

Report No.: 20230811

Test Time: 2023/8/11 16:45

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHWH35MSWS2203.030 2 ROW OF RIBBONLYTE

Lamp Description: 2 ROW OF RIBBONLYTE Luminous Length (mm): 500

Luminous Width (mm): 37.5

Luminous Height (mm): 35

Voltage: 24.0 V

Current: 0.374 A

Power: 8.97 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 372.6 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H160,H111.9

Vertical Diffuse Angle(10%,50%): V161.7,V111.8

Luminaire Efficacy Rating (LER): 42

Max. Intensity: 130.98 cd

Total Rated Lamp Lumens: 372.6 lm

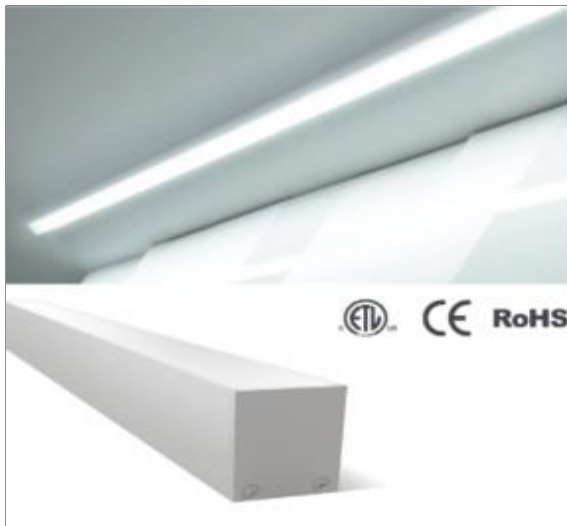
Efficiency: 100%

Upward Ratio: 1%

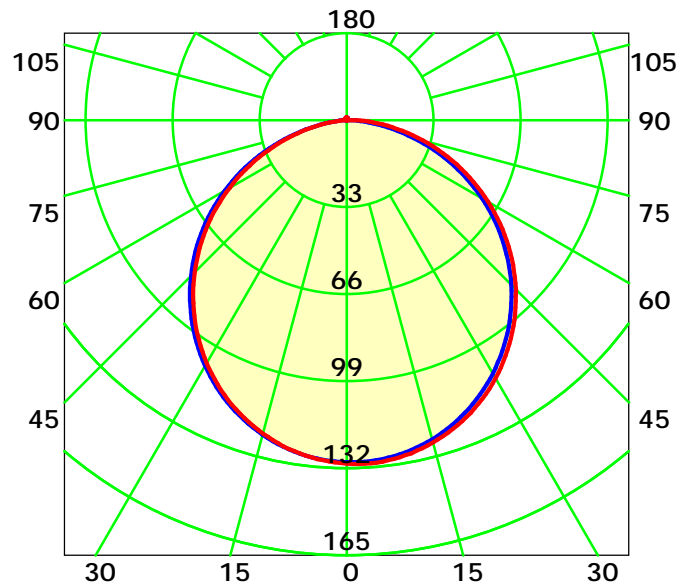
Central Intensity: 129.73 cd

Pos of Max. Intensity: H150 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 111.9° 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

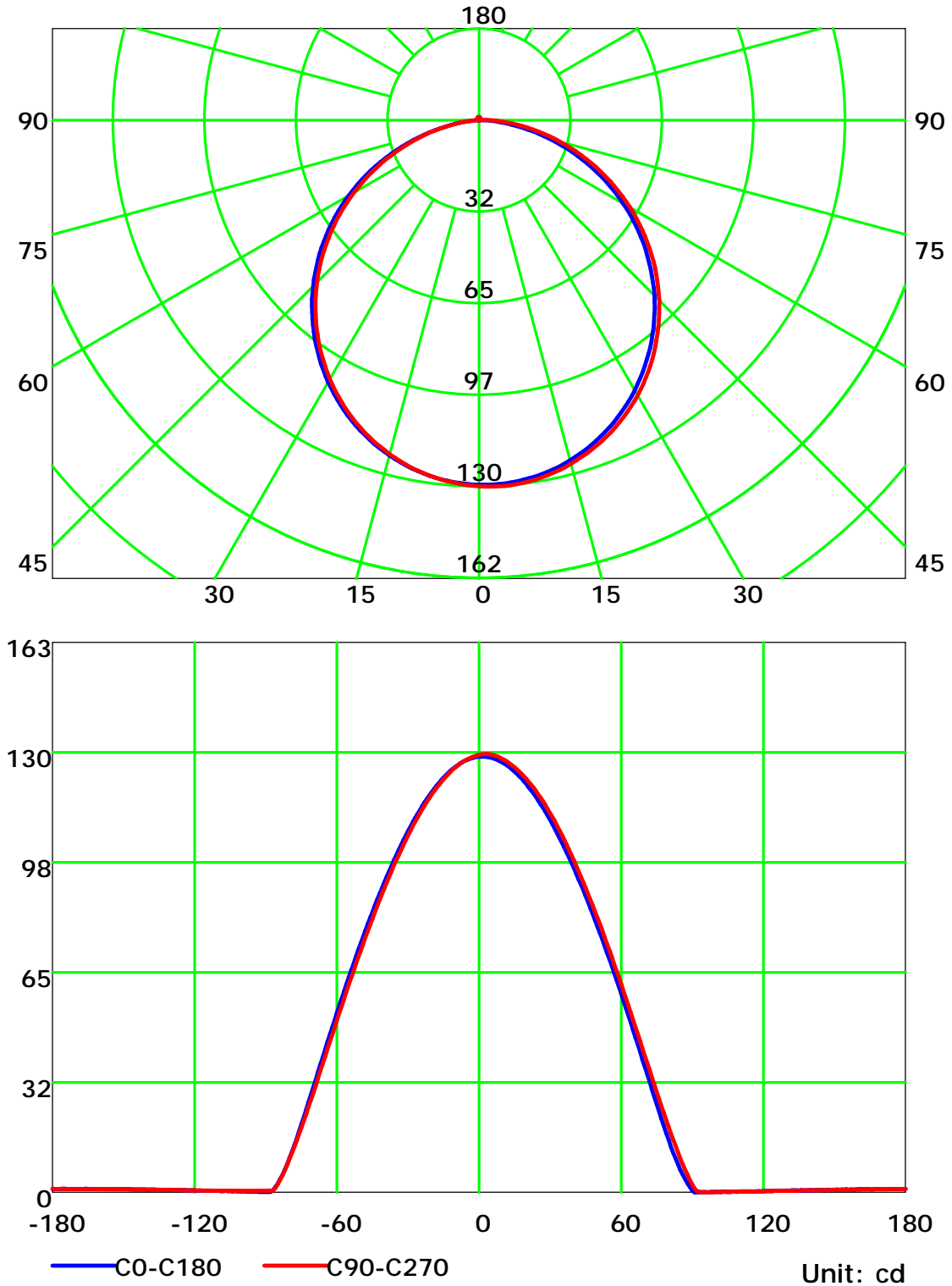
Distance: 9.028 m

Humidity: 60%

Inspector:



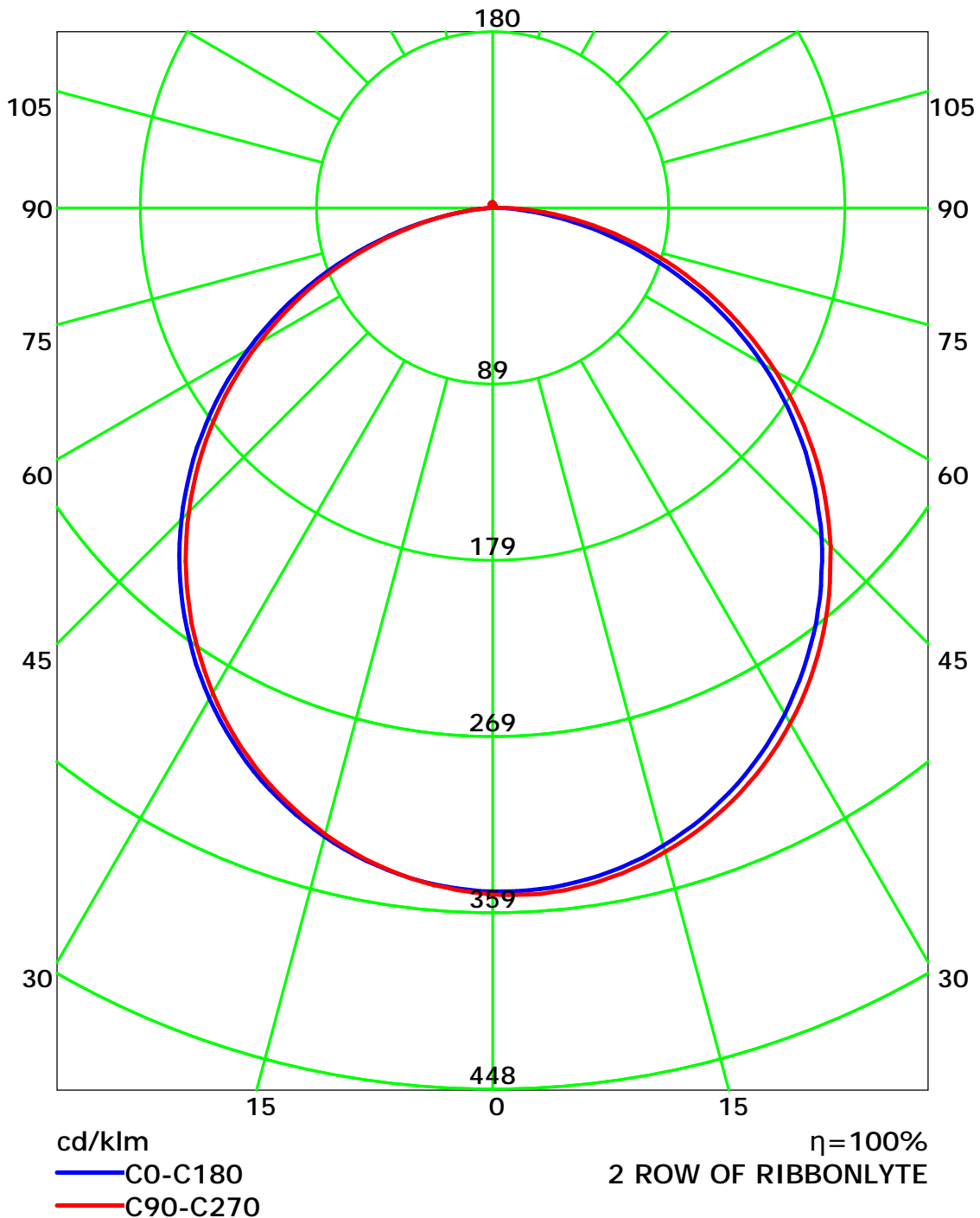
Luminous Intensity Distribution Curve



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:

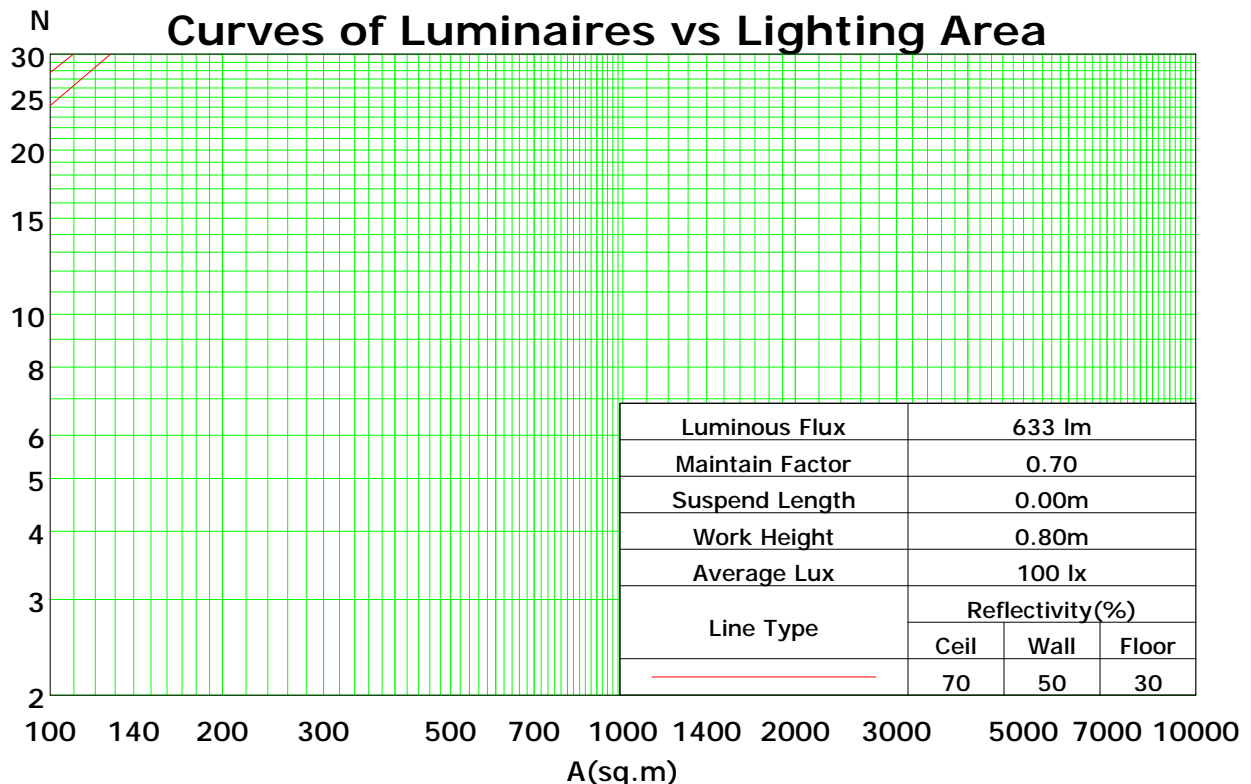
Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	99	96	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	74	71	69
3	90	79	71	65	87	78	70	64	74	68	63	72	66	61	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	52	61	56	52	49
5	76	63	54	47	73	61	53	47	59	52	46	57	51	45	55	49	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	35	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	32	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.25

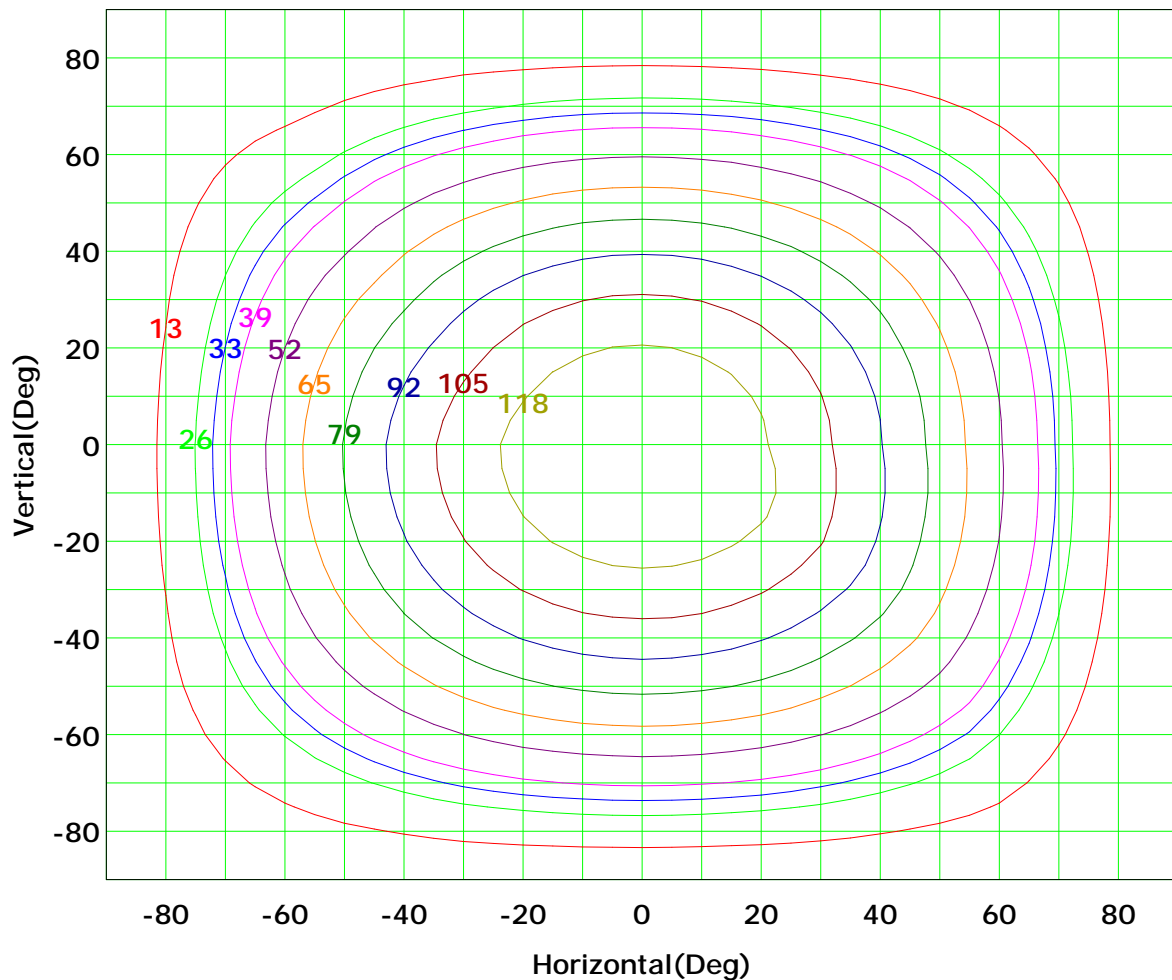
Spacing Criteria (Diagonal): 1.37



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)



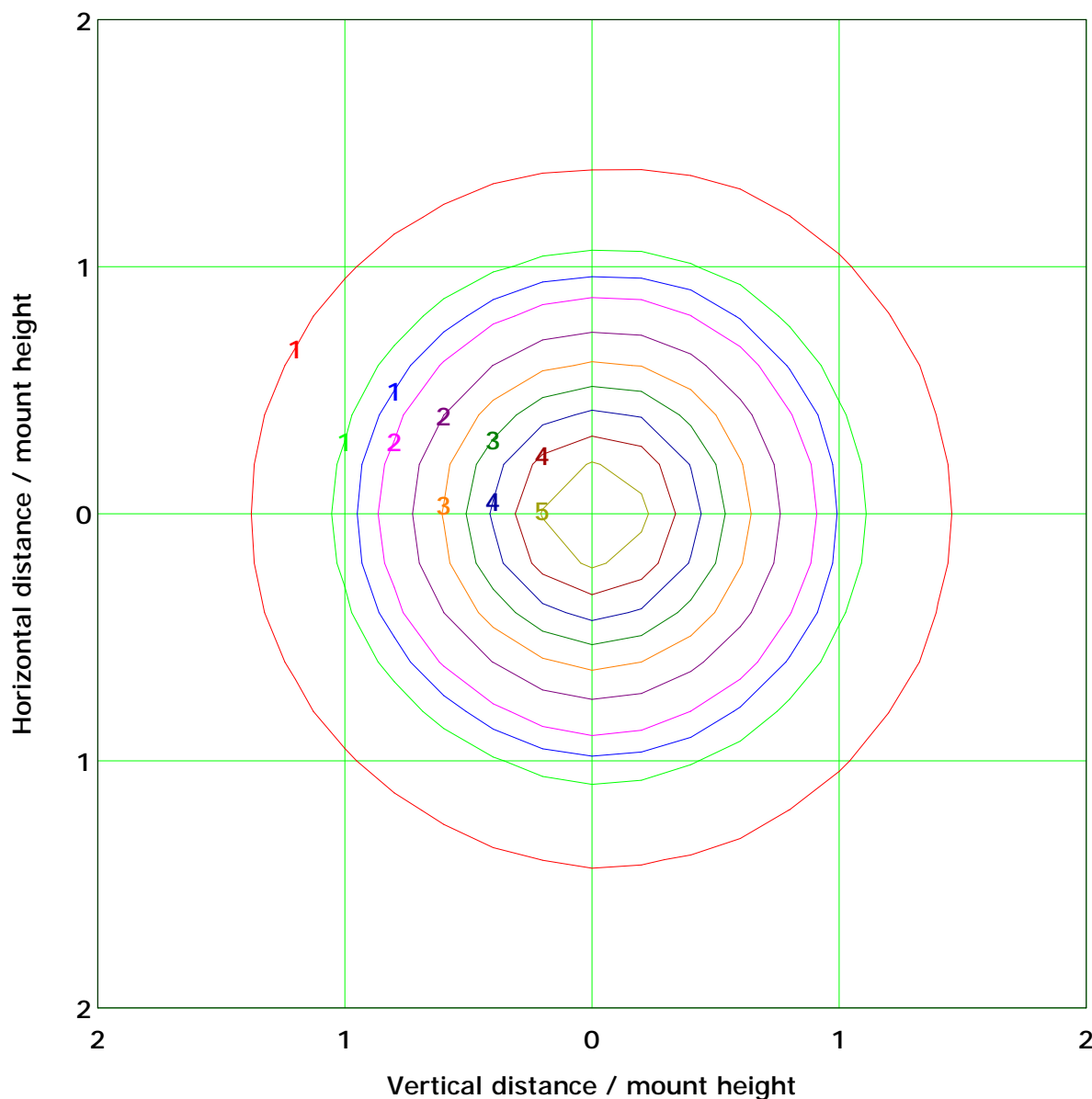
I_{max} (100%): 131 cd

(10%):	13 cd	(20%):	26 cd
(25%):	33 cd	(30%):	39 cd
(40%):	52 cd	(50%):	65 cd
(60%):	79 cd	(70%):	92 cd
(80%):	105 cd	(90%):	118 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%): 5.2 lx	
(10%): 0.5 lx	(20%): 1.0 lx
(25%): 1.3 lx	(30%): 1.6 lx
(40%): 2.1 lx	(50%): 2.6 lx
(60%): 3.1 lx	(70%): 3.7 lx
(80%): 4.2 lx	(90%): 4.7 lx

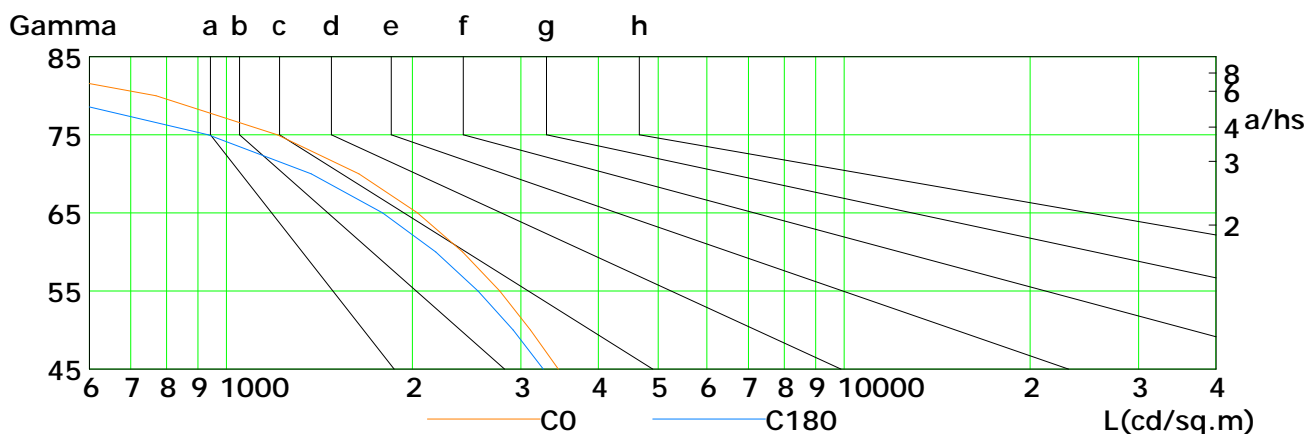
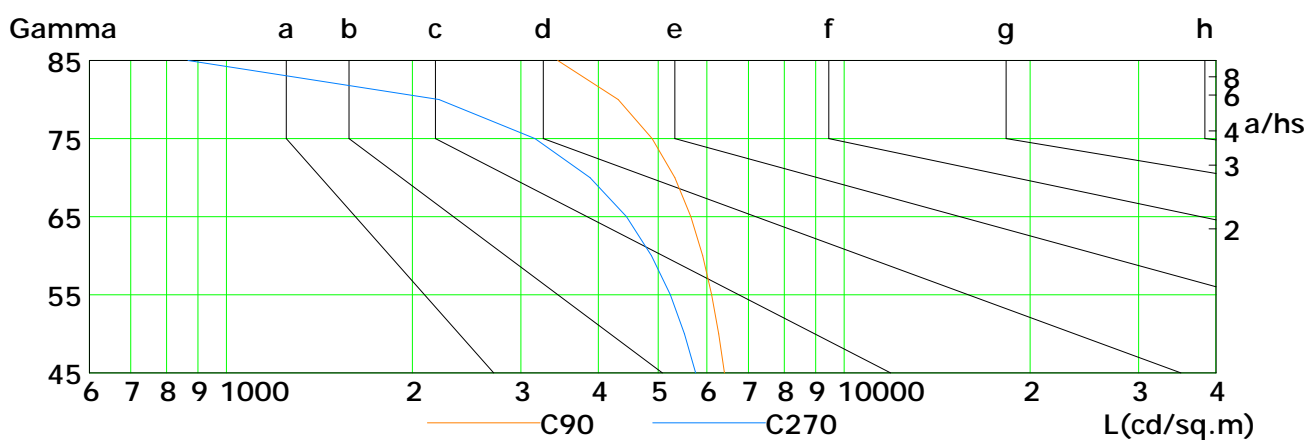
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



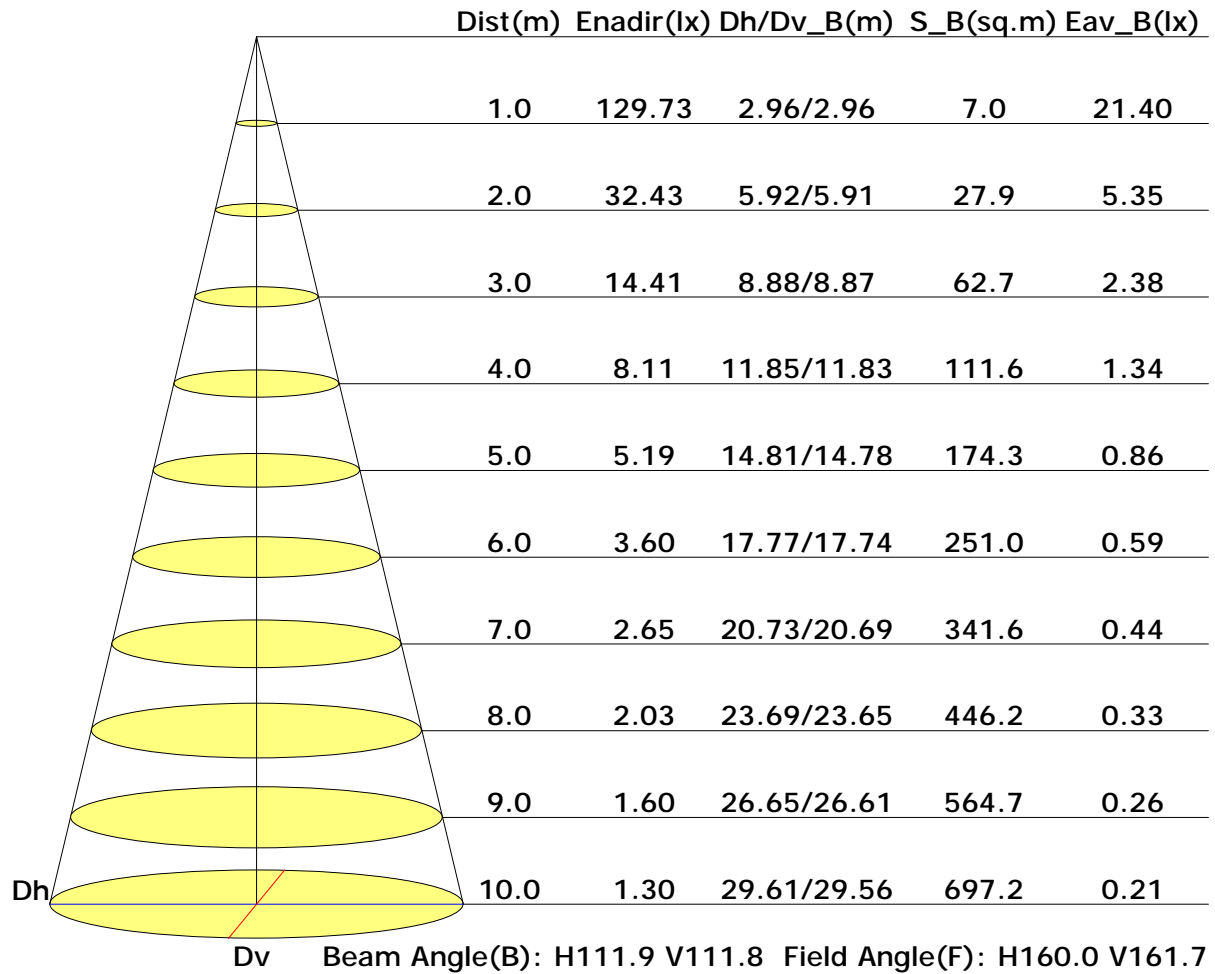
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3447	3109	2772	2414	2040	1640	1210	770	353
C90	6401	6266	6102	5903	5650	5324	4888	4307	3440
C180	3260	2914	2555	2182	1791	1372	935	503	143
C270	5751	5516	5237	4878	4444	3878	3158	2210	867

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

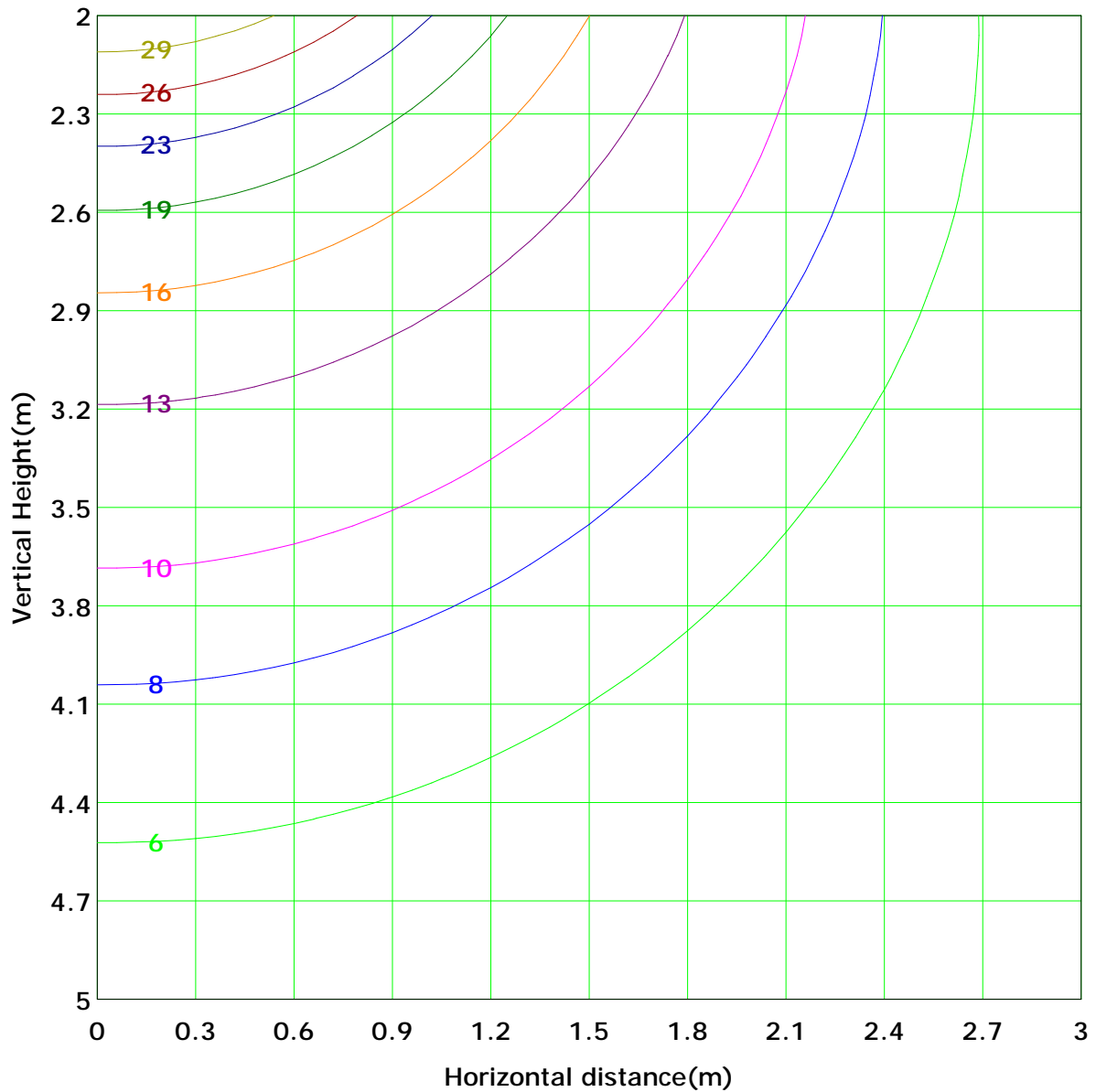
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 32.4 lx
(10%): 3.2 lx	(20%): 6.5 lx	
(25%): 8.1 lx	(30%): 9.7 lx	
(40%): 13.0 lx	(50%): 16.2 lx	
(60%): 19.5 lx	(70%): 22.7 lx	
(80%): 25.9 lx	(90%): 29.2 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

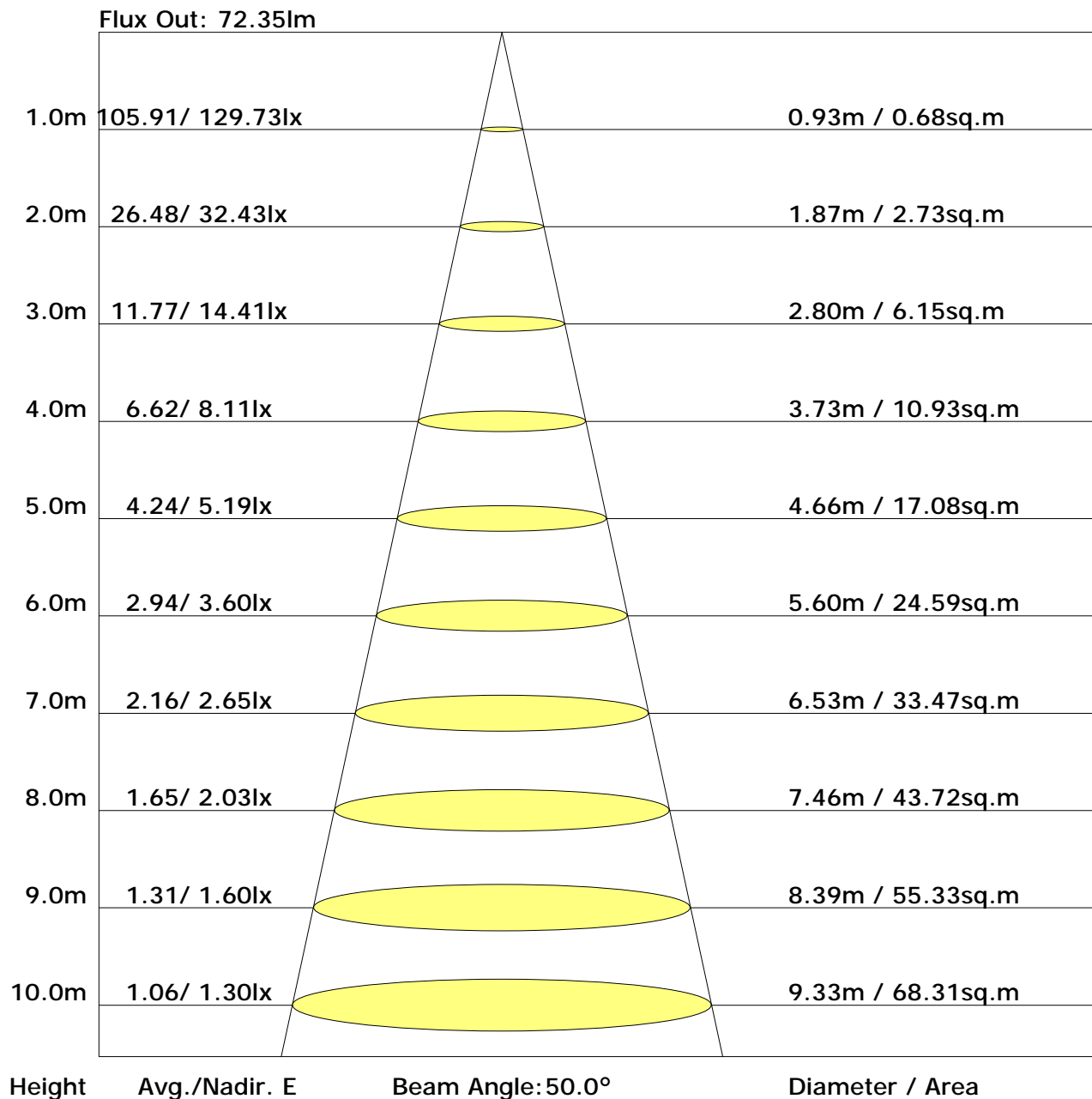
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
	-80	0.0	0.0	0.1	0.1	0.2	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	1.8	1.3
	-70	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	5.9	5.6
	-60	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	12.2	11.9
	-50	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	19.7	19.4
	-40	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	27.4	27.1
	-30	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	34.4	34.0
	-20	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	39.6	39.2
	-10	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	42.4	42.0
	0	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	42.3	42.0
	10	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	39.6	39.2
	20	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	34.4	34.1
	30	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	27.6	27.2
	40	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	20.0	19.6
	50	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	12.6	12.3
	60	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	6.5	6.1
	70	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	2.2	1.9
	80	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	0.3	0.0
	90	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	3.7	0.3	0.0
	Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	369	363

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	20.4	22.0	20.8	22.4	22.7	19.4	21.0	19.7	21.3	21.6
3H	22.2	23.7	22.6	24.0	24.4	20.8	22.3	21.2	22.7	23.0
4H	22.8	24.2	23.3	24.6	25.0	21.4	22.7	21.8	23.1	23.5
6H	23.3	24.6	23.7	25.0	25.4	21.7	23.0	22.1	23.3	23.8
8H	23.4	24.6	23.9	25.1	25.5	21.8	23.0	22.2	23.4	23.8
12H	23.5	24.7	24.0	25.1	25.5	21.8	23.0	22.3	23.4	23.8
X=4H Y=2H	20.7	22.1	21.2	22.5	22.9	20.0	21.4	20.4	21.7	22.1
3H	22.7	23.8	23.1	24.2	24.7	21.7	22.8	22.1	23.3	23.7
4H	23.4	24.4	23.8	24.9	25.3	22.3	23.3	22.7	23.8	24.2
6H	23.9	24.8	24.4	25.3	25.8	22.7	23.6	23.2	24.1	24.6
8H	24.1	24.9	24.6	25.4	25.9	22.8	23.7	23.3	24.2	24.6
12H	24.2	25.0	24.7	25.5	26.0	22.9	23.7	23.4	24.2	24.7
X=8H Y=4H	23.5	24.3	24.0	24.8	25.3	22.6	23.4	23.0	23.9	24.4
6H	24.1	24.8	24.6	25.3	25.8	23.1	23.8	23.6	24.3	24.8
8H	24.3	24.9	24.8	25.4	25.9	23.3	23.9	23.8	24.4	24.9
12H	24.4	25.0	24.9	25.5	26.1	23.4	23.9	23.9	24.5	25.0
X=12H Y=4H	23.5	24.3	24.0	24.7	25.2	22.6	23.4	23.1	23.9	24.3
6H	24.1	24.7	24.6	25.2	25.8	23.1	23.8	23.7	24.3	24.8
8H	24.3	24.9	24.8	25.4	25.9	23.3	23.9	23.9	24.4	25.0

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	0.56	0.67	0.74	0.79	0.87	0.92	0.95	1.00	1.03
	0.30		0.48	0.59	0.67	0.72	0.81	0.86	0.90	0.96	0.99
	0.20		0.43	0.53	0.61	0.67	0.75	0.82	0.86	0.92	0.96
0.50	0.50	0.20	0.55	0.65	0.71	0.77	0.84	0.88	0.92	0.96	0.99
	0.30		0.47	0.58	0.65	0.71	0.78	0.84	0.87	0.92	0.96
	0.20		0.42	0.53	0.60	0.66	0.74	0.80	0.84	0.89	0.93
0.30	0.50	0.20	0.53	0.63	0.69	0.74	0.80	0.85	0.88	0.92	0.95
	0.30		0.47	0.57	0.64	0.69	0.76	0.81	0.85	0.89	0.92
	0.20		0.42	0.52	0.59	0.65	0.72	0.78	0.81	0.87	0.90
0.00	0.00	0.00	0.40	0.49	0.56	0.61	0.69	0.74	0.77	0.82	0.85
Rating: 9W 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	1.00	0.82	0.70	0.61	0.49	0.40	0.35	0.27	0.22	
	0.30		0.83	0.71	0.61	0.54	0.44	0.37	0.32	0.25	0.21	
	0.20		0.71	0.62	0.54	0.49	0.40	0.34	0.30	0.24	0.20	
0.50	0.50	0.20	0.96	0.79	0.67	0.58	0.47	0.42	0.33	0.25	0.21	
	0.30		0.81	0.69	0.59	0.52	0.43	0.36	0.31	0.24	0.20	
	0.20		0.71	0.61	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.93	0.76	0.64	0.56	0.44	0.37	0.31	0.24	0.20	
	0.30		0.80	0.67	0.58	0.51	0.41	0.34	0.30	0.23	0.19	
	0.20		0.70	0.60	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.17	0.14	
<p>Rating:9W 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>												

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	0.17	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.05	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.17	0.19	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	0.10	0.11	0.13	0.14	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:9W 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	130.2	0.1	0.1	0.03	0.03
1.0-2.0	130.2	0.4	0.5	0.10	0.13
2.0-3.0	130.1	0.6	1.1	0.17	0.30
3.0-4.0	130.0	0.9	2.0	0.23	0.53
4.0-5.0	129.8	1.1	3.1	0.30	0.83
5.0-6.0	129.5	1.4	4.5	0.37	1.20
6.0-7.0	129.2	1.6	6.1	0.43	1.63
7.0-8.0	128.9	1.8	7.9	0.50	2.12
8.0-9.0	128.5	2.1	10.0	0.56	2.68
9.0-10.0	128.0	2.3	12.3	0.62	3.31
10.0-11.0	127.6	2.5	14.9	0.68	3.99
11.0-12.0	127.0	2.8	17.6	0.75	4.74
12.0-13.0	126.5	3.0	20.6	0.81	5.54
13.0-14.0	125.8	3.2	23.9	0.86	6.41
14.0-15.0	125.2	3.4	27.3	0.92	7.33
15.0-16.0	124.5	3.6	31.0	0.98	8.31
16.0-17.0	123.7	3.9	34.8	1.03	9.34
17.0-18.0	122.9	4.1	38.9	1.09	10.43
18.0-19.0	122.1	4.2	43.1	1.14	11.57
19.0-20.0	121.2	4.4	47.5	1.19	12.76
20.0-21.0	120.3	4.6	52.2	1.24	14.00
21.0-22.0	119.4	4.8	57.0	1.29	15.29
22.0-23.0	118.4	5.0	61.9	1.33	16.62
23.0-24.0	117.3	5.1	67.1	1.38	18.00
24.0-25.0	116.2	5.3	72.3	1.42	19.42
25.0-26.0	115.1	5.4	77.8	1.46	20.87
26.0-27.0	114.0	5.6	83.4	1.50	22.37
27.0-28.0	112.8	5.7	89.1	1.53	23.90
28.0-29.0	111.5	5.8	94.9	1.57	25.47
29.0-30.0	110.3	6.0	100.9	1.60	27.07
30.0-31.0	109.0	6.1	106.9	1.63	28.70
31.0-32.0	107.6	6.2	113.1	1.65	30.35
32.0-33.0	106.2	6.3	119.3	1.68	32.03
33.0-34.0	104.8	6.3	125.7	1.70	33.73
34.0-35.0	103.3	6.4	132.1	1.72	35.46
35.0-36.0	101.9	6.5	138.6	1.74	37.20

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	100.4	6.5	145.1	1.76	38.95
37.0-38.0	98.8	6.6	151.7	1.77	40.72
38.0-39.0	97.2	6.6	158.4	1.78	42.51
39.0-40.0	95.6	6.7	165.0	1.79	44.30
40.0-41.0	94.0	6.7	171.7	1.80	46.09
41.0-42.0	92.3	6.7	178.4	1.80	47.89
42.0-43.0	90.6	6.7	185.2	1.80	49.69
43.0-44.0	88.9	6.7	191.9	1.80	51.49
44.0-45.0	87.1	6.7	198.6	1.80	53.29
45.0-46.0	85.3	6.7	205.2	1.79	55.08
46.0-47.0	83.5	6.6	211.9	1.78	56.86
47.0-48.0	81.6	6.6	218.5	1.77	58.63
48.0-49.0	79.8	6.6	225.0	1.76	60.39
49.0-50.0	77.9	6.5	231.5	1.74	62.14
50.0-51.0	76.0	6.4	237.9	1.73	63.86
51.0-52.0	74.0	6.4	244.3	1.70	65.57
52.0-53.0	72.0	6.3	250.6	1.68	67.25
53.0-54.0	70.0	6.2	256.7	1.66	68.90
54.0-55.0	68.0	6.1	262.8	1.63	70.53
55.0-56.0	66.0	6.0	268.8	1.60	72.14
56.0-57.0	63.9	5.8	274.6	1.57	73.70
57.0-58.0	61.9	5.7	280.3	1.54	75.24
58.0-59.0	59.8	5.6	285.9	1.50	76.74
59.0-60.0	57.7	5.4	291.4	1.46	78.20
60.0-61.0	55.5	5.3	296.7	1.42	79.62
61.0-62.0	53.4	5.1	301.8	1.38	81.00
62.0-63.0	51.2	5.0	306.8	1.34	82.34
63.0-64.0	49.0	4.8	311.6	1.29	83.63
64.0-65.0	46.9	4.6	316.3	1.25	84.88
65.0-66.0	44.7	4.5	320.7	1.20	86.08
66.0-67.0	42.5	4.3	325.0	1.15	87.22
67.0-68.0	40.3	4.1	329.1	1.10	88.32
68.0-69.0	38.1	3.9	333.0	1.04	89.36
69.0-70.0	35.9	3.7	336.6	0.99	90.35
70.0-71.0	33.7	3.5	340.1	0.93	91.28
71.0-72.0	31.5	3.3	343.4	0.88	92.16

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	29.3	3.1	346.5	0.82	92.99
73.0-74.0	27.2	2.9	349.3	0.77	93.76
74.0-75.0	25.1	2.6	352.0	0.71	94.47
75.0-76.0	22.9	2.4	354.4	0.65	95.12
76.0-77.0	20.9	2.2	356.6	0.60	95.72
77.0-78.0	18.8	2.0	358.7	0.54	96.26
78.0-79.0	16.9	1.8	360.5	0.49	96.75
79.0-80.0	14.9	1.6	362.1	0.43	97.18
80.0-81.0	13.1	1.4	363.5	0.38	97.56
81.0-82.0	11.3	1.2	364.7	0.33	97.88
82.0-83.0	9.5	1.0	365.8	0.28	98.16
83.0-84.0	7.9	0.9	366.6	0.23	98.39
84.0-85.0	6.4	0.7	367.3	0.19	98.58
85.0-86.0	5.0	0.5	367.9	0.15	98.73
86.0-87.0	3.7	0.4	368.3	0.11	98.84
87.0-88.0	2.7	0.3	368.6	0.08	98.92
88.0-89.0	2.0	0.2	368.8	0.06	98.98
89.0-90.0	1.3	0.1	368.9	0.04	99.01
90.0-91.0	0.8	0.1	369.0	0.02	99.04
91.0-92.0	0.4	0.0	369.1	0.01	99.05
92.0-93.0	0.3	0.0	369.1	0.01	99.06
93.0-94.0	0.3	0.0	369.1	0.01	99.07
94.0-95.0	0.3	0.0	369.2	0.01	99.08
95.0-96.0	0.3	0.0	369.2	0.01	99.08
96.0-97.0	0.3	0.0	369.2	0.01	99.09
97.0-98.0	0.3	0.0	369.2	0.01	99.10
98.0-99.0	0.3	0.0	369.3	0.01	99.11
99.0-100.0	0.3	0.0	369.3	0.01	99.12
100.0-101.0	0.3	0.0	369.3	0.01	99.12
101.0-102.0	0.3	0.0	369.4	0.01	99.13
102.0-103.0	0.3	0.0	369.4	0.01	99.14
103.0-104.0	0.3	0.0	369.4	0.01	99.15
104.0-105.0	0.3	0.0	369.5	0.01	99.16
105.0-106.0	0.3	0.0	369.5	0.01	99.17
106.0-107.0	0.4	0.0	369.5	0.01	99.18
107.0-108.0	0.4	0.0	369.6	0.01	99.19

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	0.4	0.0	369.6	0.01	99.20
109.0-110.0	0.4	0.0	369.7	0.01	99.21
110.0-111.0	0.4	0.0	369.7	0.01	99.22
111.0-112.0	0.4	0.0	369.8	0.01	99.24
112.0-113.0	0.4	0.0	369.8	0.01	99.25
113.0-114.0	0.4	0.0	369.8	0.01	99.26
114.0-115.0	0.5	0.0	369.9	0.01	99.27
115.0-116.0	0.5	0.0	369.9	0.01	99.28
116.0-117.0	0.5	0.0	370.0	0.01	99.30
117.0-118.0	0.5	0.0	370.0	0.01	99.31
118.0-119.0	0.5	0.0	370.1	0.01	99.32
119.0-120.0	0.5	0.0	370.1	0.01	99.34
120.0-121.0	0.5	0.1	370.2	0.01	99.35
121.0-122.0	0.6	0.1	370.2	0.01	99.36
122.0-123.0	0.6	0.1	370.3	0.01	99.38
123.0-124.0	0.6	0.1	370.3	0.01	99.39
124.0-125.0	0.6	0.1	370.4	0.01	99.41
125.0-126.0	0.6	0.1	370.5	0.01	99.42
126.0-127.0	0.6	0.1	370.5	0.02	99.44
127.0-128.0	0.7	0.1	370.6	0.02	99.45
128.0-129.0	0.7	0.1	370.6	0.02	99.47
129.0-130.0	0.7	0.1	370.7	0.02	99.48
130.0-131.0	0.7	0.1	370.7	0.02	99.50
131.0-132.0	0.7	0.1	370.8	0.02	99.51
132.0-133.0	0.7	0.1	370.8	0.02	99.53
133.0-134.0	0.7	0.1	370.9	0.02	99.54
134.0-135.0	0.7	0.1	371.0	0.02	99.56
135.0-136.0	0.7	0.1	371.0	0.02	99.57
136.0-137.0	0.7	0.1	371.1	0.02	99.59
137.0-138.0	0.8	0.1	371.1	0.01	99.60
138.0-139.0	0.8	0.1	371.2	0.02	99.62
139.0-140.0	0.8	0.1	371.2	0.02	99.63
140.0-141.0	0.8	0.1	371.3	0.02	99.65
141.0-142.0	0.8	0.1	371.4	0.01	99.66
142.0-143.0	0.8	0.1	371.4	0.01	99.68
143.0-144.0	0.8	0.1	371.5	0.01	99.69

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	0.8	0.1	371.5	0.01	99.71
145.0-146.0	0.9	0.1	371.6	0.01	99.72
146.0-147.0	0.9	0.1	371.6	0.01	99.74
147.0-148.0	0.9	0.1	371.7	0.01	99.75
148.0-149.0	0.9	0.1	371.7	0.01	99.76
149.0-150.0	0.9	0.1	371.8	0.01	99.78
150.0-151.0	0.9	0.0	371.8	0.01	99.79
151.0-152.0	0.9	0.0	371.9	0.01	99.80
152.0-153.0	0.9	0.0	371.9	0.01	99.82
153.0-154.0	0.9	0.0	372.0	0.01	99.83
154.0-155.0	1.0	0.0	372.0	0.01	99.84
155.0-156.0	1.0	0.0	372.1	0.01	99.85
156.0-157.0	1.0	0.0	372.1	0.01	99.86
157.0-158.0	1.0	0.0	372.1	0.01	99.87
158.0-159.0	1.0	0.0	372.2	0.01	99.88
159.0-160.0	1.0	0.0	372.2	0.01	99.89
160.0-161.0	1.0	0.0	372.2	0.01	99.90
161.0-162.0	1.0	0.0	372.3	0.01	99.91
162.0-163.0	1.0	0.0	372.3	0.01	99.92
163.0-164.0	1.0	0.0	372.3	0.01	99.93
164.0-165.0	1.0	0.0	372.4	0.01	99.94
165.0-166.0	1.0	0.0	372.4	0.01	99.95
166.0-167.0	1.0	0.0	372.4	0.01	99.95
167.0-168.0	1.0	0.0	372.5	0.01	99.96
168.0-169.0	1.0	0.0	372.5	0.01	99.97
169.0-170.0	1.1	0.0	372.5	0.01	99.97
170.0-171.0	1.1	0.0	372.5	0.01	99.98
171.0-172.0	1.1	0.0	372.5	0.00	99.98
172.0-173.0	1.1	0.0	372.6	0.00	99.99
173.0-174.0	1.1	0.0	372.6	0.00	99.99
174.0-175.0	1.1	0.0	372.6	0.00	99.99
175.0-176.0	1.1	0.0	372.6	0.00	100.00
176.0-177.0	1.1	0.0	372.6	0.00	100.00
177.0-178.0	1.1	0.0	372.6	0.00	100.00
178.0-179.0	1.1	0.0	372.6	0.00	100.00
179.0-180.0	1.1	0.0	372.6	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: