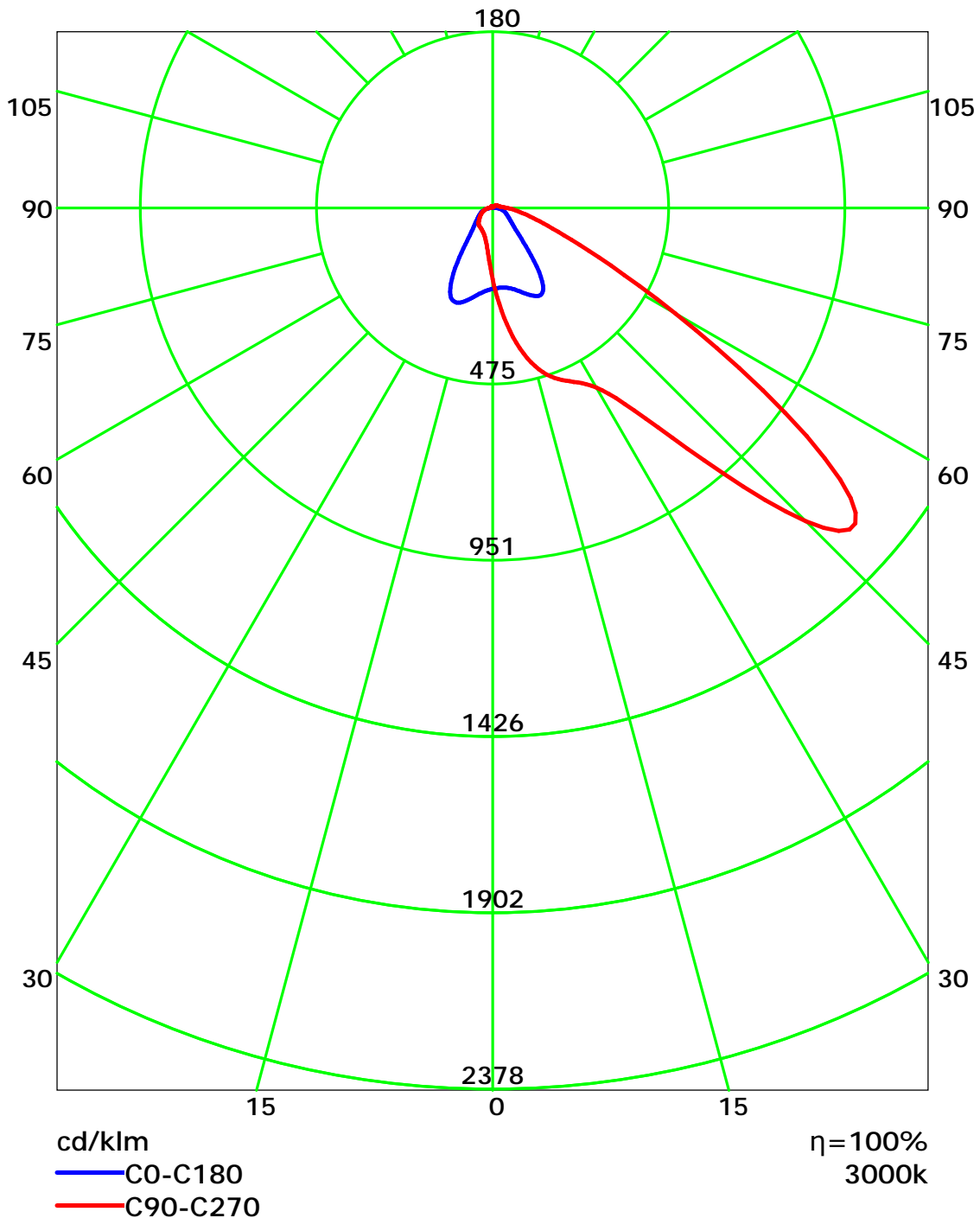
Luminous Intensity Distribution Curve



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:

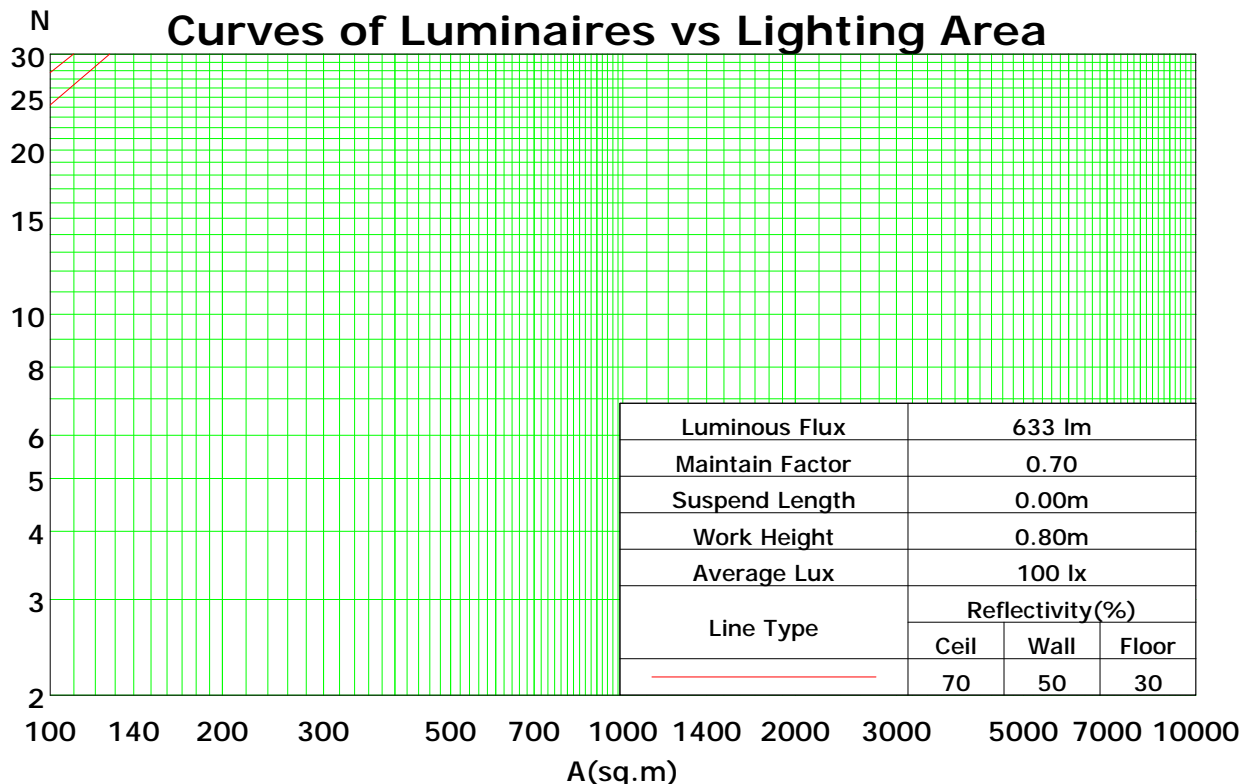
Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	108	103	99	95	105	101	97	93	96	93	90	91	89	86	87	85	83	81
2	98	90	84	78	96	88	82	77	84	79	75	80	76	72	77	73	70	68
3	90	79	71	65	87	78	70	64	74	68	63	71	65	61	68	63	60	57
4	82	70	62	55	80	69	61	54	66	59	53	63	57	52	60	55	51	49
5	75	62	54	47	73	61	53	46	59	51	46	56	50	45	54	48	44	42
6	69	56	47	41	67	55	46	40	53	45	40	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	59	46	37	31	57	45	37	31	43	36	31	42	35	30	40	34	30	28
9	55	42	33	28	54	41	33	28	39	32	27	38	32	27	37	31	27	25
10	51	38	30	25	50	37	30	25	36	29	24	35	29	24	34	28	24	22

Spacing Criteria (0-180): 1.37

Spacing Criteria (90-270): 2.85

Spacing Criteria (Diagonal): 1.71



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

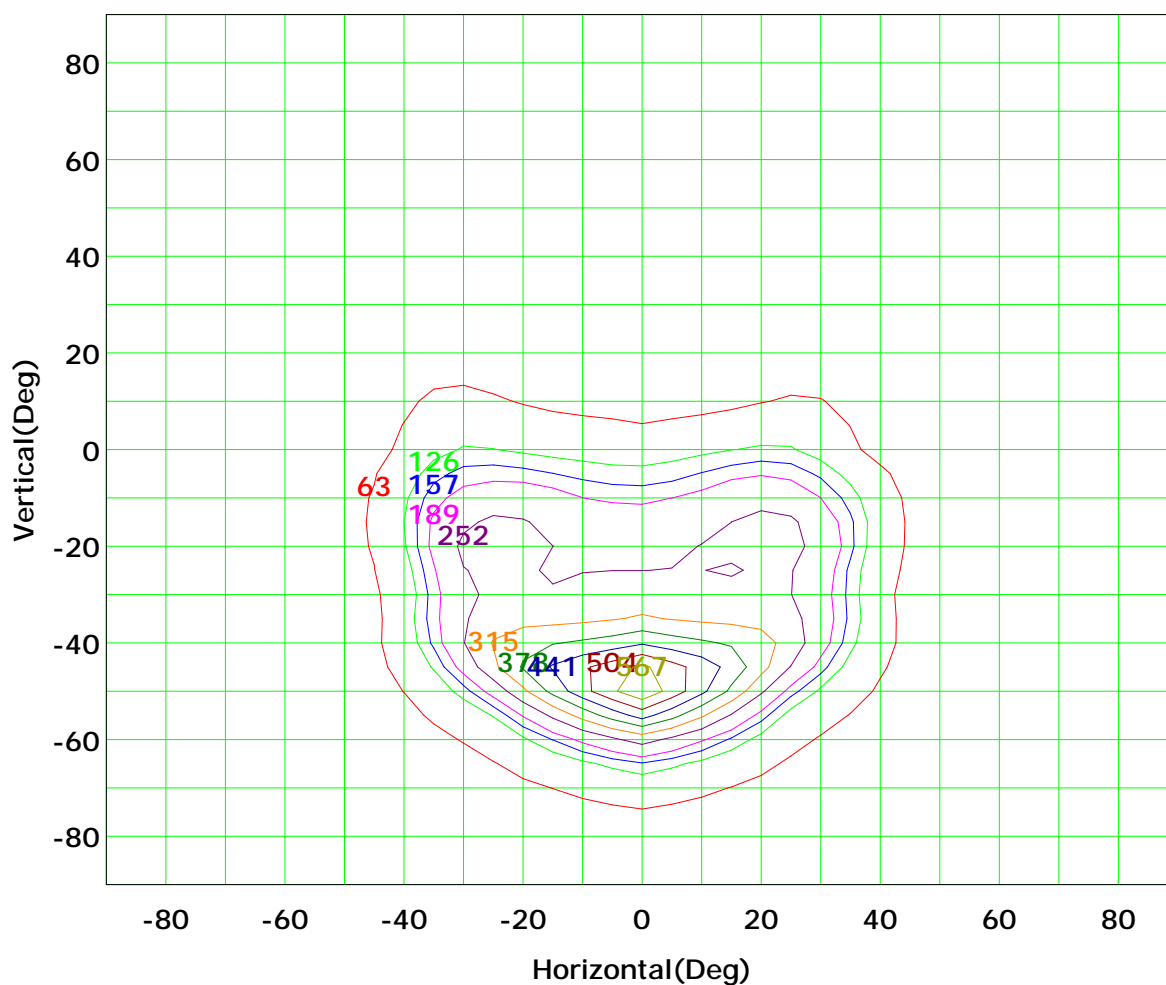
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



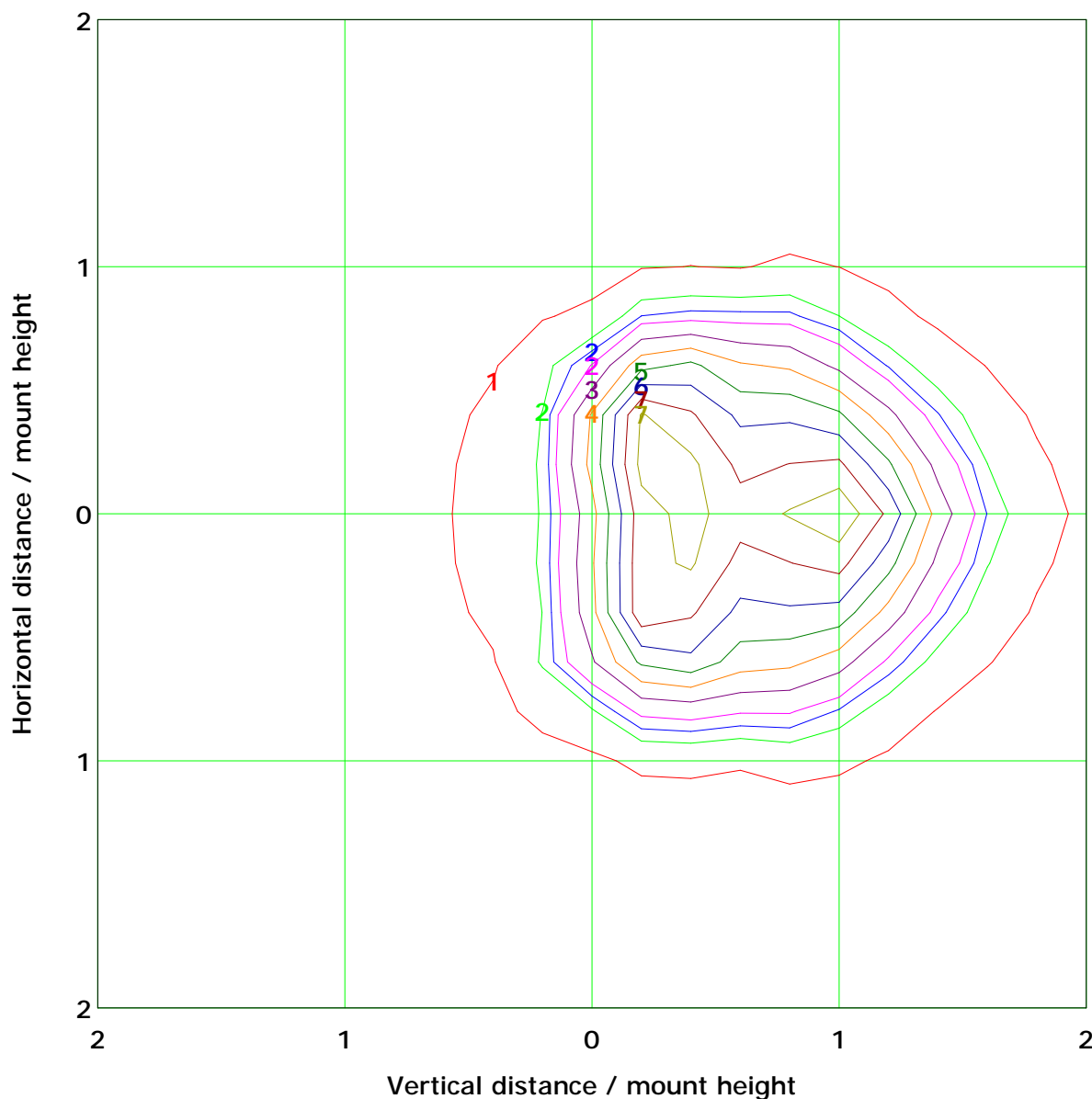
I_{max} (100%): 630 cd

(10%): 63 cd	(20%): 126 cd
(25%): 157 cd	(30%): 189 cd
(40%): 252 cd	(50%): 315 cd
(60%): 378 cd	(70%): 441 cd
(80%): 504 cd	(90%): 567 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%): 8.3 lx

(10%): 0.8 lx	(20%): 1.7 lx
(25%): 2.1 lx	(30%): 2.5 lx
(40%): 3.3 lx	(50%): 4.2 lx
(60%): 5.0 lx	(70%): 5.8 lx
(80%): 6.7 lx	(90%): 7.5 lx

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

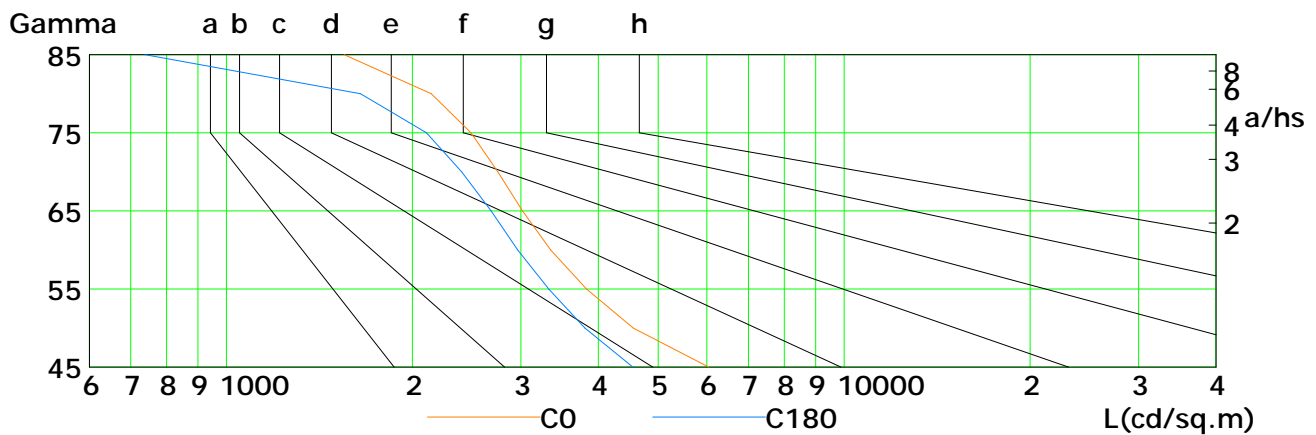
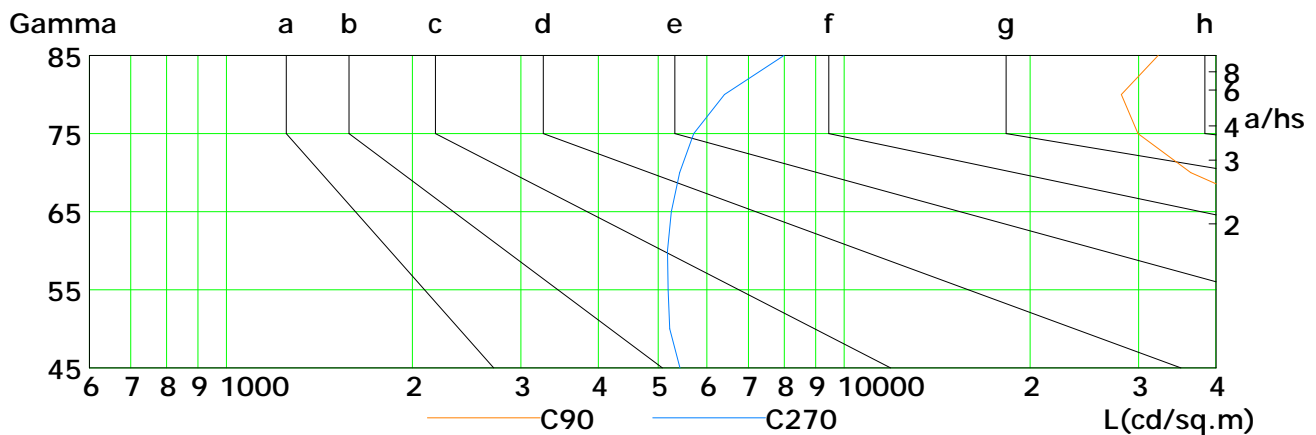
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



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

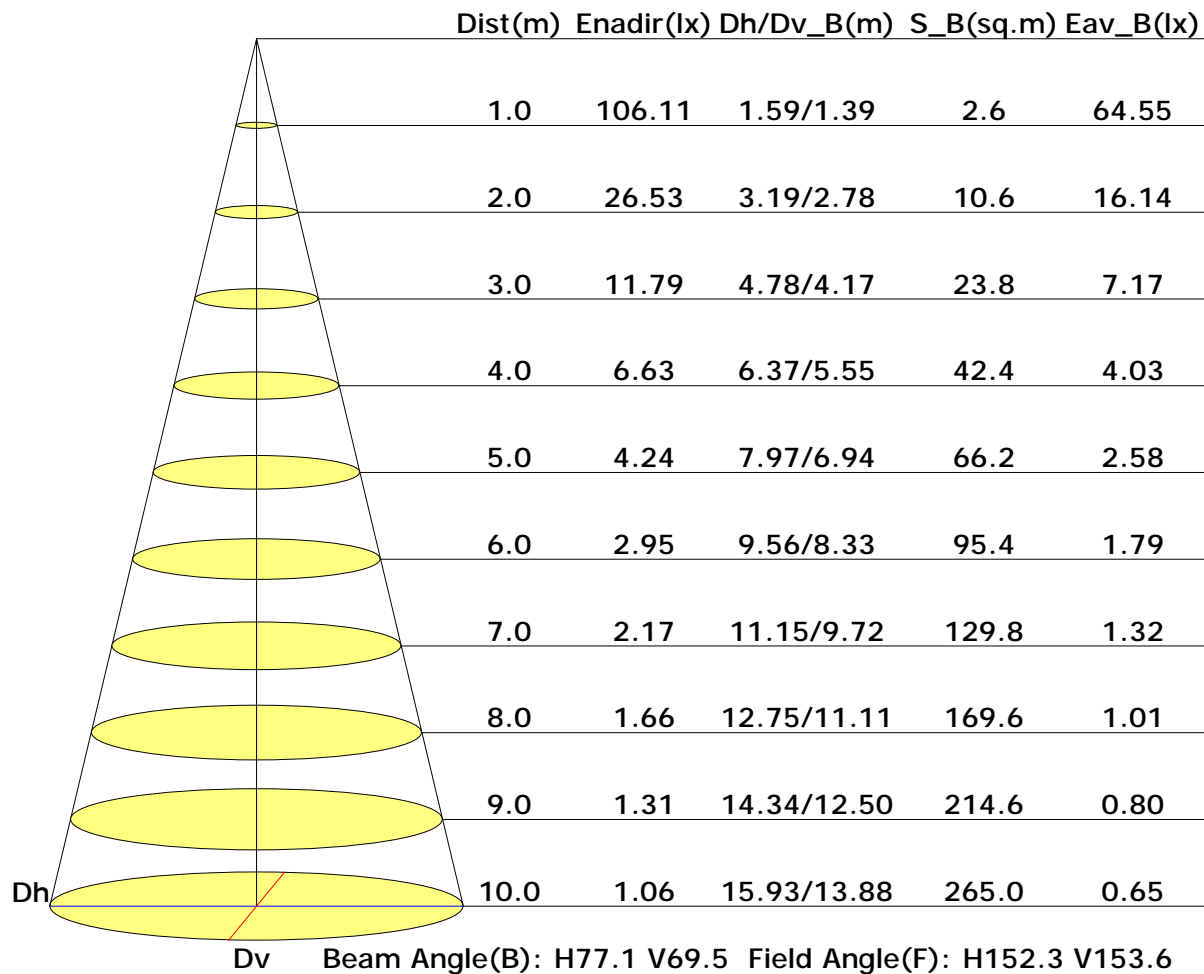


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	6041	4556	3830	3349	3016	2750	2488	2147	1551
C90	119875	139902	116941	78349	50823	36445	29923	28127	32239
C180	4550	3805	3325	2964	2683	2403	2108	1648	739
C270	5426	5220	5188	5178	5253	5419	5711	6407	7999

C Plane (°):0.0-360.0: 30.0
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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:

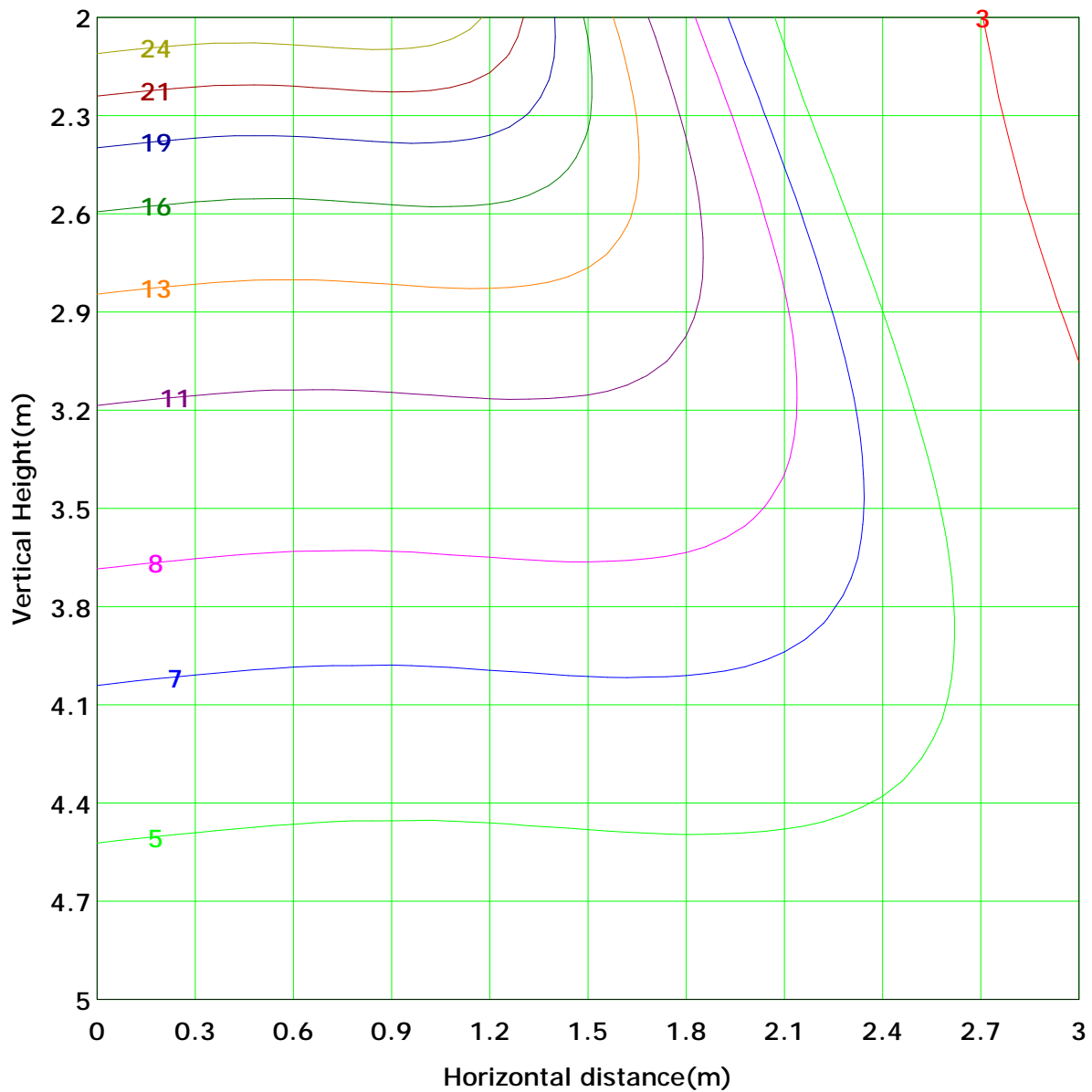
Illuminance at a Distance



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: 26.5 lx
(10%): 2.7 lx	(20%): 5.3 lx	
(25%): 6.6 lx	(30%): 8.0 lx	
(40%): 10.6 lx	(50%): 13.3 lx	
(60%): 15.9 lx	(70%): 18.6 lx	
(80%): 21.2 lx	(90%): 23.9 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:

Area Flux Table

Unit: lm

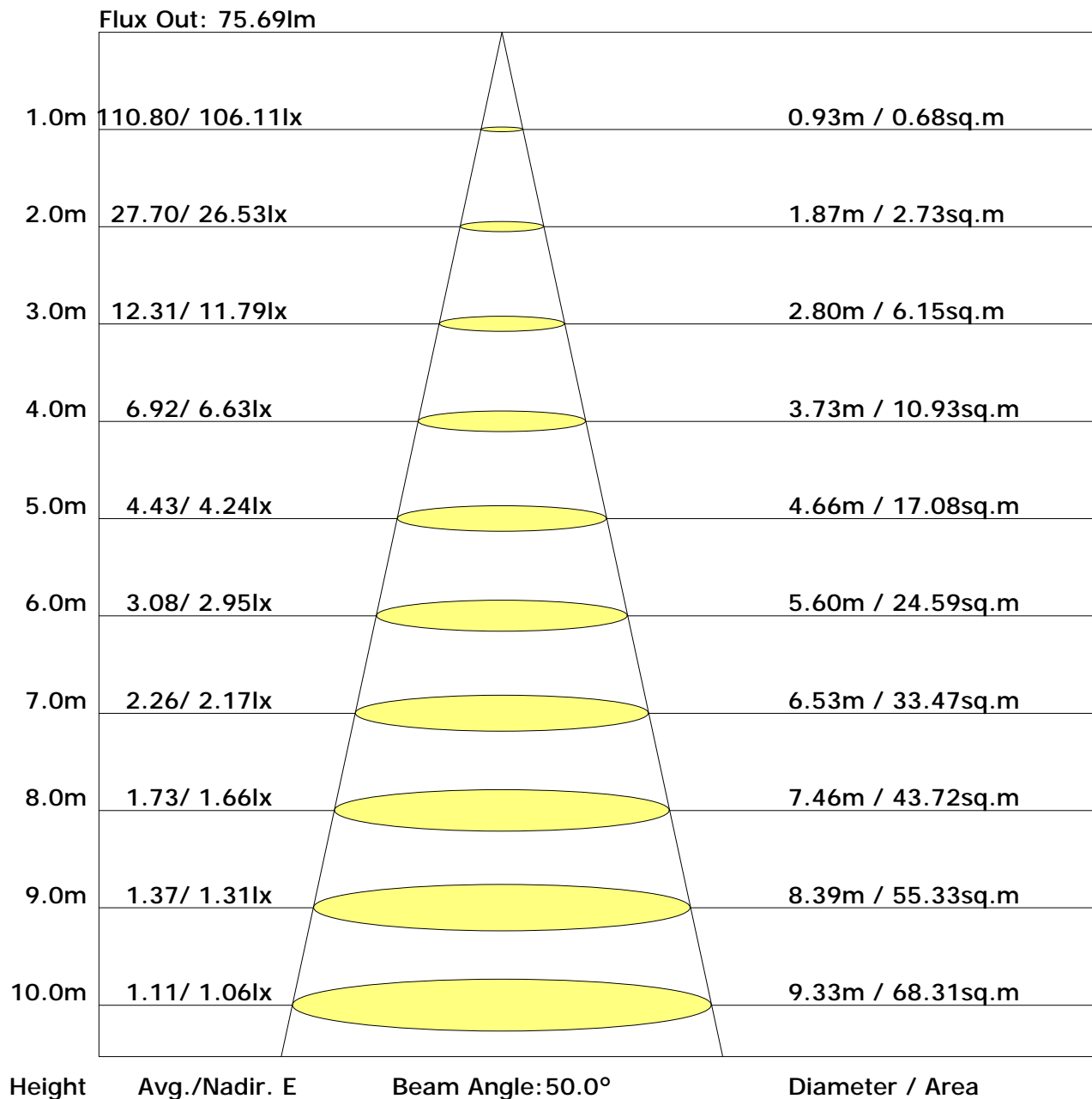
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.0
	-80	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.6	0.8	1.6	2.8	4.0	6.9	7.3	8.9	9.7	7.7	7.6	6.6	6.7	0.0
	-70	0.0	0.0	0.1	0.2	0.3	0.5	0.7	1.1	1.3	2.7	4.8	5.1	7.3	8.9	9.7	7.7	7.6	6.6	6.7	62.5	0.0
	-60	0.0	0.1	0.2	0.3	0.4	0.5	0.7	1.1	1.3	2.7	4.8	5.1	7.3	8.9	9.7	7.7	7.6	6.6	6.7	62.5	0.0
	-50	0.0	0.1	0.2	0.3	0.4	0.5	0.7	1.1	1.3	2.7	4.8	5.1	7.3	8.9	9.7	7.7	7.6	6.6	6.7	62.5	0.0
	-40	0.0	0.1	0.2	0.3	0.4	0.5	0.7	1.1	1.3	2.7	4.8	5.1	7.3	8.9	9.7	7.7	7.6	6.6	6.7	62.5	0.0
	-30	0.0	0.1	0.2	0.3	0.4	0.5	0.7	1.1	1.3	2.7	4.8	5.1	7.3	8.9	9.7	7.7	7.6	6.6	6.7	62.5	0.0
	-20	0.0	0.1	0.2	0.3	0.4	0.5	0.7	1.1	1.3	2.7	4.8	5.1	7.3	8.9	9.7	7.7	7.6	6.6	6.7	62.5	0.0
	-10	0.0	0.1	0.2	0.3	0.4	0.5	0.7	1.1	1.3	2.7	4.8	5.1	7.3	8.9	9.7	7.7	7.6	6.6	6.7	62.5	0.0
	0	0.0	0.1	0.2	0.3	0.4	0.5	0.7	1.1	1.3	2.7	4.8	5.1	7.3	8.9	9.7	7.7	7.6	6.6	6.7	62.5	0.0
	10	0.0	0.1	0.2	0.3	0.4	0.5	0.7	1.1	1.3	2.7	4.8	5.1	7.3	8.9	9.7	7.7	7.6	6.6	6.7	62.5	0.0
	20	0.0	0.1	0.2	0.3	0.4	0.5	0.7	1.1	1.3	2.7	4.8	5.1	7.3	8.9	9.7	7.7	7.6	6.6	6.7	62.5	0.0
	30	0.0	0.1	0.3	0.5	0.5	1.2	3.9	6.9	7.4	7.7	7.4	7.2	4.6	1.4	0.6	0.3	0.1	0.1	0.0	0.0	0.0
	40	0.0	0.1	0.3	0.5	1.1	3.7	7.3	8.9	9.7	7.7	7.4	7.2	4.6	1.4	0.6	0.3	0.1	0.1	0.0	0.0	0.0
	50	0.0	0.1	0.2	0.5	1.0	2.8	6.8	11.7	15.4	15.6	12.4	7.9	3.4	1.1	0.5	0.3	0.1	0.1	0.0	0.0	0.0
	60	0.0	0.1	0.2	0.4	0.8	1.6	3.4	7.4	12.0	12.2	7.9	3.9	1.8	0.9	0.4	0.2	0.1	0.1	0.0	0.0	0.0
	70	0.0	0.1	0.2	0.3	0.6	1.0	1.6	2.9	4.3	4.4	3.0	1.7	1.0	0.6	0.4	0.2	0.1	0.1	0.0	0.0	0.0
	80	0.0	0.1	0.1	0.3	0.4	0.6	0.9	1.3	1.7	1.7	1.3	1.0	0.7	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0
	90	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.3	467	0.0
	Flux(E)	0.0	0.0	0.0	0.0	1.9	18.8	39.4	52.9	62.5	62.5	53.2	42.3	24.4	3.8	0.0	0.0	0.0	0.0	0.0	362	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



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Test Lab:
Test Type: TYPE C
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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	17.4	18.9	17.8	19.3	19.8	29.9	31.5	30.4	31.9	32.3
3H	19.3	20.7	19.8	21.1	21.6	30.5	31.9	30.9	32.3	32.7
4H	20.3	21.6	20.7	22.0	22.5	30.7	32.0	31.1	32.4	32.9
6H	21.2	22.4	21.6	22.8	23.3	30.8	32.0	31.3	32.4	32.9
8H	21.6	22.7	22.1	23.2	23.7	30.8	32.0	31.3	32.5	32.9
12H	22.0	23.1	22.5	23.5	24.0	30.9	32.0	31.4	32.4	33.0
X=4H Y=2H	18.6	19.9	19.0	20.3	20.8	29.8	31.1	30.3	31.6	32.0
3H	20.5	21.6	20.9	22.0	22.5	30.5	31.5	30.9	32.0	32.5
4H	21.4	22.4	21.9	22.9	23.4	30.7	31.7	31.2	32.1	32.7
6H	22.4	23.3	22.9	23.8	24.3	30.9	31.8	31.4	32.3	32.8
8H	22.9	23.7	23.4	24.2	24.7	31.0	31.8	31.5	32.3	32.9
12H	23.3	24.0	23.8	24.6	25.1	31.1	31.8	31.6	32.3	32.9
X=8H Y=4H	21.9	22.7	22.4	23.2	23.7	30.6	31.4	31.2	32.0	32.5
6H	22.9	23.6	23.5	24.2	24.7	30.9	31.6	31.4	32.1	32.7
8H	23.5	24.1	24.0	24.6	25.2	31.0	31.6	31.6	32.2	32.8
12H	24.0	24.5	24.5	25.1	25.7	31.2	31.7	31.7	32.3	32.9
X=12H Y=4H	21.9	22.7	22.5	23.2	23.8	30.6	31.3	31.2	31.9	32.4
6H	23.0	23.7	23.6	24.2	24.8	30.9	31.5	31.4	32.0	32.6
8H	23.6	24.2	24.2	24.7	25.4	31.0	31.6	31.6	32.1	32.8

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 = 1.75								
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	0.71	0.78	0.83	0.89	0.94	0.97	1.01	1.03
	0.30		NA	0.64	0.71	0.76	0.84	0.89	0.92	0.97	1.00
	0.20		NA	0.59	0.66	0.72	0.79	0.84	0.88	0.94	0.97
0.50	0.50	0.20	NA	0.69	0.75	0.80	0.86	0.90	0.92	0.96	0.98
	0.30		NA	0.63	0.69	0.74	0.81	0.86	0.89	0.93	0.96
	0.20		NA	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.93
0.30	0.50	0.20	NA	0.66	0.72	0.77	0.82	0.86	0.88	0.92	0.94
	0.30		NA	0.61	0.68	0.72	0.79	0.83	0.85	0.89	0.92
	0.20		NA	0.57	0.64	0.69	0.75	0.80	0.83	0.87	0.90
0.00	0.00	0.00	NA	0.54	0.60	0.65	0.71	0.75	0.78	0.82	0.84
Rating: 6W 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	0.74	0.63	0.54	0.43	0.36	0.31	0.24	0.20	
	0.30		NA	0.63	0.55	0.48	0.39	0.33	0.29	0.23	0.19	
	0.20		NA	0.55	0.49	0.43	0.36	0.30	0.27	0.21	0.18	
0.50	0.50	0.20	NA	0.70	0.59	0.51	0.41	0.37	0.29	0.23	0.19	
	0.30		NA	0.61	0.53	0.46	0.37	0.31	0.27	0.21	0.18	
	0.20		NA	0.54	0.47	0.42	0.34	0.29	0.26	0.20	0.17	
0.30	0.50	0.20	NA	0.67	0.56	0.49	0.38	0.32	0.27	0.21	0.18	
	0.30		NA	0.59	0.51	0.44	0.35	0.30	0.26	0.20	0.17	
	0.20		NA	0.53	0.46	0.40	0.33	0.28	0.24	0.19	0.16	
0.00	0.00	0.00	0.96	0.42	0.36	0.31	0.25	0.21	0.18	0.14	0.12	
Rating: 6W 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	0.20	0.21	0.22	0.23	0.24	0.24	0.25	0.25
	0.30		NA	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23
	0.20		NA	0.10	0.12	0.13	0.15	0.17	0.18	0.19	0.21
0.50	0.50	0.20	NA	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24
	0.30		NA	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22
	0.20		NA	0.10	0.12	0.13	0.15	0.16	0.17	0.19	0.20
0.30	0.50	0.20	NA	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		NA	0.14	0.15	0.16	0.18	0.19	0.19	0.20	0.21
	0.20		NA	0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.19
0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
<p>Rating: 6W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	98.0	0.1	0.1	0.02	0.02
1.0-2.0	98.3	0.3	0.4	0.06	0.08
2.0-3.0	98.8	0.5	0.8	0.10	0.17
3.0-4.0	99.7	0.7	1.5	0.14	0.31
4.0-5.0	100.8	0.9	2.4	0.18	0.49
5.0-6.0	102.2	1.1	3.5	0.22	0.71
6.0-7.0	103.9	1.3	4.7	0.27	0.98
7.0-8.0	105.7	1.5	6.3	0.31	1.29
8.0-9.0	107.9	1.7	8.0	0.36	1.65
9.0-10.0	110.2	2.0	10.0	0.41	2.06
10.0-11.0	112.7	2.3	12.3	0.46	2.53
11.0-12.0	115.4	2.5	14.8	0.52	3.05
12.0-13.0	118.2	2.8	17.6	0.58	3.63
13.0-14.0	121.1	3.1	20.7	0.64	4.26
14.0-15.0	123.9	3.4	24.1	0.70	4.97
15.0-16.0	126.9	3.7	27.8	0.77	5.73
16.0-17.0	129.7	4.0	31.8	0.83	6.56
17.0-18.0	132.4	4.4	36.2	0.90	7.46
18.0-19.0	134.9	4.7	40.9	0.97	8.43
19.0-20.0	137.2	5.0	45.9	1.04	9.47
20.0-21.0	139.2	5.3	51.3	1.10	10.57
21.0-22.0	140.8	5.7	56.9	1.17	11.74
22.0-23.0	142.1	6.0	62.9	1.23	12.97
23.0-24.0	143.1	6.3	69.2	1.29	14.26
24.0-25.0	143.6	6.5	75.7	1.35	15.60
25.0-26.0	143.9	6.8	82.5	1.40	17.00
26.0-27.0	143.9	7.0	89.5	1.45	18.45
27.0-28.0	143.7	7.3	96.8	1.50	19.95
28.0-29.0	143.4	7.5	104.3	1.55	21.50
29.0-30.0	143.1	7.7	112.0	1.59	23.09
30.0-31.0	142.8	7.9	120.0	1.64	24.73
31.0-32.0	142.6	8.2	128.2	1.68	26.42
32.0-33.0	142.4	8.4	136.5	1.73	28.15
33.0-34.0	142.3	8.6	145.2	1.78	29.92
34.0-35.0	142.3	8.8	154.0	1.82	31.74
35.0-36.0	142.3	9.1	163.1	1.87	33.61

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 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	142.3	9.3	172.3	1.91	35.52
37.0-38.0	142.3	9.5	181.8	1.96	37.48
38.0-39.0	142.3	9.7	191.6	2.00	39.49
39.0-40.0	142.5	9.9	201.5	2.05	41.53
40.0-41.0	142.8	10.2	211.7	2.10	43.63
41.0-42.0	143.3	10.4	222.1	2.15	45.78
42.0-43.0	143.9	10.7	232.7	2.20	47.98
43.0-44.0	144.5	10.9	243.6	2.25	50.22
44.0-45.0	144.9	11.1	254.8	2.30	52.52
45.0-46.0	144.5	11.3	266.1	2.33	54.85
46.0-47.0	143.3	11.4	277.5	2.35	57.20
47.0-48.0	140.8	11.4	288.9	2.35	59.55
48.0-49.0	137.1	11.3	300.1	2.32	61.87
49.0-50.0	132.0	11.0	311.1	2.27	64.14
50.0-51.0	125.8	10.6	321.8	2.19	66.33
51.0-52.0	118.6	10.2	332.0	2.10	68.43
52.0-53.0	110.7	9.6	341.6	1.99	70.41
53.0-54.0	102.5	9.0	350.6	1.86	72.28
54.0-55.0	94.5	8.4	359.1	1.74	74.02
55.0-56.0	86.5	7.8	366.9	1.61	75.63
56.0-57.0	79.0	7.2	374.1	1.49	77.12
57.0-58.0	72.1	6.7	380.8	1.37	78.49
58.0-59.0	65.8	6.2	386.9	1.27	79.76
59.0-60.0	60.2	5.7	392.6	1.17	80.93
60.0-61.0	55.1	5.3	397.9	1.08	82.02
61.0-62.0	50.6	4.9	402.8	1.00	83.02
62.0-63.0	46.5	4.5	407.3	0.93	83.95
63.0-64.0	43.0	4.2	411.5	0.87	84.82
64.0-65.0	39.9	3.9	415.4	0.81	85.64
65.0-66.0	37.1	3.7	419.1	0.76	86.40
66.0-67.0	34.6	3.5	422.6	0.72	87.12
67.0-68.0	32.3	3.3	425.9	0.68	87.79
68.0-69.0	30.3	3.1	429.0	0.64	88.43
69.0-70.0	28.5	2.9	431.9	0.60	89.03
70.0-71.0	26.9	2.8	434.7	0.57	89.61
71.0-72.0	25.4	2.6	437.3	0.54	90.15

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	23.9	2.5	439.8	0.52	90.67
73.0-74.0	22.7	2.4	442.2	0.49	91.16
74.0-75.0	21.4	2.3	444.5	0.47	91.62
75.0-76.0	20.3	2.2	446.6	0.44	92.07
76.0-77.0	19.2	2.0	448.7	0.42	92.49
77.0-78.0	18.2	1.9	450.6	0.40	92.89
78.0-79.0	17.2	1.8	452.5	0.38	93.27
79.0-80.0	16.2	1.7	454.2	0.36	93.63
80.0-81.0	15.3	1.7	455.9	0.34	93.97
81.0-82.0	14.4	1.6	457.4	0.32	94.29
82.0-83.0	13.5	1.5	458.9	0.30	94.60
83.0-84.0	12.6	1.4	460.3	0.28	94.88
84.0-85.0	11.8	1.3	461.6	0.26	95.15
85.0-86.0	10.9	1.2	462.8	0.25	95.39
86.0-87.0	10.1	1.1	463.9	0.23	95.62
87.0-88.0	9.3	1.0	464.9	0.21	95.83
88.0-89.0	8.6	0.9	465.8	0.19	96.02
89.0-90.0	8.0	0.9	466.7	0.18	96.20
90.0-91.0	7.4	0.8	467.5	0.17	96.37
91.0-92.0	6.8	0.7	468.3	0.15	96.53
92.0-93.0	6.4	0.7	469.0	0.14	96.67
93.0-94.0	6.0	0.7	469.6	0.14	96.81
94.0-95.0	5.6	0.6	470.2	0.13	96.93
95.0-96.0	5.3	0.6	470.8	0.12	97.05
96.0-97.0	5.0	0.5	471.4	0.11	97.16
97.0-98.0	4.7	0.5	471.9	0.11	97.27
98.0-99.0	4.5	0.5	472.4	0.10	97.37
99.0-100.0	4.3	0.5	472.8	0.10	97.46
100.0-101.0	4.1	0.4	473.3	0.09	97.55
101.0-102.0	3.9	0.4	473.7	0.09	97.64
102.0-103.0	3.7	0.4	474.1	0.08	97.72
103.0-104.0	3.6	0.4	474.5	0.08	97.80
104.0-105.0	3.5	0.4	474.8	0.08	97.88
105.0-106.0	3.4	0.4	475.2	0.07	97.95
106.0-107.0	3.3	0.3	475.5	0.07	98.02
107.0-108.0	3.2	0.3	475.9	0.07	98.09

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	3.1	0.3	476.2	0.07	98.16
109.0-110.0	3.0	0.3	476.5	0.06	98.22
110.0-111.0	2.9	0.3	476.8	0.06	98.28
111.0-112.0	2.9	0.3	477.1	0.06	98.34
112.0-113.0	2.8	0.3	477.4	0.06	98.40
113.0-114.0	2.8	0.3	477.7	0.06	98.46
114.0-115.0	2.7	0.3	477.9	0.06	98.52
115.0-116.0	2.7	0.3	478.2	0.06	98.57
116.0-117.0	2.7	0.3	478.5	0.05	98.63
117.0-118.0	2.6	0.3	478.7	0.05	98.68
118.0-119.0	2.6	0.3	479.0	0.05	98.73
119.0-120.0	2.6	0.2	479.2	0.05	98.78
120.0-121.0	2.5	0.2	479.4	0.05	98.83
121.0-122.0	2.5	0.2	479.7	0.05	98.88
122.0-123.0	2.5	0.2	479.9	0.05	98.93
123.0-124.0	2.5	0.2	480.1	0.05	98.97
124.0-125.0	2.4	0.2	480.4	0.05	99.02
125.0-126.0	2.4	0.2	480.6	0.04	99.06
126.0-127.0	2.4	0.2	480.8	0.04	99.11
127.0-128.0	2.3	0.2	481.0	0.04	99.15
128.0-129.0	2.3	0.2	481.2	0.04	99.19
129.0-130.0	2.2	0.2	481.4	0.04	99.23
130.0-131.0	2.2	0.2	481.6	0.04	99.26
131.0-132.0	2.2	0.2	481.7	0.04	99.30
132.0-133.0	2.1	0.2	481.9	0.04	99.34
133.0-134.0	2.1	0.2	482.1	0.03	99.37
134.0-135.0	2.0	0.2	482.2	0.03	99.40
135.0-136.0	2.0	0.2	482.4	0.03	99.43
136.0-137.0	1.9	0.1	482.5	0.03	99.46
137.0-138.0	1.9	0.1	482.7	0.03	99.49
138.0-139.0	1.8	0.1	482.8	0.03	99.52
139.0-140.0	1.8	0.1	482.9	0.03	99.55
140.0-141.0	1.7	0.1	483.0	0.03	99.57
141.0-142.0	1.7	0.1	483.2	0.02	99.60
142.0-143.0	1.7	0.1	483.3	0.02	99.62
143.0-144.0	1.6	0.1	483.4	0.02	99.64

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 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.6	0.1	483.5	0.02	99.66
145.0-146.0	1.5	0.1	483.6	0.02	99.68
146.0-147.0	1.5	0.1	483.7	0.02	99.70
147.0-148.0	1.5	0.1	483.7	0.02	99.72
148.0-149.0	1.5	0.1	483.8	0.02	99.73
149.0-150.0	1.5	0.1	483.9	0.02	99.75
150.0-151.0	1.4	0.1	484.0	0.02	99.77
151.0-152.0	1.4	0.1	484.1	0.02	99.78
152.0-153.0	1.4	0.1	484.1	0.02	99.80
153.0-154.0	1.4	0.1	484.2	0.01	99.81
154.0-155.0	1.5	0.1	484.3	0.01	99.83
155.0-156.0	1.5	0.1	484.3	0.01	99.84
156.0-157.0	1.4	0.1	484.4	0.01	99.85
157.0-158.0	1.4	0.1	484.5	0.01	99.87
158.0-159.0	1.4	0.1	484.5	0.01	99.88
159.0-160.0	1.4	0.1	484.6	0.01	99.89
160.0-161.0	1.4	0.1	484.6	0.01	99.90
161.0-162.0	1.4	0.0	484.7	0.01	99.91
162.0-163.0	1.4	0.0	484.7	0.01	99.92
163.0-164.0	1.4	0.0	484.8	0.01	99.93
164.0-165.0	1.4	0.0	484.8	0.01	99.94
165.0-166.0	1.4	0.0	484.9	0.01	99.95
166.0-167.0	1.4	0.0	484.9	0.01	99.95
167.0-168.0	1.4	0.0	484.9	0.01	99.96
168.0-169.0	1.4	0.0	485.0	0.01	99.97
169.0-170.0	1.4	0.0	485.0	0.01	99.97
170.0-171.0	1.4	0.0	485.0	0.01	99.98
171.0-172.0	1.4	0.0	485.0	0.00	99.98
172.0-173.0	1.4	0.0	485.1	0.00	99.99
173.0-174.0	1.4	0.0	485.1	0.00	99.99
174.0-175.0	1.4	0.0	485.1	0.00	99.99
175.0-176.0	1.5	0.0	485.1	0.00	100.00
176.0-177.0	1.5	0.0	485.1	0.00	100.00
177.0-178.0	1.5	0.0	485.1	0.00	100.00
178.0-179.0	1.4	0.0	485.1	0.00	100.00
179.0-180.0	1.5	0.0	485.1	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: