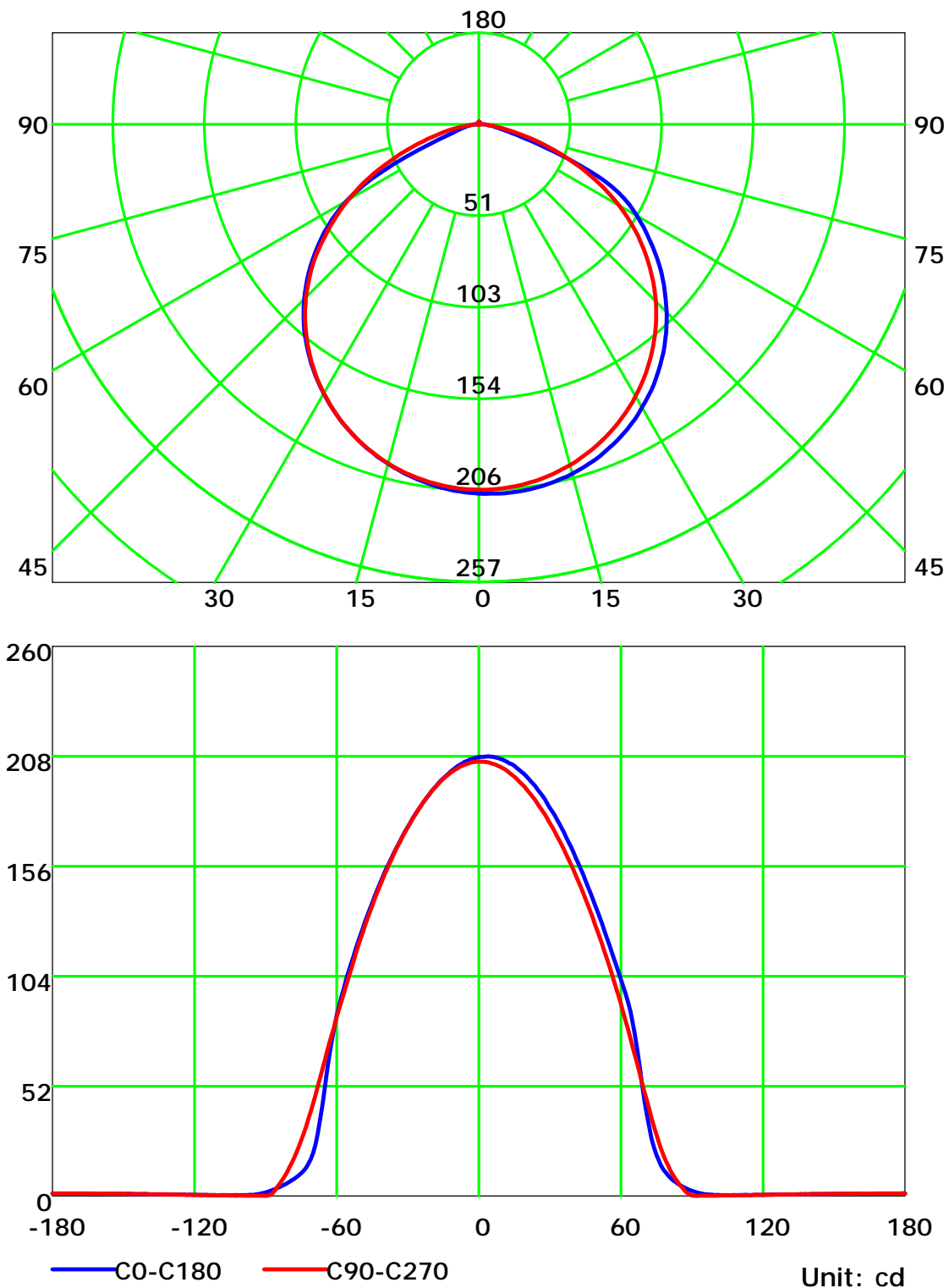


Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

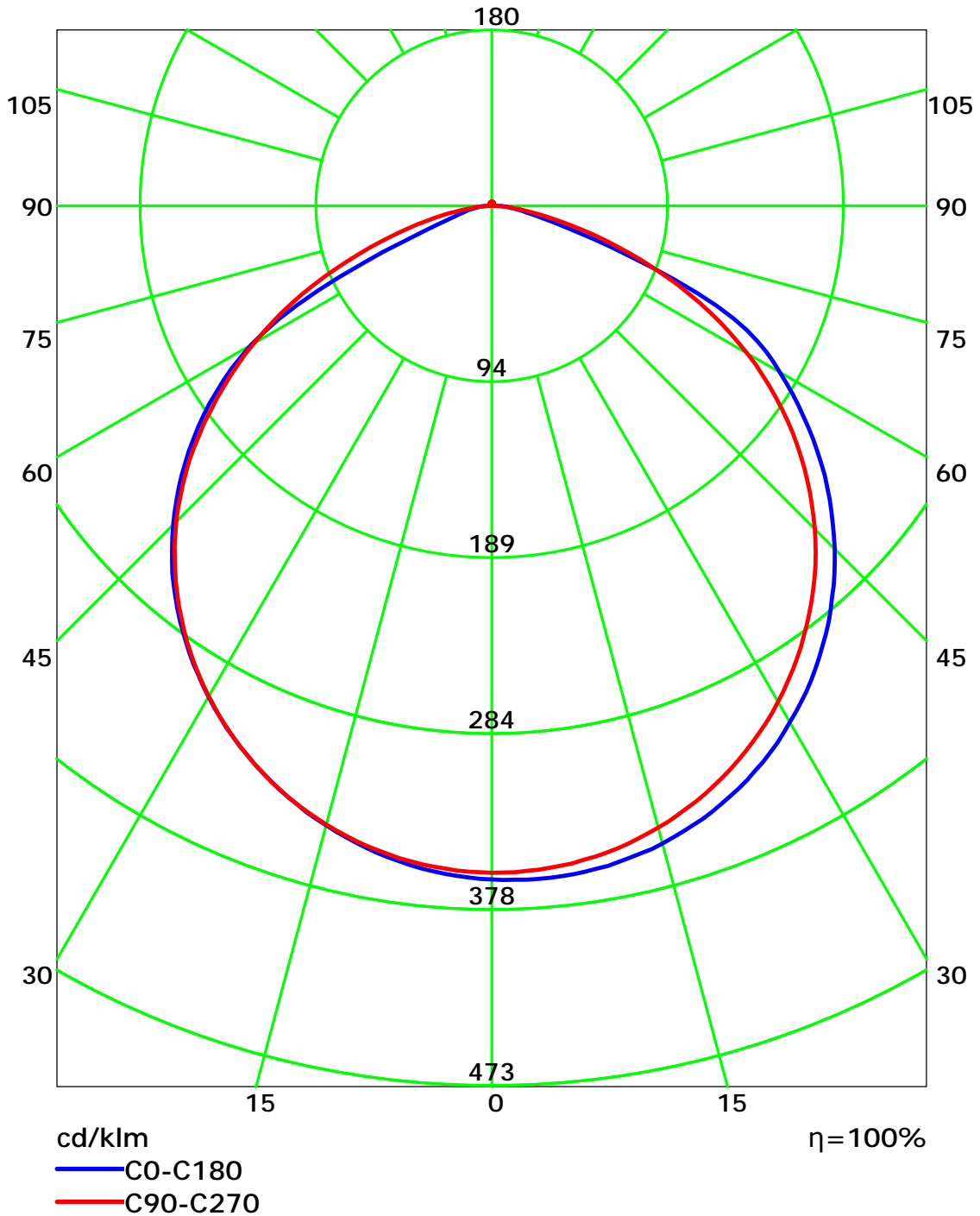
Test Device: GPM-1800B

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: Aaron

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

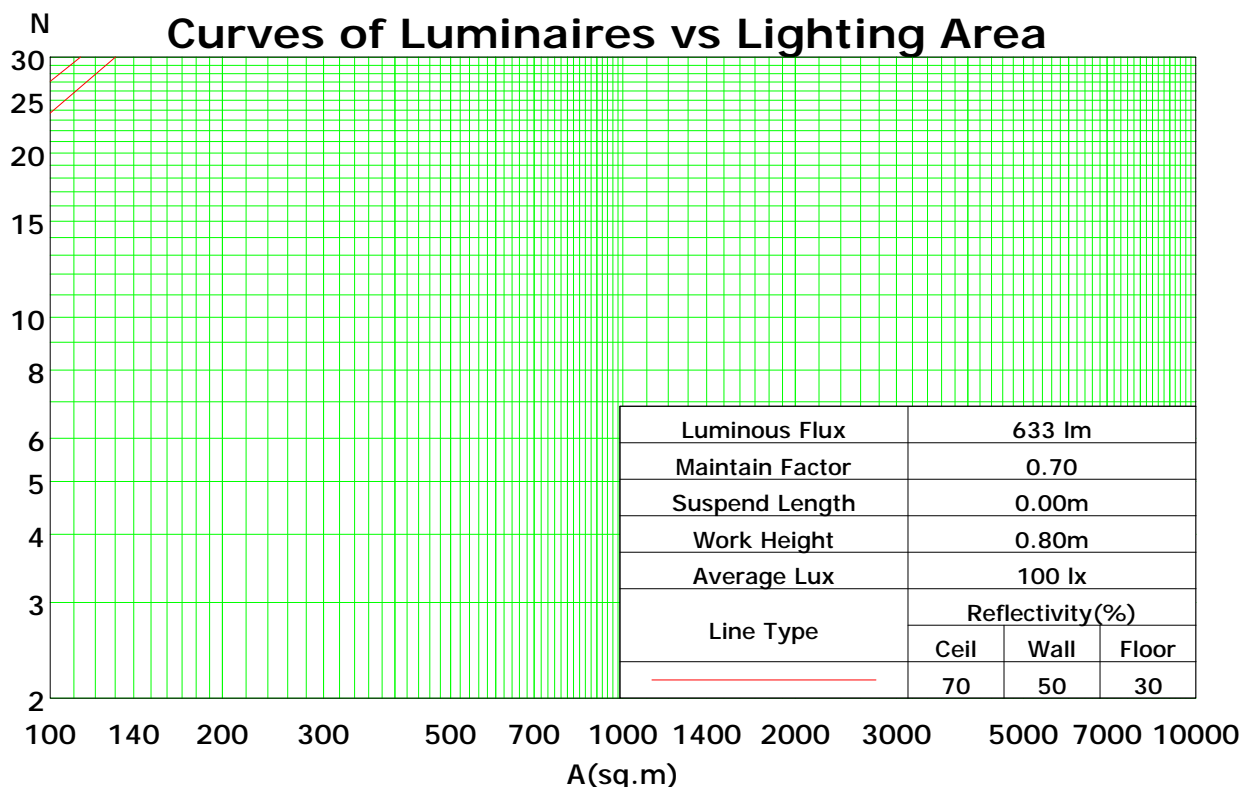
Coefficients Of Utilization - Zonal Cavity Method

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	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	48	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

Spacing Criteria (0-180): 1.28

Spacing Criteria (90-270): 1.27

Spacing Criteria (Diagonal): 1.39



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

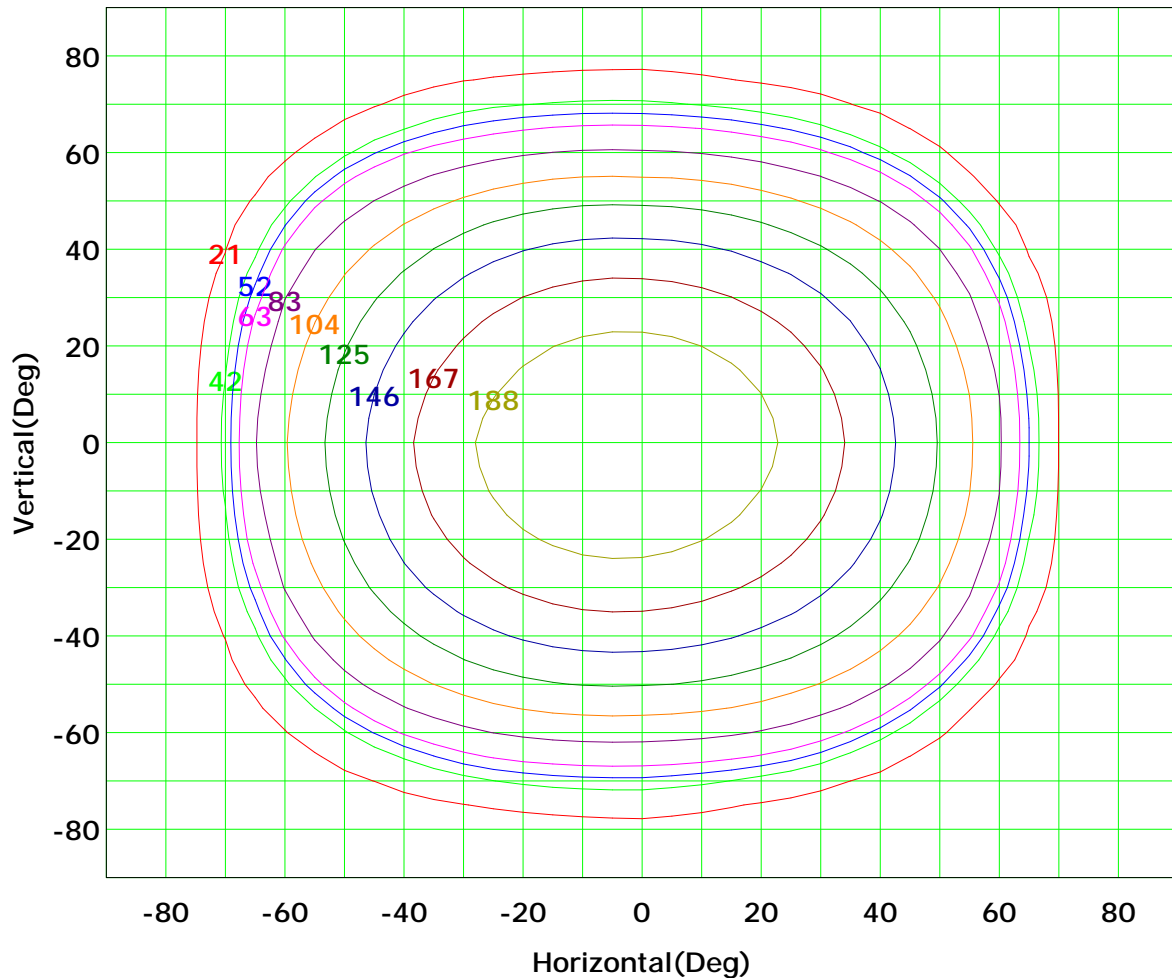
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



I_{max} (100%): 208 cd

(10%): 21 cd	(20%): 42 cd
(25%): 52 cd	(30%): 63 cd
(40%): 83 cd	(50%): 104 cd
(60%): 125 cd	(70%): 146 cd
(80%): 167 cd	(90%): 188 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

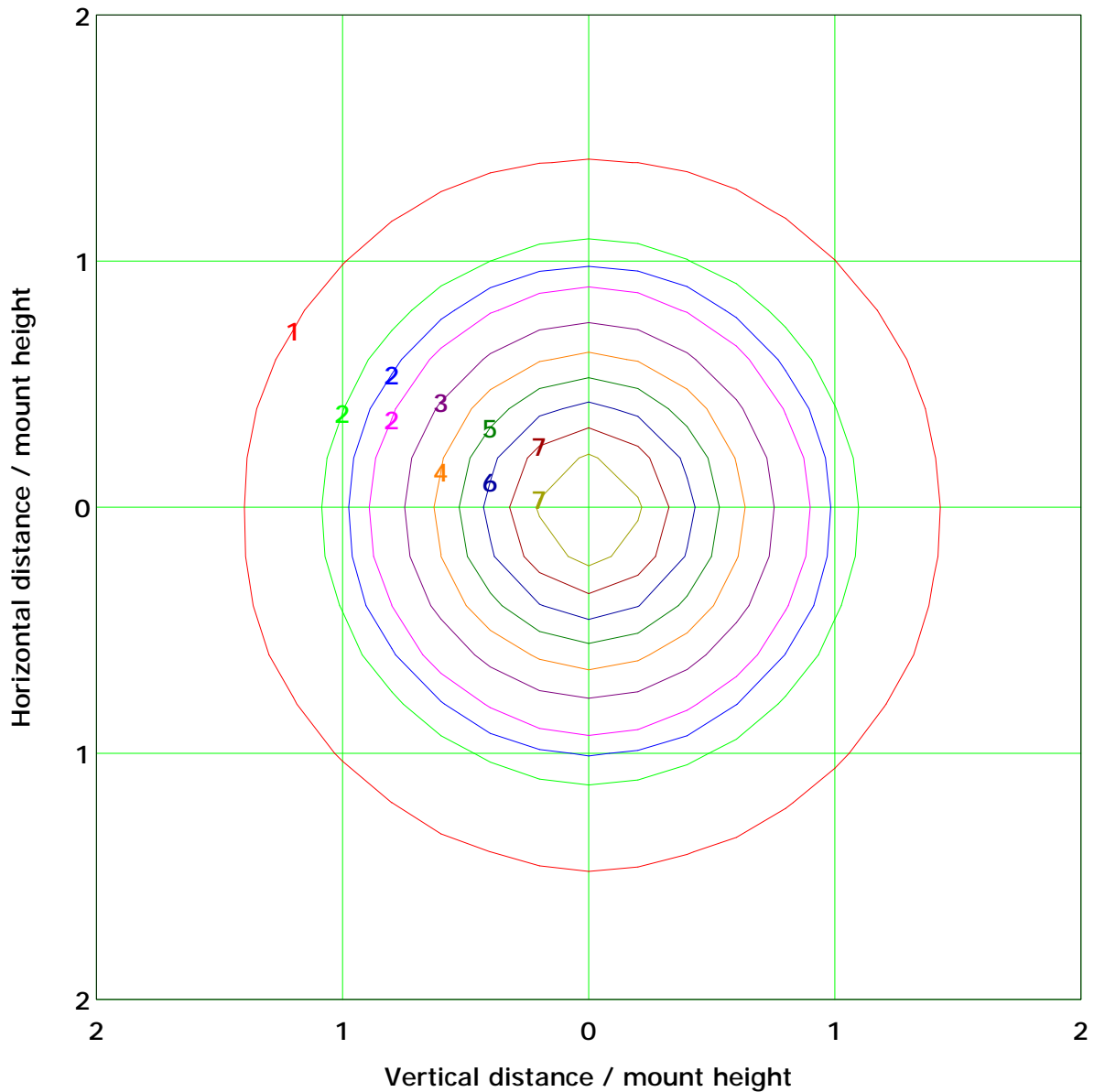
Test Device: GPM-1800B

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: Aaron

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

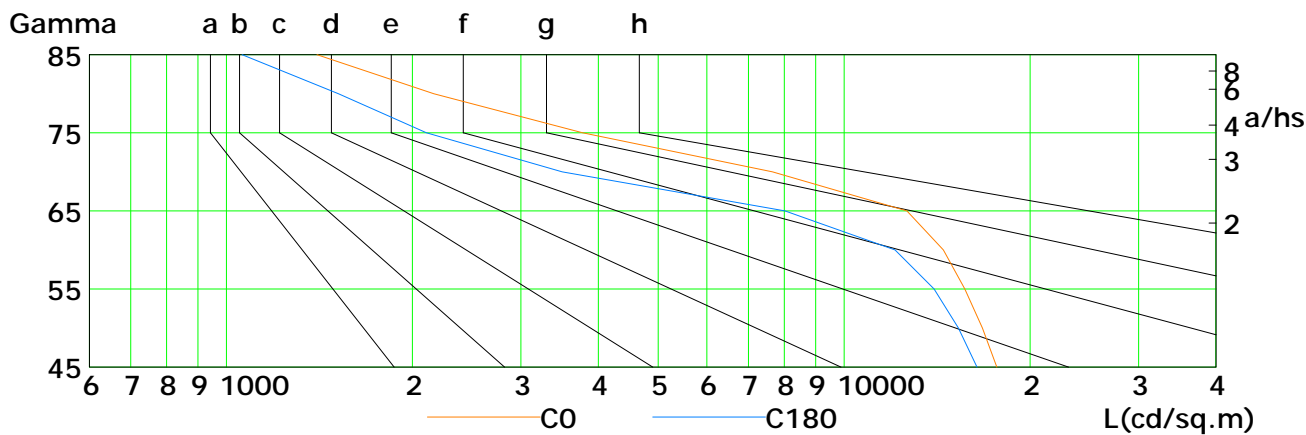
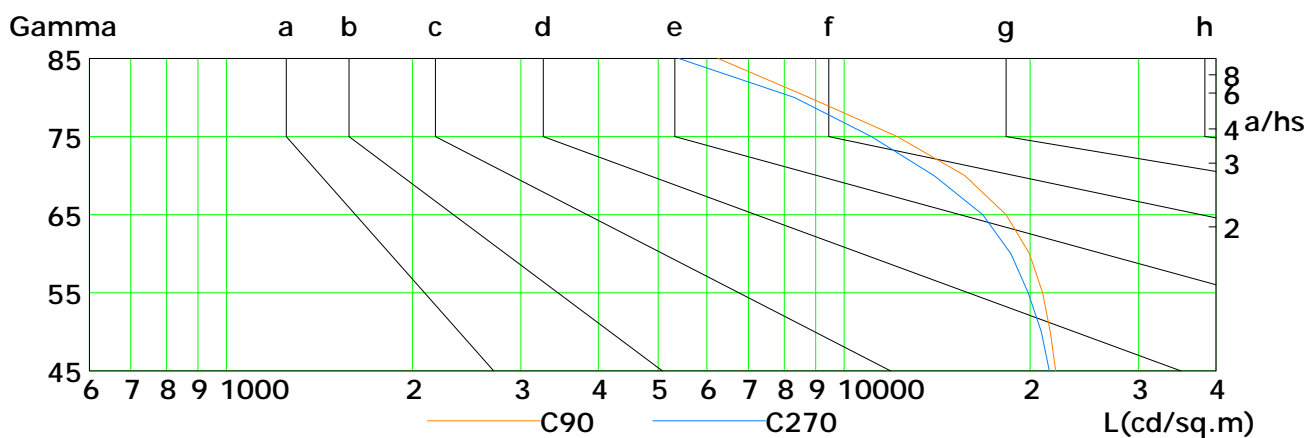
Humidity: 60%

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	17668	16748	15690	14480	12644	7663	3773	2167	1402
C90	22009	21578	20972	19974	18292	15683	12191	8786	6251
C180	16420	15319	13986	12091	8023	3498	2108	1519	1060
C270	21494	20876	19858	18620	16769	13984	11067	8316	5401

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

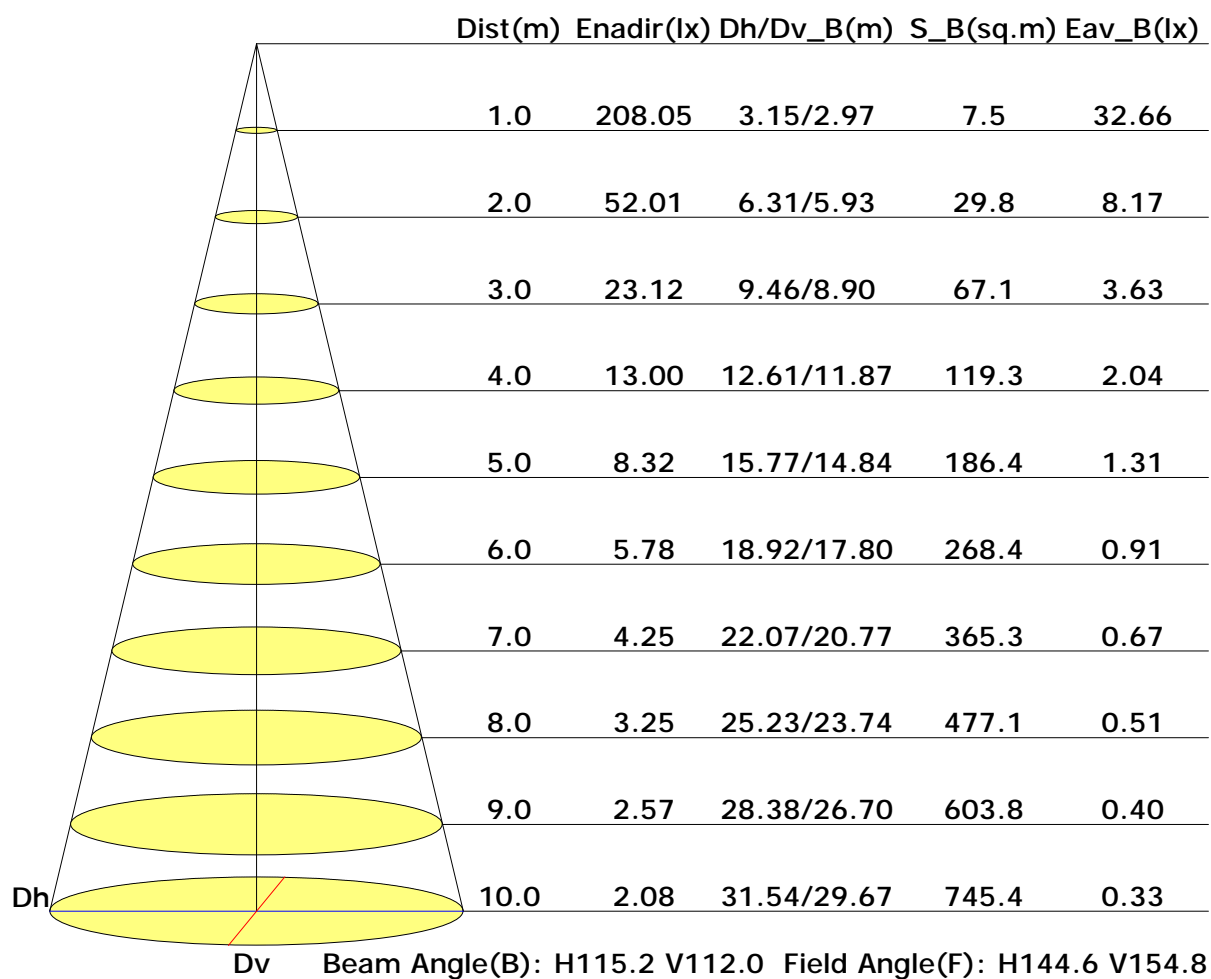
Test Device: GPM-1800B

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: Aaron

Gamma Plane (°):0.0-180.0:1.0

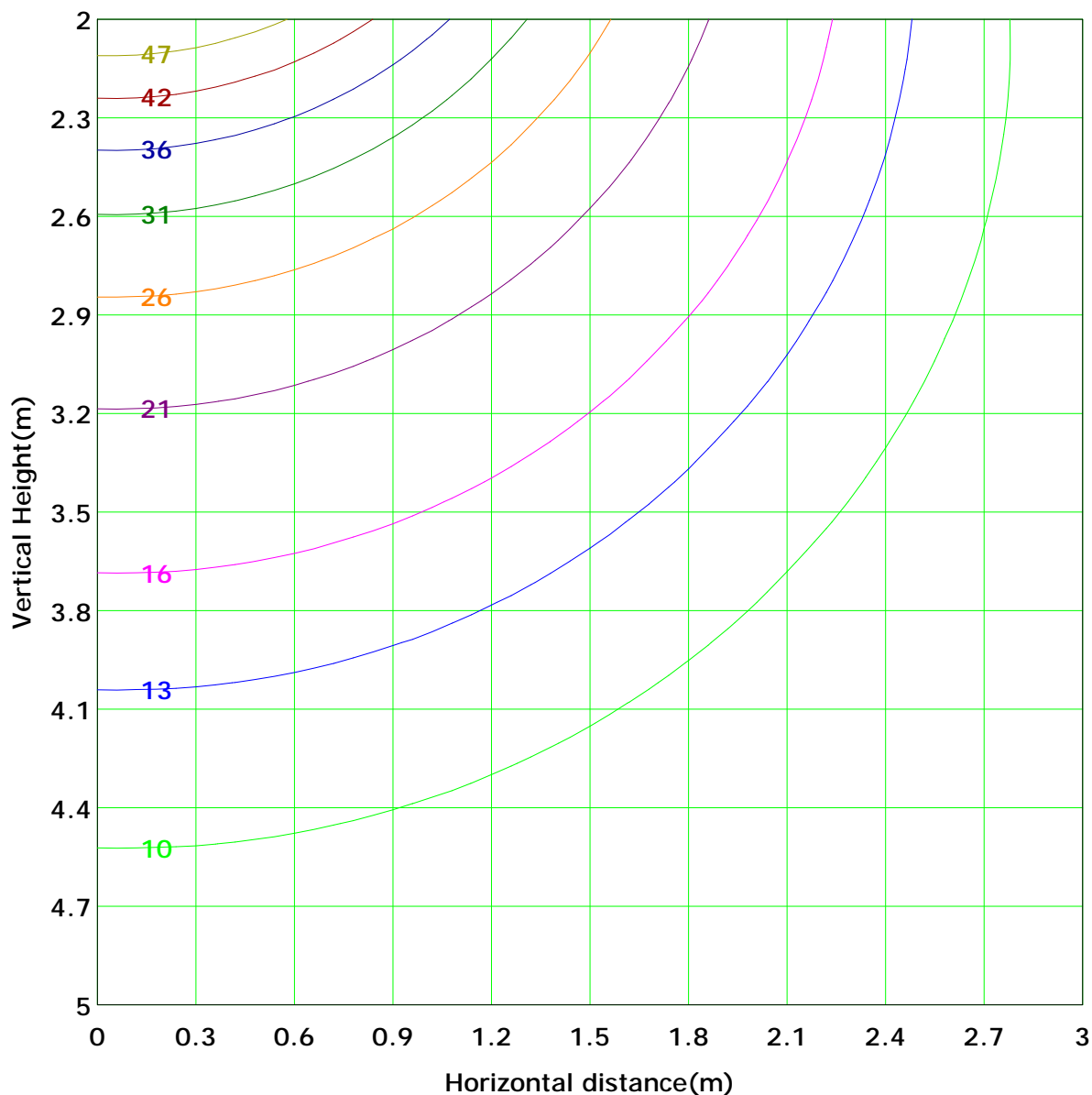
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 52.0 lx
(10%): 5.2 lx	(20%): 10.4 lx	
(25%): 13.0 lx	(30%): 15.6 lx	
(40%): 20.8 lx	(50%): 26.0 lx	
(60%): 31.2 lx	(70%): 36.4 lx	
(80%): 41.6 lx	(90%): 46.8 lx	

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0		
	-80	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.5	0.7	0.8	0.8	0.8	0.6	0.4	0.3	0.1	0.1	0.0	0.0	1.4	0.0	
	-70	0.0	0.0	0.1	0.2	0.5	0.9	1.4	1.9	2.5	2.9	3.2	3.4	3.6	3.7	3.9	4.1	4.2	4.3	5.5	0.0		
	-60	0.0	0.0	0.1	0.2	0.5	0.9	1.4	1.7	1.9	2.0	1.9	1.6	1.2	0.7	0.3	0.1	0.0	0.0	14.7	13.7		
	-50	0.0	0.0	0.1	0.4	1.1	1.9	2.5	2.9	3.1	3.2	3.0	2.6	2.1	1.5	0.7	0.2	0.1	0.0	25.5	25.0		
	-40	0.0	0.1	0.2	0.9	1.8	2.6	3.3	3.8	4.1	4.2	4.0	3.5	2.8	2.0	1.2	0.4	0.1	0.0	35.2	34.8		
	-30	0.0	0.1	0.4	1.3	2.3	3.2	4.0	4.6	4.9	5.0	4.7	4.2	3.4	2.5	1.6	0.6	0.1	0.0	42.8	42.6		
	-20	0.0	0.1	0.5	1.6	2.6	3.6	4.5	5.2	5.5	5.6	5.3	4.7	3.8	2.8	1.8	0.8	0.1	0.0	48.6	48.4		
	-10	0.0	0.1	0.6	1.8	2.9	3.9	4.8	5.5	5.9	6.0	5.7	5.0	4.1	3.1	2.0	1.0	0.2	0.0	52.6	52.4		
	0	0.0	0.1	0.7	1.8	3.0	4.1	5.0	5.8	6.2	6.2	5.9	5.2	4.3	3.2	2.1	1.0	0.2	0.0	54.8	54.6		
	10	0.0	0.1	0.7	1.9	3.0	4.1	5.0	5.8	6.2	6.2	5.9	5.3	4.3	3.2	2.1	1.0	0.2	0.0	54.9	54.7		
	20	0.0	0.1	0.6	1.8	2.9	3.9	4.9	5.5	6.0	6.0	5.7	5.1	4.2	3.1	2.0	1.0	0.2	0.0	52.9	52.7		
	30	0.0	0.1	0.5	1.6	2.7	3.7	4.5	5.2	5.6	5.6	5.3	4.7	3.9	2.9	1.9	0.8	0.2	0.0	49.2	48.9		
	40	0.0	0.1	0.4	1.3	2.3	3.3	4.0	4.6	5.0	5.0	4.8	4.2	3.5	2.6	1.6	0.6	0.1	0.0	43.6	43.3		
	50	0.0	0.1	0.2	0.9	1.9	2.7	3.4	3.9	4.2	4.3	4.1	3.6	2.9	2.1	1.3	0.4	0.1	0.0	36.1	35.8		
	60	0.0	0.0	0.1	0.4	1.2	2.0	2.6	3.0	3.3	3.3	3.2	2.8	2.2	1.5	0.8	0.3	0.1	0.0	26.8	26.2		
	70	0.0	0.0	0.1	0.2	0.5	1.0	1.5	1.9	2.1	2.1	2.0	1.7	1.3	0.8	0.4	0.1	0.1	0.0	15.8	14.9		
	80	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.7	0.9	0.9	0.8	0.7	0.5	0.3	0.2	0.1	0.0	0.0	6.2	3.6		
	90	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.6	0.0		
	Flux(T)	0.2	1.1	5.5	16.4	29.1	41.7	52.7	61.1	66.0	66.7	63.3	55.8	45.1	32.7	20.1	8.8	1.8	0.2	568			
	Flux(E)	0.0	0.0	4.3	15.4	28.2	40.9	52.0	60.4	65.3	66.1	62.6	55.1	44.4	31.9	19.3	7.9	0.7	0.0		555		

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

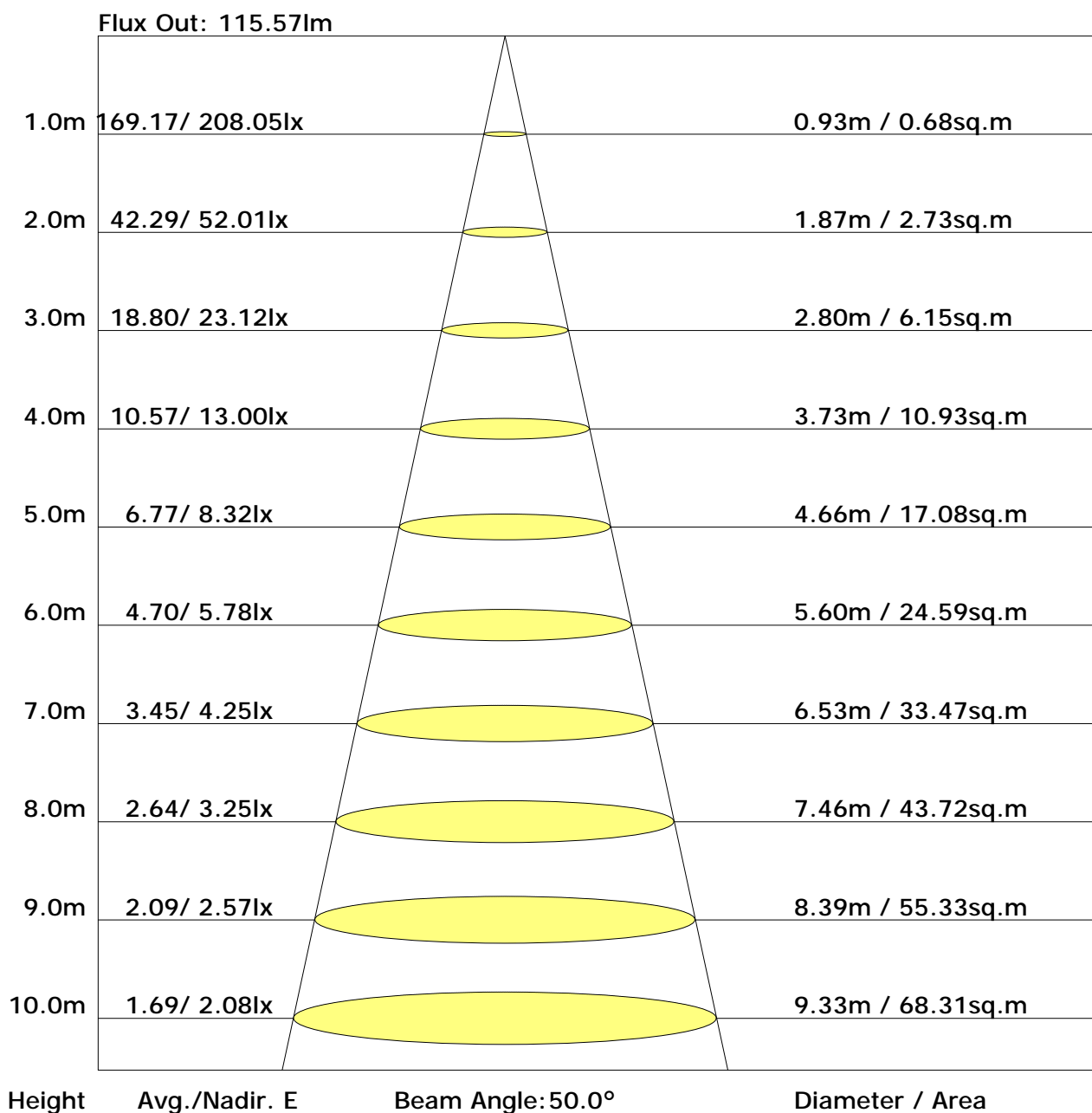
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

The Average Illuminance Effective Figure



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	24.8	26.4	25.2	26.7	27.1	23.5	25.1	23.9	25.4	25.8
3H	26.2	27.6	26.6	27.9	28.3	24.7	26.1	25.1	26.5	26.9
4H	26.3	27.6	26.7	28.0	28.4	25.0	26.3	25.4	26.7	27.1
6H	26.4	27.6	26.8	28.0	28.4	25.1	26.3	25.5	26.7	27.1
8H	26.4	27.6	26.8	28.0	28.4	25.1	26.3	25.5	26.7	27.1
12H	26.4	27.5	26.8	27.9	28.4	25.1	26.2	25.5	26.6	27.0
X=4H Y=2H	25.2	26.6	25.6	26.9	27.3	24.1	25.4	24.5	25.8	26.2
3H	26.6	27.7	27.1	28.2	28.6	25.4	26.5	25.8	26.9	27.3
4H	26.8	27.8	27.3	28.2	28.7	25.7	26.7	26.1	27.1	27.5
6H	26.9	27.8	27.4	28.2	28.7	25.8	26.7	26.3	27.1	27.6
8H	26.9	27.7	27.4	28.2	28.7	25.8	26.6	26.3	27.1	27.6
12H	27.0	27.7	27.5	28.2	28.7	25.8	26.5	26.3	27.0	27.5
X=8H Y=4H	26.9	27.7	27.3	28.1	28.6	25.7	26.5	26.2	27.0	27.5
6H	26.9	27.6	27.5	28.1	28.6	25.8	26.5	26.4	27.0	27.5
8H	27.0	27.6	27.5	28.1	28.6	25.9	26.5	26.4	27.0	27.5
12H	27.0	27.6	27.6	28.1	28.6	25.9	26.4	26.4	26.9	27.5
X=12H Y=4H	26.8	27.6	27.3	28.0	28.5	25.7	26.4	26.2	26.9	27.4
6H	26.9	27.5	27.5	28.0	28.6	25.8	26.4	26.4	26.9	27.5
8H	27.0	27.5	27.5	28.0	28.6	25.9	26.4	26.4	26.9	27.5

Calculate in accordance with CIE 190:2010

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

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	0.58	0.69	0.76	0.82	0.89	0.94	0.97	1.02	1.04
	0.30		0.50	0.61	0.69	0.75	0.83	0.89	0.93	0.98	1.01
	0.20		0.44	0.56	0.64	0.70	0.78	0.84	0.89	0.94	0.98
0.50	0.50	0.20	0.56	0.67	0.74	0.79	0.86	0.90	0.93	0.97	1.00
	0.30		0.49	0.60	0.68	0.73	0.81	0.86	0.90	0.94	0.97
	0.20		0.44	0.55	0.63	0.69	0.77	0.82	0.86	0.92	0.95
0.30	0.50	0.20	0.55	0.65	0.71	0.76	0.83	0.87	0.90	0.94	0.96
	0.30		0.48	0.59	0.66	0.71	0.79	0.83	0.87	0.91	0.94
	0.20		0.44	0.54	0.62	0.67	0.75	0.80	0.84	0.89	0.92
0.00	0.00	0.00	0.41	0.52	0.59	0.64	0.72	0.76	0.80	0.84	0.87
Rating:8W 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	0.98	0.80	0.67	0.58	0.46	0.38	0.32	0.25	0.20	
	0.30		0.82	0.68	0.59	0.51	0.41	0.35	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	
0.50	0.50	0.20	0.94	0.76	0.64	0.55	0.44	0.39	0.30	0.23	0.19	
	0.30		0.80	0.66	0.57	0.50	0.40	0.33	0.28	0.22	0.18	
	0.20		0.69	0.59	0.51	0.45	0.37	0.31	0.27	0.21	0.17	
0.30	0.50	0.20	0.91	0.73	0.62	0.53	0.41	0.34	0.29	0.22	0.18	
	0.30		0.78	0.65	0.55	0.48	0.38	0.32	0.27	0.21	0.17	
	0.20		0.68	0.58	0.50	0.44	0.36	0.30	0.26	0.20	0.17	
0.00	0.00	0.00	0.58	0.48	0.40	0.35	0.28	0.23	0.20	0.15	0.12	
<p>Rating:8W 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	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.15	0.17	0.17	0.19	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.21
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	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
<p>Rating:8W 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>											