

Report No.:

Test Time: 2023/3/1 16:33

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: WALL WASHER RGBW4000K

Luminaire Description: Deco Linear Floodlight+Blue on

Luminous Length (mm): 330

Luminous Width (mm): 125

Luminous Height (mm): 6.5

Voltage: 119.6 V

Current: 0.172 A

Power: 9.62 W

Power Factor: 0.467

## Photometric Results

CIE Class: Direct

Measurement Flux: 123.3 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(10%,50%): H116.4,H60.5

Vertical Diffuse Angle(10%,50%): V103.3,V60.1

Luminaire Efficacy Rating (LER): 13

Max. Intensity: 126.46 cd

Total Rated Lamp Lumens: 123.3 lm

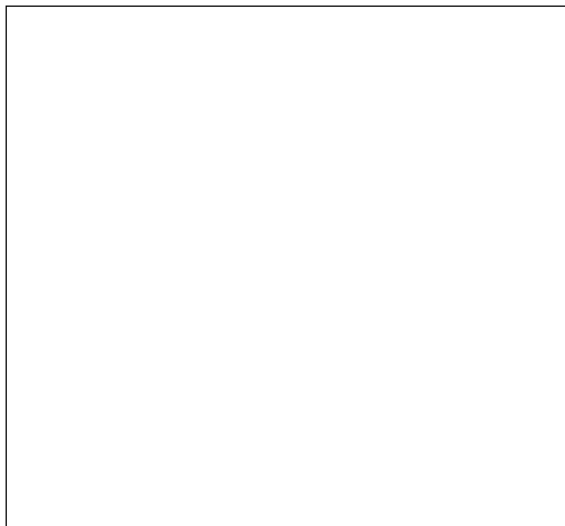
Efficiency: 100%

Upward Ratio: 2%

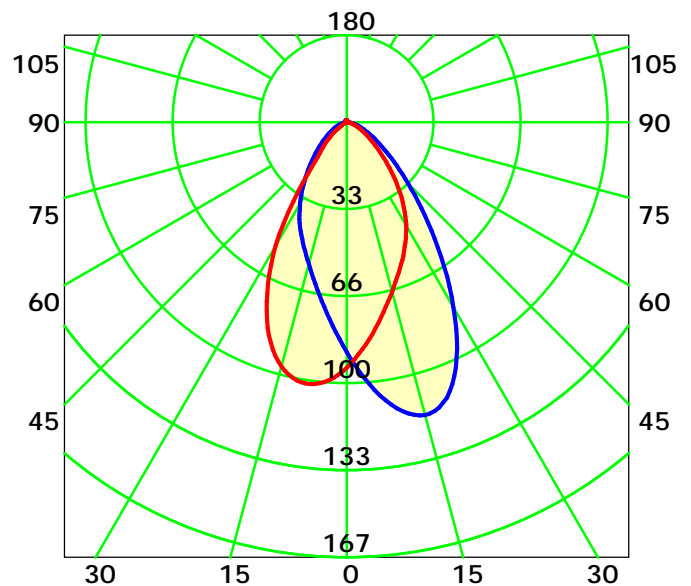
Central Intensity: 88.2 cd

Pos of Max. Intensity: H330 V14

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 60.3° 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

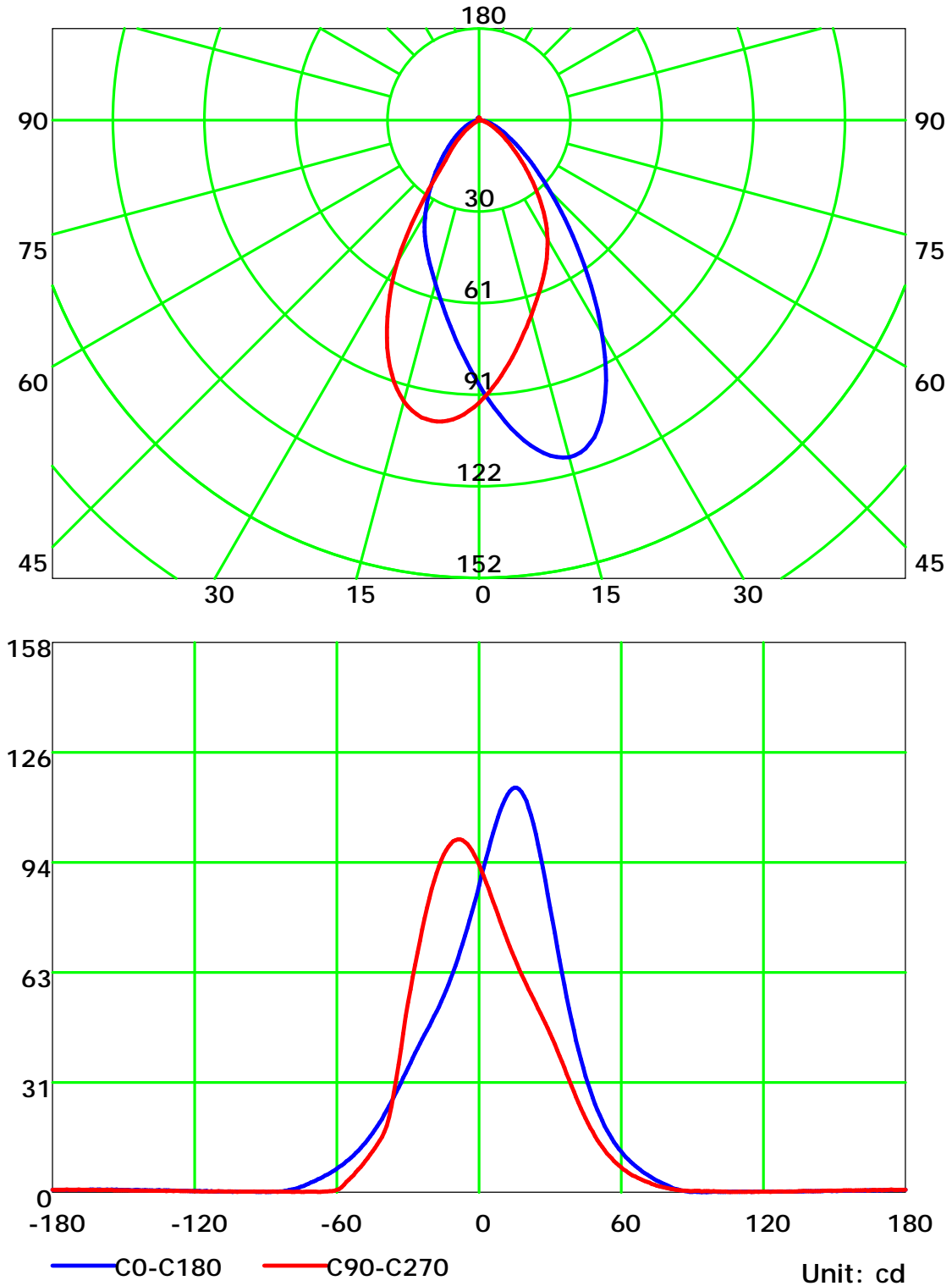
Distance: 9.028 m

Humidity: 60%

Inspector:



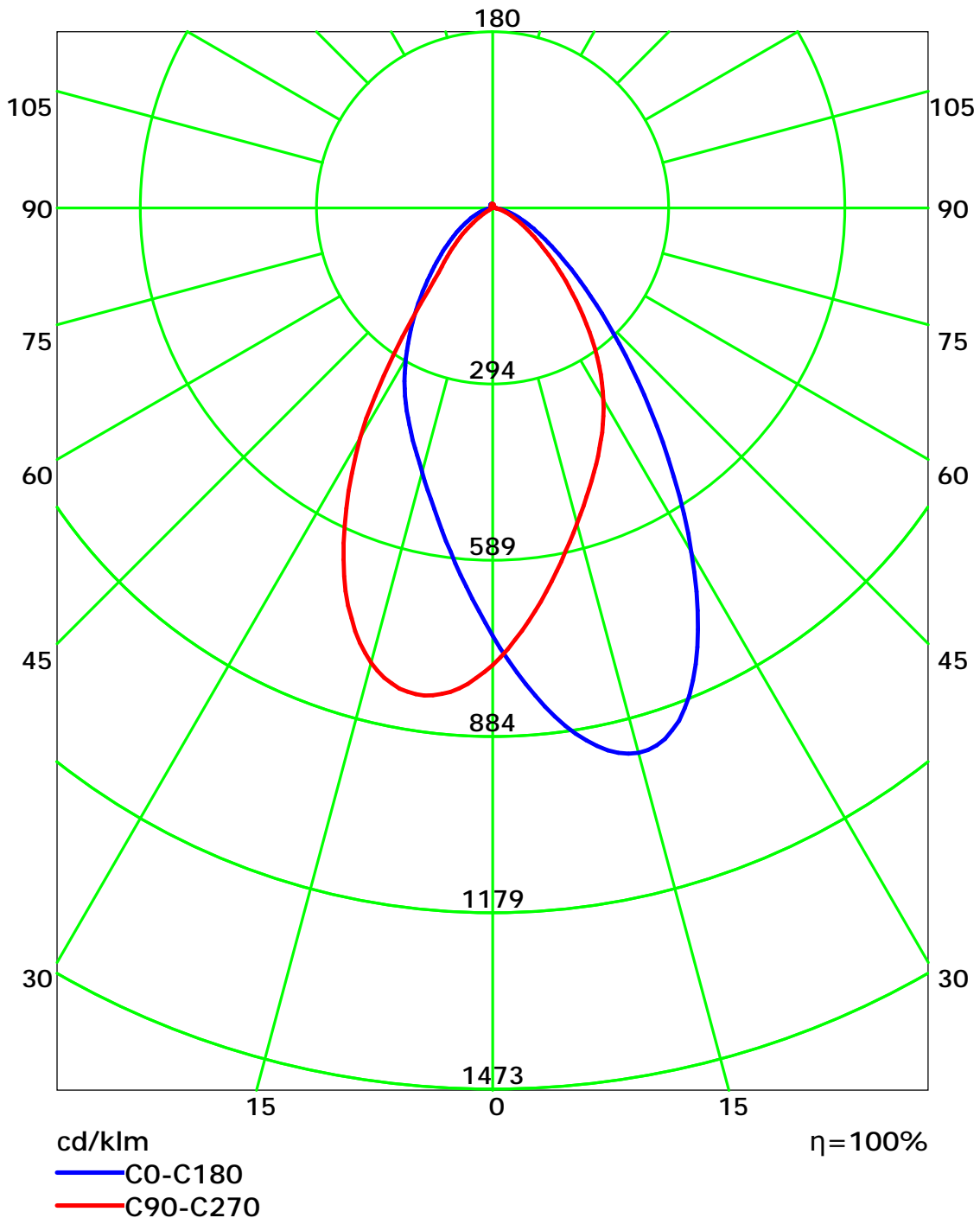
## Luminous Intensity Distribution Curve



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:

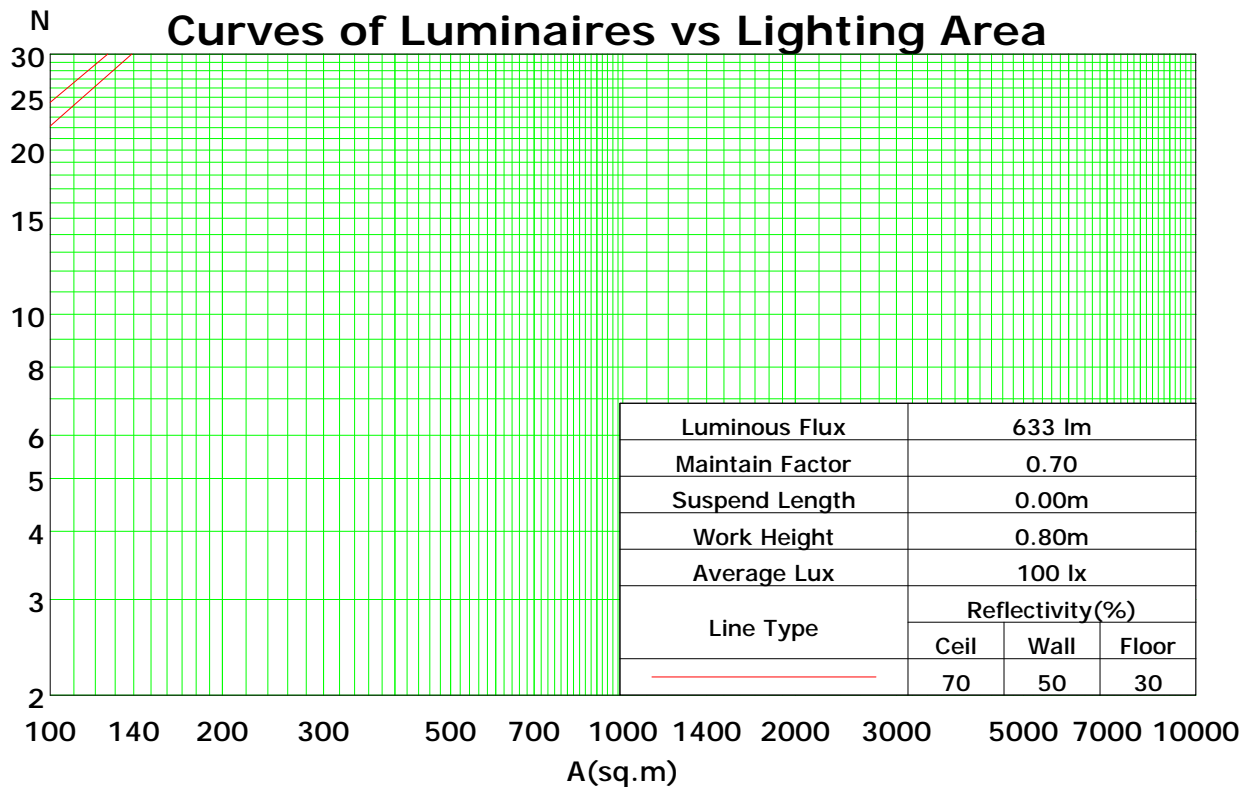
## Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	111	108	105	102	109	106	103	100	101	99	97	97	95	94	93	92	91	89
2	104	98	93	89	102	96	92	88	93	89	86	89	86	83	86	84	81	79
3	98	90	84	79	95	88	82	78	85	80	76	82	78	75	80	76	73	72
4	91	82	75	70	89	81	75	70	78	73	69	76	71	68	74	70	67	65
5	86	76	69	63	84	74	68	63	72	67	62	70	65	61	68	64	61	59
6	80	70	63	57	79	69	62	57	67	61	57	65	60	56	64	59	55	54
7	76	65	58	53	74	64	57	52	62	56	52	61	55	51	59	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	45
9	67	56	49	45	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	53	46	41	62	52	46	41	51	45	41	50	45	41	49	44	41	39

Spacing Criteria (0-180): 1.06

Spacing Criteria (90-270): 0.92

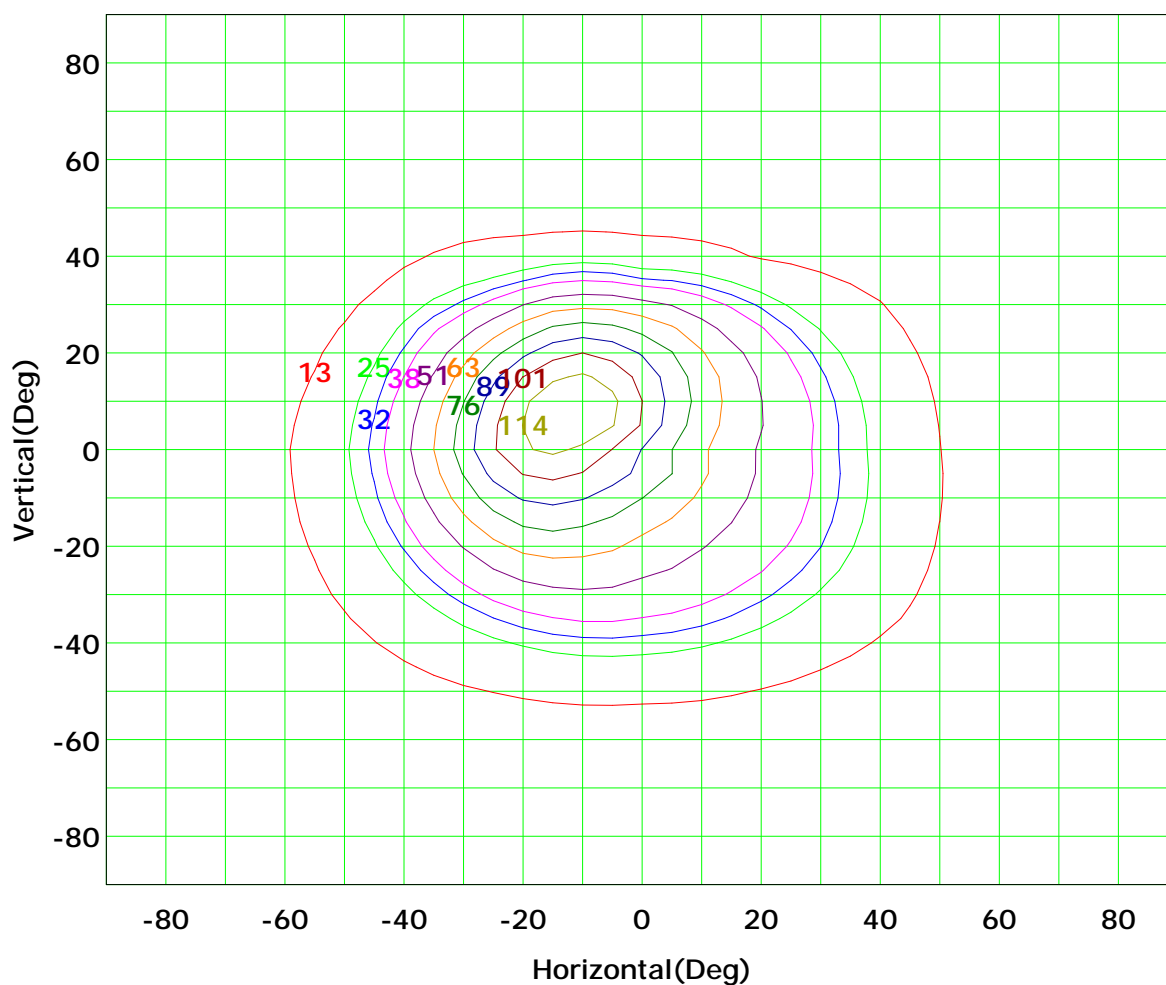
Spacing Criteria (Diagonal): 1.01



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)



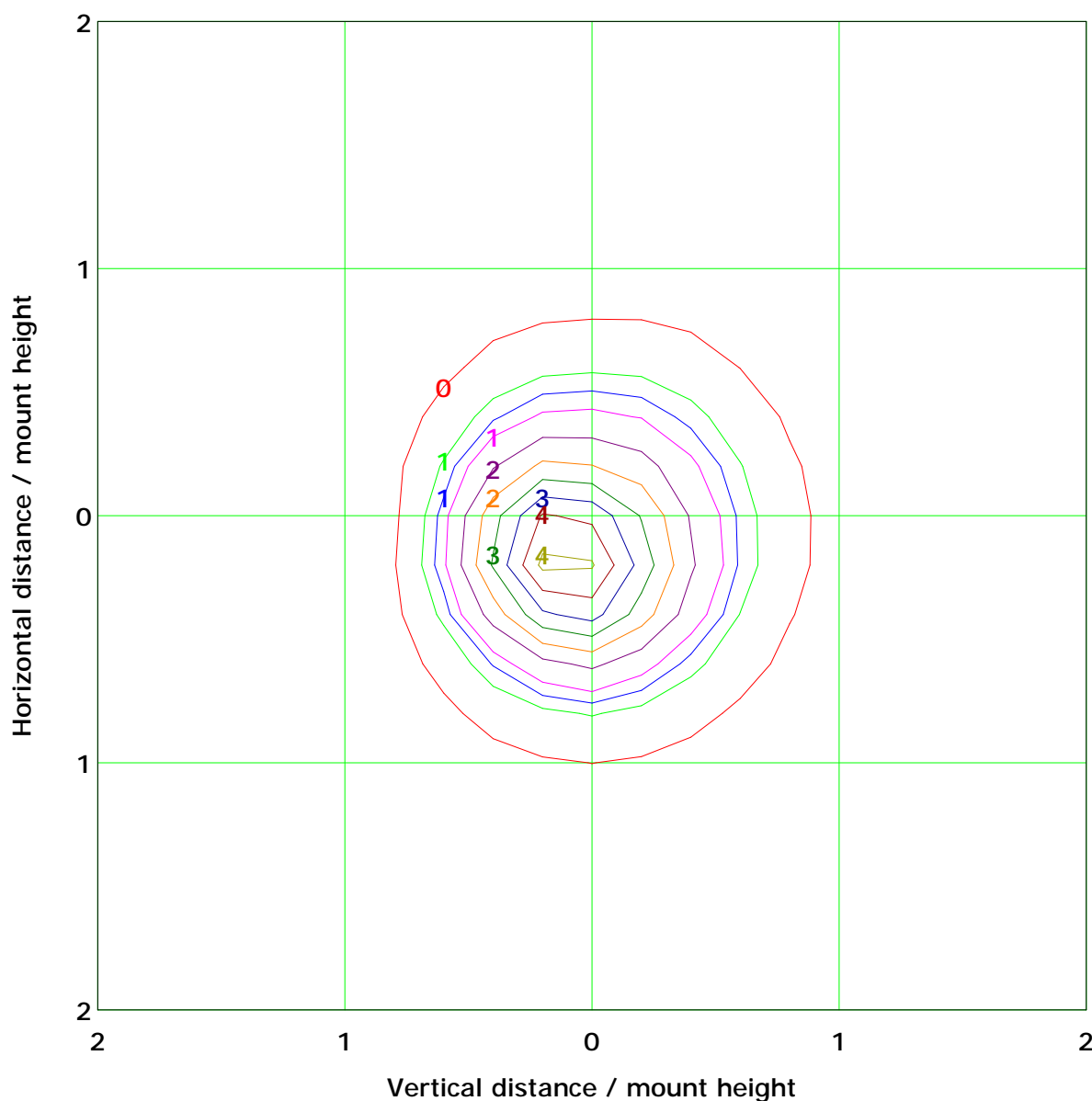
I<sub>max</sub> (100%): 126 cd

( 10%):	13 cd	( 20%):	25 cd
( 25%):	32 cd	( 30%):	38 cd
( 40%):	51 cd	( 50%):	63 cd
( 60%):	76 cd	( 70%):	89 cd
( 80%):	101 cd	( 90%):	114 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%): 4.7 lx

( 10%): 0.5 lx	( 20%): 0.9 lx
( 25%): 1.2 lx	( 30%): 1.4 lx
( 40%): 1.9 lx	( 50%): 2.3 lx
( 60%): 2.8 lx	( 70%): 3.3 lx
( 80%): 3.8 lx	( 90%): 4.2 lx

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

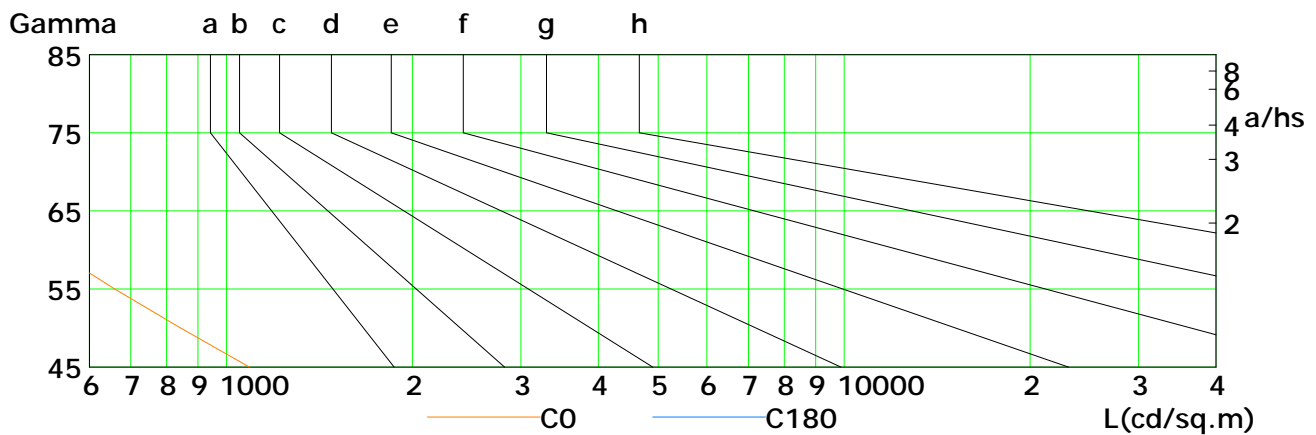
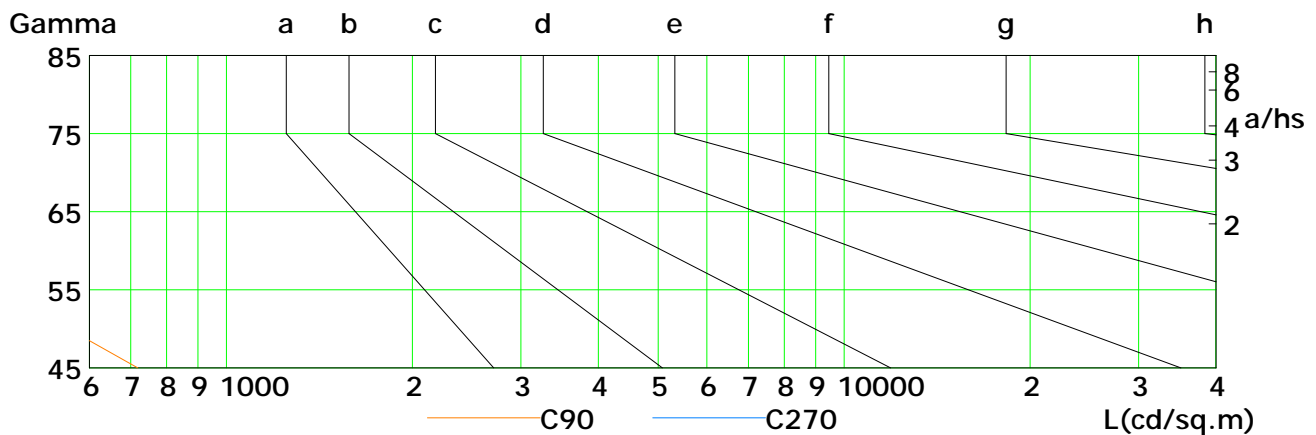
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:



## 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

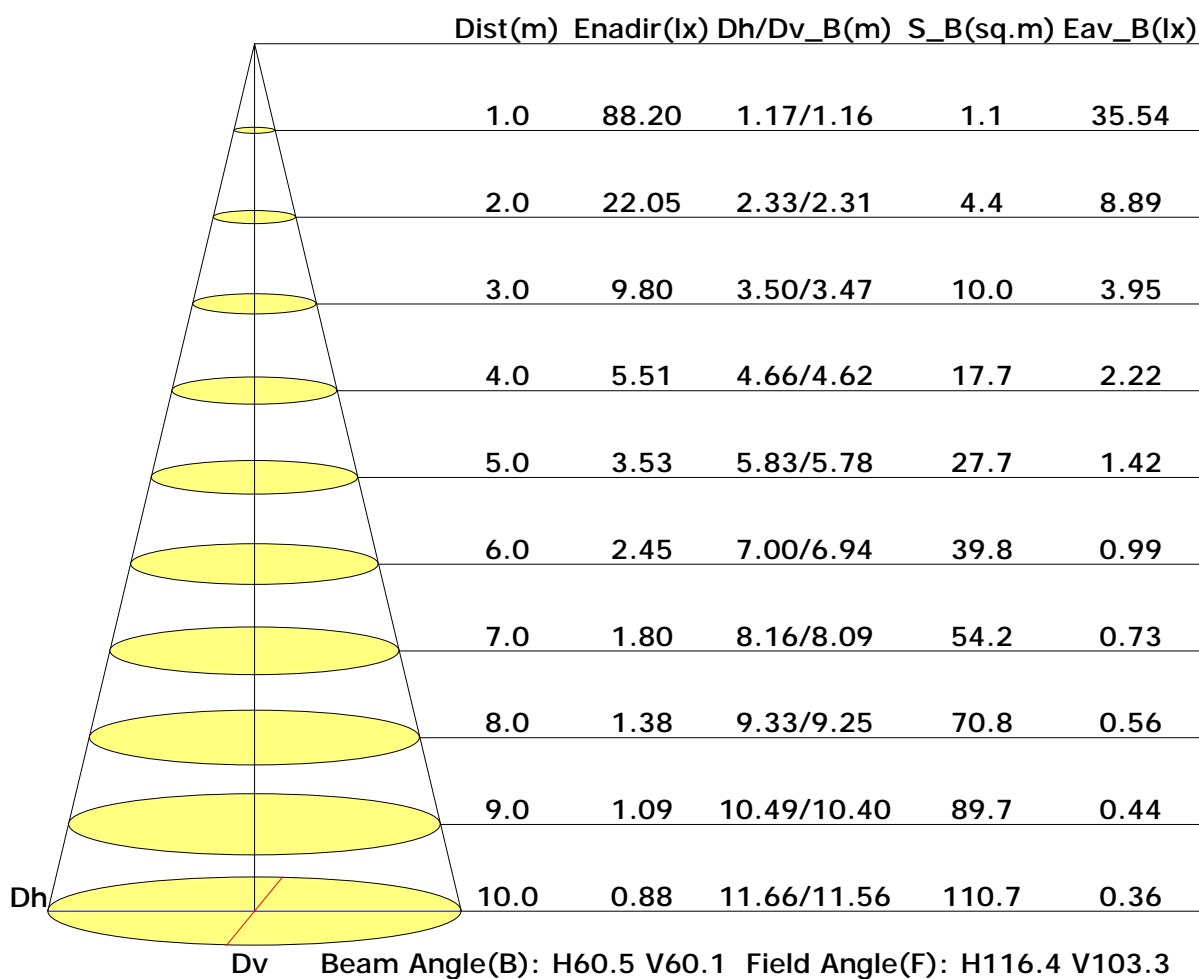


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1091	843	660	524	426	347	273	202	122
C90	719	555	433	341	269	224	176	147	152
C180	557	455	371	307	253	194	136	89	52
C270	399	272	152	37	18	17	14	36	41

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:

## Illuminance at a Distance

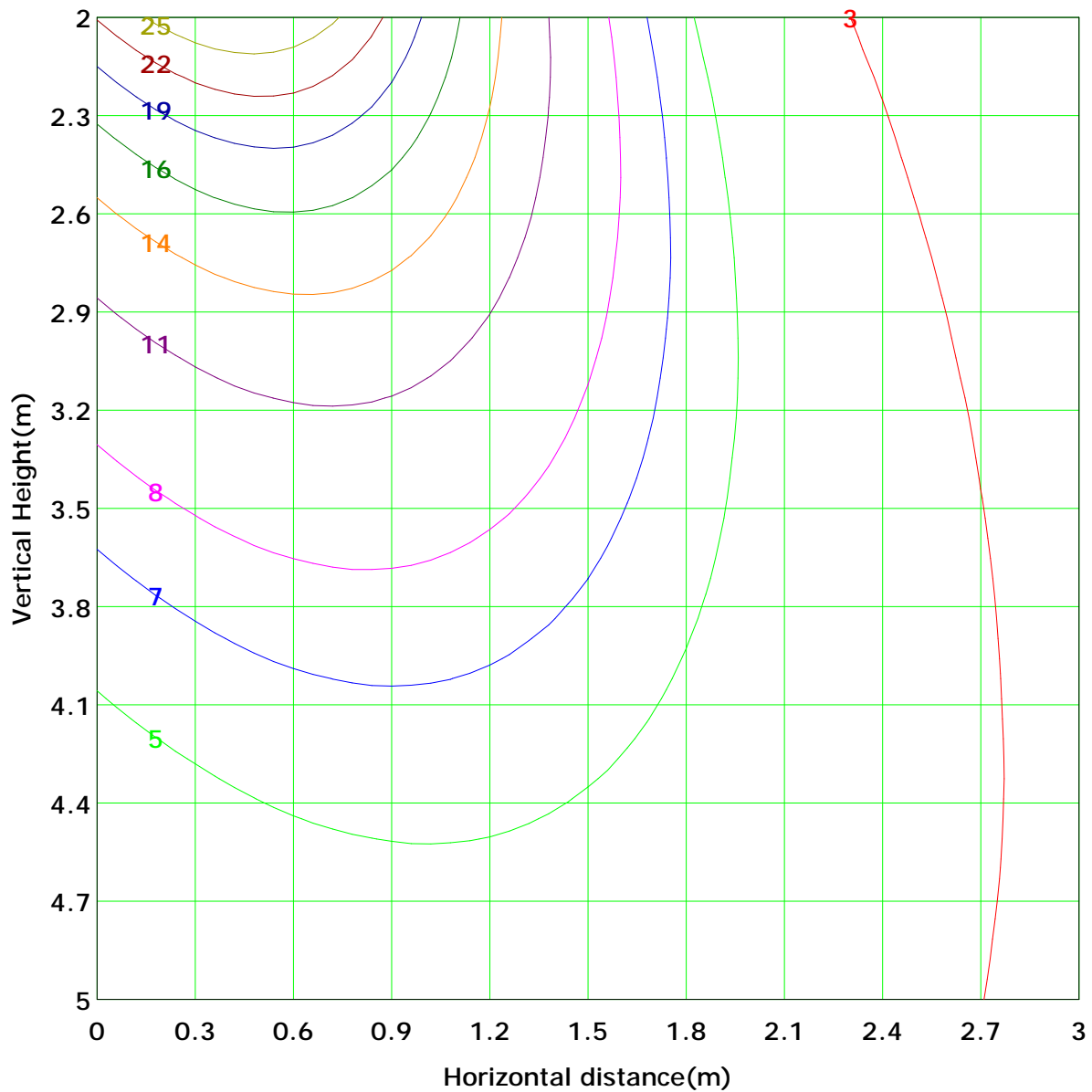


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Nick

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: 27.3 lx
( 10%): 2.7 lx	( 20%): 5.5 lx	
( 25%): 6.8 lx	( 30%): 8.2 lx	
( 40%): 10.9 lx	( 50%): 13.7 lx	
( 60%): 16.4 lx	( 70%): 19.1 lx	
( 80%): 21.9 lx	( 90%): 24.6 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

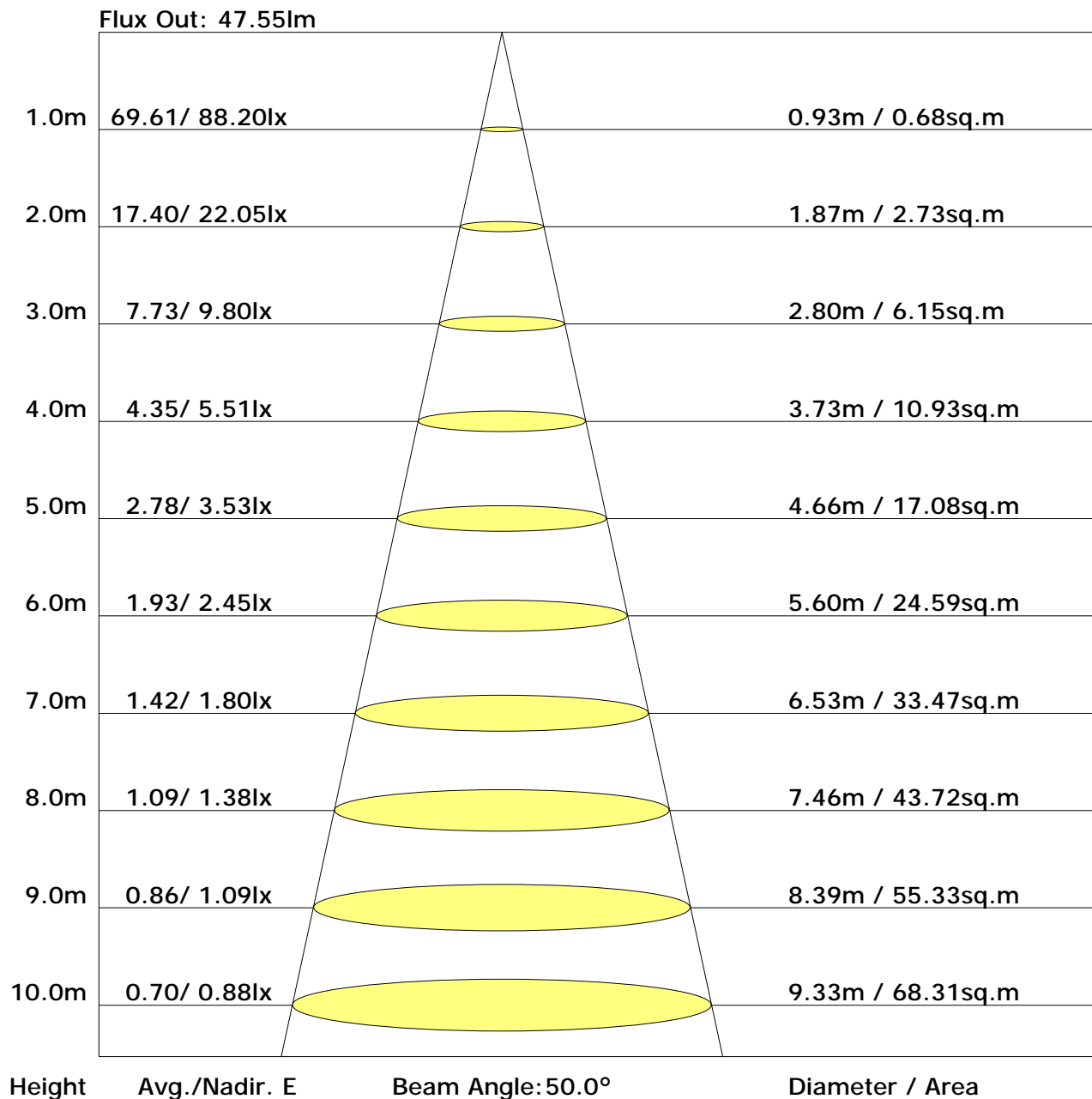
		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-70	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-50	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
	-40	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0
	-30	0.0	0.0	0.1	0.1	0.3	0.5	0.9	1.1	1.2	1.2	1.2	1.1	0.9	0.7	0.5	0.2	0.1	0.0	0.0	0.0	0.0
	-20	0.0	0.1	0.1	0.1	0.3	0.6	1.1	1.7	1.7	1.7	1.7	1.5	1.2	0.9	0.7	0.4	0.2	0.1	0.0	0.0	0.0
	-10	0.0	0.1	0.1	0.2	0.4	0.7	1.2	2.3	2.5	2.5	2.3	1.9	1.5	1.1	0.7	0.3	0.2	0.1	0.0	0.0	0.0
	0	0.0	0.1	0.1	0.2	0.4	0.7	1.2	2.8	3.4	3.4	3.0	2.2	1.7	1.2	0.7	0.3	0.2	0.1	0.0	0.0	0.0
	10	0.0	0.1	0.1	0.2	0.4	0.7	1.2	3.5	3.5	3.2	2.3	1.9	1.4	0.9	0.5	0.2	0.1	0.0	0.0	0.0	0.0
	20	0.0	0.1	0.1	0.2	0.4	0.7	1.2	2.7	2.7	2.3	1.6	1.1	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0
	30	0.0	0.1	0.1	0.2	0.4	0.7	1.2	1.5	1.5	1.3	0.9	0.6	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
	40	0.0	0.1	0.1	0.2	0.4	0.7	1.2	0.7	0.7	0.6	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50	0.0	0.1	0.1	0.2	0.4	0.7	1.2	0.6	0.6	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	60	0.0	0.1	0.1	0.2	0.4	0.7	1.2	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70	0.0	0.1	0.1	0.2	0.4	0.7	1.2	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80	0.0	0.1	0.1	0.2	0.4	0.7	1.2	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90	0.0	0.1	0.6	1.4	3.0	5.5	8.6	12.3	16.3	19.8	19.9	15.5	9.4	4.8	2.2	0.9	0.3	0.0	0.0	121	108

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	15.5	16.7	15.9	17.0	17.4	13.7	14.9	14.1	15.2	15.6
3H	16.5	17.6	16.9	18.0	18.4	14.5	15.6	14.9	15.9	16.4
4H	16.9	17.9	17.3	18.3	18.7	14.7	15.7	15.2	16.1	16.6
6H	17.1	18.0	17.5	18.4	18.8	14.9	15.8	15.3	16.2	16.7
8H	17.1	18.0	17.6	18.4	18.9	14.9	15.8	15.4	16.2	16.7
12H	17.1	17.9	17.6	18.4	18.9	14.9	15.8	15.4	16.2	16.7
X=4H Y=2H	15.5	16.5	15.9	16.9	17.3	14.1	15.1	14.5	15.5	15.9
3H	16.7	17.5	17.1	17.9	18.4	15.1	15.9	15.5	16.3	16.8
4H	17.1	17.8	17.6	18.3	18.8	15.4	16.1	15.9	16.6	17.1
6H	17.4	18.0	17.9	18.5	19.0	15.6	16.2	16.1	16.7	17.2
8H	17.4	18.0	17.9	18.5	19.0	15.6	16.2	16.2	16.7	17.2
12H	17.5	18.0	18.0	18.5	19.0	15.7	16.2	16.2	16.7	17.2
X=8H Y=4H	17.0	17.6	17.5	18.1	18.6	15.5	16.1	16.0	16.6	17.1
6H	17.4	17.8	17.9	18.4	18.9	15.8	16.3	16.3	16.8	17.3
8H	17.5	17.9	18.0	18.4	19.0	15.9	16.3	16.5	16.9	17.4
12H	17.5	17.9	18.1	18.4	19.0	16.0	16.4	16.5	16.9	17.5
X=12H Y=4H	17.0	17.5	17.5	18.0	18.5	15.5	16.0	16.0	16.5	17.1
6H	17.3	17.7	17.9	18.3	18.8	15.8	16.2	16.4	16.7	17.3
8H	17.4	17.8	18.0	18.3	19.0	15.9	16.3	16.5	16.8	17.5

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	0.73	0.82	0.88	0.91	0.97	1.00	1.03	1.06	1.08
	0.30		0.68	0.76	0.82	0.86	0.92	0.96	0.99	1.03	1.05
	0.20		0.63	0.72	0.78	0.83	0.89	0.93	0.96	1.00	1.03
0.50	0.50	0.20	0.72	0.80	0.85	0.89	0.94	0.97	0.99	1.01	1.03
	0.30		0.67	0.75	0.81	0.85	0.90	0.93	0.96	0.99	1.01
	0.20		0.63	0.71	0.77	0.81	0.87	0.91	0.93	0.97	1.00
0.30	0.50	0.20	0.70	0.78	0.83	0.86	0.91	0.93	0.95	0.98	0.99
	0.30		0.66	0.74	0.79	0.83	0.88	0.91	0.93	0.96	0.98
	0.20		0.62	0.71	0.76	0.80	0.85	0.88	0.91	0.94	0.96
0.00	0.00	0.00	0.60	0.68	0.73	0.77	0.82	0.85	0.87	0.89	0.91
Rating: 10W 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 = 1.00									
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	0.74	0.59	0.50	0.43	0.34	0.28	0.24	0.18	0.15	
	0.30		0.62	0.51	0.43	0.38	0.30	0.25	0.22	0.17	0.14	
	0.20		0.53	0.44	0.38	0.34	0.28	0.23	0.20	0.16	0.13	
0.50	0.50	0.20	0.70	0.56	0.47	0.40	0.32	0.30	0.22	0.17	0.14	
	0.30		0.60	0.49	0.41	0.36	0.29	0.24	0.21	0.16	0.13	
	0.20		0.52	0.43	0.37	0.33	0.27	0.22	0.19	0.15	0.13	
0.30	0.50	0.20	0.67	0.53	0.44	0.38	0.29	0.24	0.20	0.16	0.13	
	0.30		0.58	0.47	0.40	0.34	0.27	0.23	0.19	0.15	0.12	
	0.20		0.50	0.42	0.36	0.31	0.25	0.21	0.18	0.14	0.12	
0.00	0.00	0.00	0.38	0.30	0.25	0.22	0.17	0.14	0.12	0.09	0.07	
<p>Rating: 10W 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 = 1.00								
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	0.21	0.21	0.22	0.23	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.21	0.21
	0.20		0.07	0.09	0.11	0.12	0.14	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.22	0.22
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.17	0.18	0.19
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Rating: 10W 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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	92.4	0.1	0.1	0.07	0.07
1.0-2.0	92.4	0.3	0.4	0.22	0.29
2.0-3.0	92.3	0.4	0.8	0.36	0.65
3.0-4.0	92.2	0.6	1.4	0.50	1.15
4.0-5.0	91.9	0.8	2.2	0.64	1.79
5.0-6.0	91.7	1.0	3.2	0.78	2.57
6.0-7.0	91.3	1.1	4.3	0.92	3.49
7.0-8.0	90.9	1.3	5.6	1.06	4.54
8.0-9.0	90.4	1.5	7.1	1.19	5.73
9.0-10.0	89.8	1.6	8.7	1.32	7.05
10.0-11.0	89.2	1.8	10.5	1.45	8.50
11.0-12.0	88.4	1.9	12.4	1.57	10.06
12.0-13.0	87.5	2.1	14.5	1.68	11.75
13.0-14.0	86.5	2.2	16.7	1.80	13.55
14.0-15.0	85.4	2.3	19.0	1.90	15.45
15.0-16.0	84.2	2.5	21.5	2.00	17.45
16.0-17.0	82.9	2.6	24.1	2.09	19.54
17.0-18.0	81.4	2.7	26.8	2.18	21.72
18.0-19.0	79.8	2.8	29.6	2.25	23.97
19.0-20.0	78.2	2.9	32.4	2.32	26.29
20.0-21.0	76.4	2.9	35.3	2.38	28.67
21.0-22.0	74.5	3.0	38.3	2.43	31.10
22.0-23.0	72.4	3.0	41.4	2.47	33.57
23.0-24.0	70.3	3.1	44.5	2.49	36.06
24.0-25.0	68.1	3.1	47.6	2.51	38.57
25.0-26.0	65.8	3.1	50.7	2.52	41.09
26.0-27.0	63.4	3.1	53.8	2.52	43.61
27.0-28.0	61.0	3.1	56.8	2.50	46.11
28.0-29.0	58.5	3.1	59.9	2.48	48.60
29.0-30.0	56.0	3.0	62.9	2.45	51.05
30.0-31.0	53.4	3.0	65.9	2.41	53.46
31.0-32.0	50.8	2.9	68.8	2.36	55.82
32.0-33.0	48.1	2.8	71.6	2.30	58.12
33.0-34.0	45.5	2.8	74.4	2.24	60.35
34.0-35.0	42.9	2.7	77.1	2.16	62.52
35.0-36.0	40.4	2.6	79.6	2.08	64.60

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 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	37.8	2.5	82.1	2.00	66.60
37.0-38.0	35.3	2.4	84.5	1.91	68.51
38.0-39.0	32.9	2.2	86.7	1.82	70.34
39.0-40.0	30.7	2.1	88.9	1.74	72.07
40.0-41.0	28.6	2.0	90.9	1.65	73.73
41.0-42.0	26.6	1.9	92.8	1.57	75.30
42.0-43.0	24.8	1.8	94.7	1.49	76.79
43.0-44.0	23.1	1.7	96.4	1.42	78.20
44.0-45.0	21.6	1.7	98.1	1.35	79.55
45.0-46.0	20.2	1.6	99.6	1.28	80.83
46.0-47.0	18.8	1.5	101.1	1.21	82.04
47.0-48.0	17.5	1.4	102.6	1.15	83.19
48.0-49.0	16.3	1.3	103.9	1.09	84.28
49.0-50.0	15.1	1.3	105.2	1.02	85.30
50.0-51.0	14.0	1.2	106.3	0.96	86.26
51.0-52.0	13.0	1.1	107.5	0.91	87.17
52.0-53.0	12.0	1.0	108.5	0.85	88.02
53.0-54.0	11.1	1.0	109.5	0.80	88.82
54.0-55.0	10.3	0.9	110.4	0.74	89.56
55.0-56.0	9.5	0.9	111.3	0.69	90.25
56.0-57.0	8.7	0.8	112.1	0.64	90.90
57.0-58.0	8.0	0.7	112.8	0.60	91.49
58.0-59.0	7.3	0.7	113.5	0.55	92.05
59.0-60.0	6.7	0.6	114.1	0.52	92.56
60.0-61.0	6.2	0.6	114.7	0.48	93.04
61.0-62.0	5.7	0.5	115.2	0.44	93.48
62.0-63.0	5.2	0.5	115.7	0.41	93.89
63.0-64.0	4.7	0.5	116.2	0.38	94.27
64.0-65.0	4.4	0.4	116.6	0.35	94.62
65.0-66.0	4.0	0.4	117.1	0.33	94.95
66.0-67.0	3.7	0.4	117.4	0.30	95.25
67.0-68.0	3.4	0.3	117.8	0.28	95.53
68.0-69.0	3.1	0.3	118.1	0.26	95.79
69.0-70.0	2.8	0.3	118.4	0.24	96.03
70.0-71.0	2.6	0.3	118.7	0.22	96.24
71.0-72.0	2.4	0.2	118.9	0.20	96.44

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	2.1	0.2	119.1	0.18	96.62
73.0-74.0	1.9	0.2	119.3	0.16	96.79
74.0-75.0	1.7	0.2	119.5	0.15	96.93
75.0-76.0	1.5	0.2	119.7	0.13	97.06
76.0-77.0	1.4	0.1	119.8	0.12	97.18
77.0-78.0	1.2	0.1	119.9	0.11	97.29
78.0-79.0	1.1	0.1	120.1	0.09	97.39
79.0-80.0	1.0	0.1	120.2	0.08	97.47
80.0-81.0	0.8	0.1	120.3	0.07	97.54
81.0-82.0	0.7	0.1	120.3	0.06	97.61
82.0-83.0	0.6	0.1	120.4	0.06	97.67
83.0-84.0	0.6	0.1	120.5	0.05	97.71
84.0-85.0	0.5	0.1	120.5	0.04	97.76
85.0-86.0	0.4	0.0	120.6	0.04	97.80
86.0-87.0	0.4	0.0	120.6	0.04	97.83
87.0-88.0	0.4	0.0	120.7	0.03	97.87
88.0-89.0	0.3	0.0	120.7	0.03	97.89
89.0-90.0	0.3	0.0	120.7	0.03	97.92
90.0-91.0	0.3	0.0	120.8	0.03	97.95
91.0-92.0	0.3	0.0	120.8	0.03	97.98
92.0-93.0	0.3	0.0	120.8	0.03	98.01
93.0-94.0	0.3	0.0	120.9	0.03	98.03
94.0-95.0	0.3	0.0	120.9	0.03	98.06
95.0-96.0	0.3	0.0	120.9	0.03	98.09
96.0-97.0	0.3	0.0	121.0	0.03	98.11
97.0-98.0	0.3	0.0	121.0	0.03	98.14
98.0-99.0	0.3	0.0	121.0	0.02	98.16
99.0-100.0	0.3	0.0	121.0	0.02	98.19
100.0-101.0	0.3	0.0	121.1	0.02	98.21
101.0-102.0	0.3	0.0	121.1	0.02	98.24
102.0-103.0	0.3	0.0	121.1	0.02	98.26
103.0-104.0	0.3	0.0	121.2	0.02	98.28
104.0-105.0	0.3	0.0	121.2	0.02	98.31
105.0-106.0	0.3	0.0	121.2	0.02	98.33
106.0-107.0	0.3	0.0	121.2	0.02	98.35
107.0-108.0	0.3	0.0	121.3	0.02	98.37

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:

## Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.3	0.0	121.3	0.02	98.40
109.0-110.0	0.3	0.0	121.3	0.02	98.42
110.0-111.0	0.3	0.0	121.4	0.02	98.44
111.0-112.0	0.3	0.0	121.4	0.02	98.47
112.0-113.0	0.3	0.0	121.4	0.02	98.49
113.0-114.0	0.3	0.0	121.5	0.03	98.52
114.0-115.0	0.3	0.0	121.5	0.02	98.54
115.0-116.0	0.3	0.0	121.5	0.02	98.57
116.0-117.0	0.3	0.0	121.5	0.02	98.59
117.0-118.0	0.3	0.0	121.6	0.03	98.62
118.0-119.0	0.3	0.0	121.6	0.03	98.64
119.0-120.0	0.3	0.0	121.6	0.03	98.67
120.0-121.0	0.3	0.0	121.7	0.03	98.69
121.0-122.0	0.3	0.0	121.7	0.03	98.72
122.0-123.0	0.4	0.0	121.7	0.03	98.74
123.0-124.0	0.4	0.0	121.8	0.03	98.77
124.0-125.0	0.4	0.0	121.8	0.03	98.80
125.0-126.0	0.4	0.0	121.8	0.03	98.83
126.0-127.0	0.4	0.0	121.9	0.03	98.85
127.0-128.0	0.4	0.0	121.9	0.03	98.88
128.0-129.0	0.4	0.0	121.9	0.03	98.91
129.0-130.0	0.4	0.0	122.0	0.03	98.94
130.0-131.0	0.4	0.0	122.0	0.03	98.97
131.0-132.0	0.4	0.0	122.0	0.03	99.00
132.0-133.0	0.4	0.0	122.1	0.03	99.03
133.0-134.0	0.4	0.0	122.1	0.03	99.05
134.0-135.0	0.4	0.0	122.1	0.03	99.08
135.0-136.0	0.5	0.0	122.2	0.03	99.11
136.0-137.0	0.5	0.0	122.2	0.03	99.14
137.0-138.0	0.5	0.0	122.3	0.03	99.17
138.0-139.0	0.5	0.0	122.3	0.03	99.20
139.0-140.0	0.5	0.0	122.3	0.03	99.23
140.0-141.0	0.5	0.0	122.4	0.03	99.26
141.0-142.0	0.5	0.0	122.4	0.03	99.29
142.0-143.0	0.5	0.0	122.4	0.03	99.32
143.0-144.0	0.5	0.0	122.5	0.03	99.35

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.6	0.0	122.5	0.03	99.37
145.0-146.0	0.6	0.0	122.5	0.03	99.40
146.0-147.0	0.6	0.0	122.6	0.03	99.43
147.0-148.0	0.6	0.0	122.6	0.03	99.46
148.0-149.0	0.6	0.0	122.7	0.03	99.49
149.0-150.0	0.6	0.0	122.7	0.03	99.52
150.0-151.0	0.6	0.0	122.7	0.03	99.54
151.0-152.0	0.6	0.0	122.8	0.03	99.57
152.0-153.0	0.6	0.0	122.8	0.03	99.60
153.0-154.0	0.7	0.0	122.8	0.03	99.62
154.0-155.0	0.7	0.0	122.9	0.03	99.65
155.0-156.0	0.7	0.0	122.9	0.03	99.68
156.0-157.0	0.7	0.0	122.9	0.02	99.70
157.0-158.0	0.7	0.0	122.9	0.02	99.72
158.0-159.0	0.7	0.0	123.0	0.02	99.75
159.0-160.0	0.7	0.0	123.0	0.02	99.77
160.0-161.0	0.7	0.0	123.0	0.02	99.79
161.0-162.0	0.7	0.0	123.0	0.02	99.81
162.0-163.0	0.7	0.0	123.1	0.02	99.83
163.0-164.0	0.7	0.0	123.1	0.02	99.85
164.0-165.0	0.7	0.0	123.1	0.02	99.86
165.0-166.0	0.7	0.0	123.1	0.02	99.88
166.0-167.0	0.8	0.0	123.2	0.02	99.90
167.0-168.0	0.8	0.0	123.2	0.01	99.91
168.0-169.0	0.8	0.0	123.2	0.01	99.93
169.0-170.0	0.8	0.0	123.2	0.01	99.94
170.0-171.0	0.8	0.0	123.2	0.01	99.95
171.0-172.0	0.8	0.0	123.2	0.01	99.96
172.0-173.0	0.8	0.0	123.2	0.01	99.97
173.0-174.0	0.8	0.0	123.3	0.01	99.98
174.0-175.0	0.8	0.0	123.3	0.01	99.98
175.0-176.0	0.8	0.0	123.3	0.01	99.99
176.0-177.0	0.8	0.0	123.3	0.00	99.99
177.0-178.0	0.8	0.0	123.3	0.00	100.00
178.0-179.0	0.8	0.0	123.3	0.00	100.00
179.0-180.0	0.8	0.0	123.3	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: