

Report No.:

Test Time: 2018/8/30 10:38

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: RIBBONLYTE

Luminaire Description: RBS2244.435PH 1FT(300mm)

Luminous Length (mm): 300

Luminous Height (mm): 1

Current: 0.176 A

Power Factor: 1.000

Luminous Width (mm): 8

Voltage: 24.0 V

Power: 4.23 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 564.4 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H117.5

Vertical Diffuse Angle(50%): V117.4

Luminaire Efficacy Rating (LER): 133

Max. Intensity: 186.73 cd

Total Rated Lamp Lumens: 564.4 lm

Efficiency: 100%

Upward Ratio: 1%

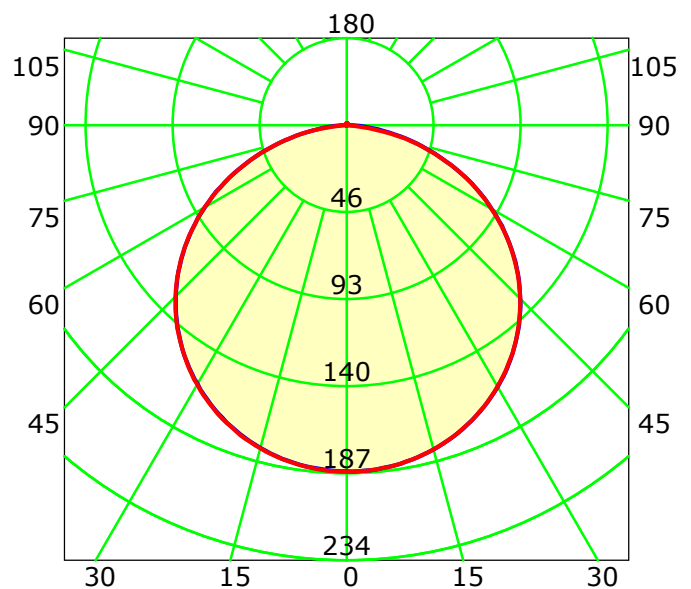
Central Intensity: 186.43 cd

Pos of Max. Intensity: H330 V1

## Picture Of Luminaire



### Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 117.4° Unit: cd

— C0-C180    — C90-C270

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

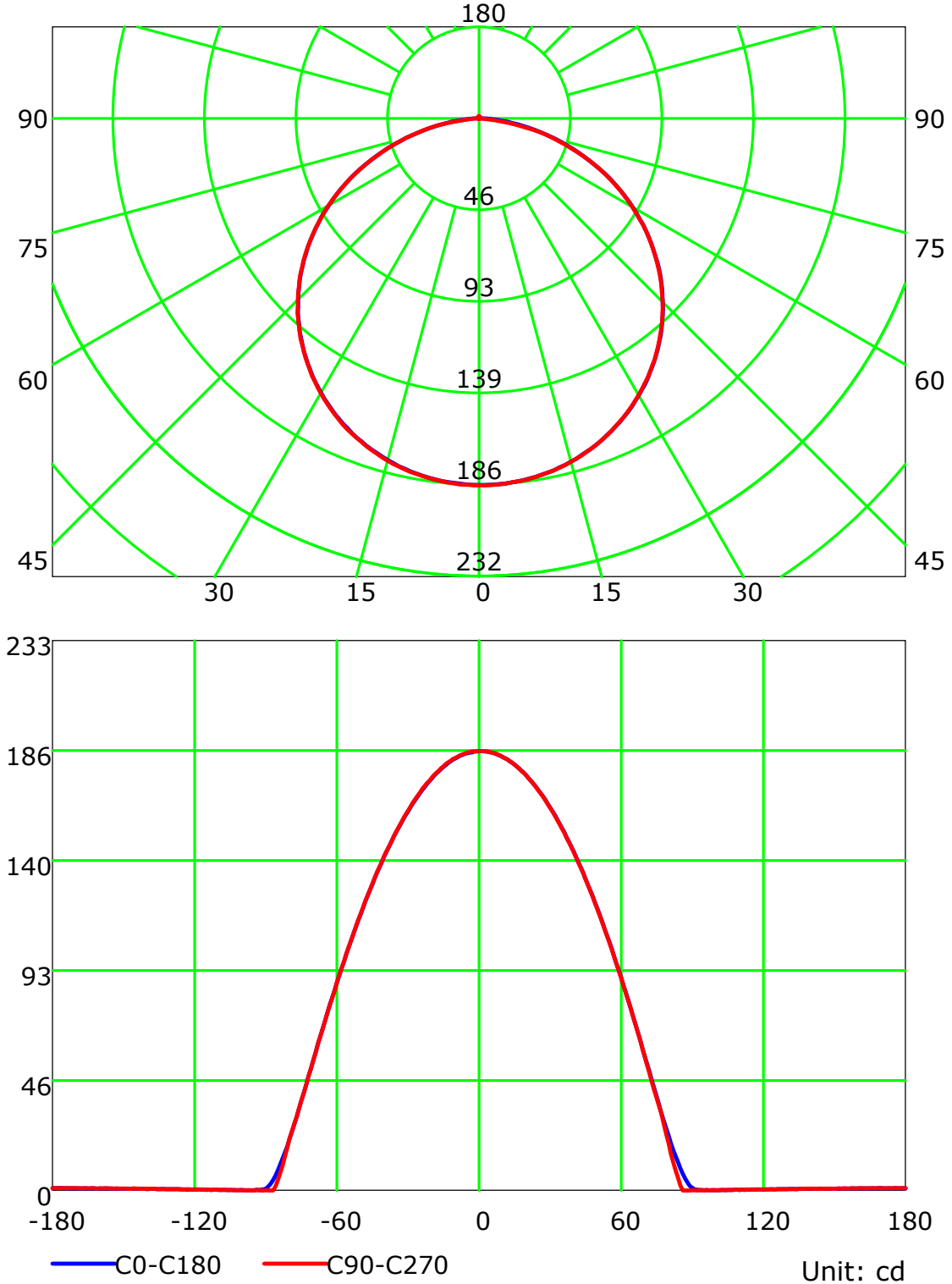
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

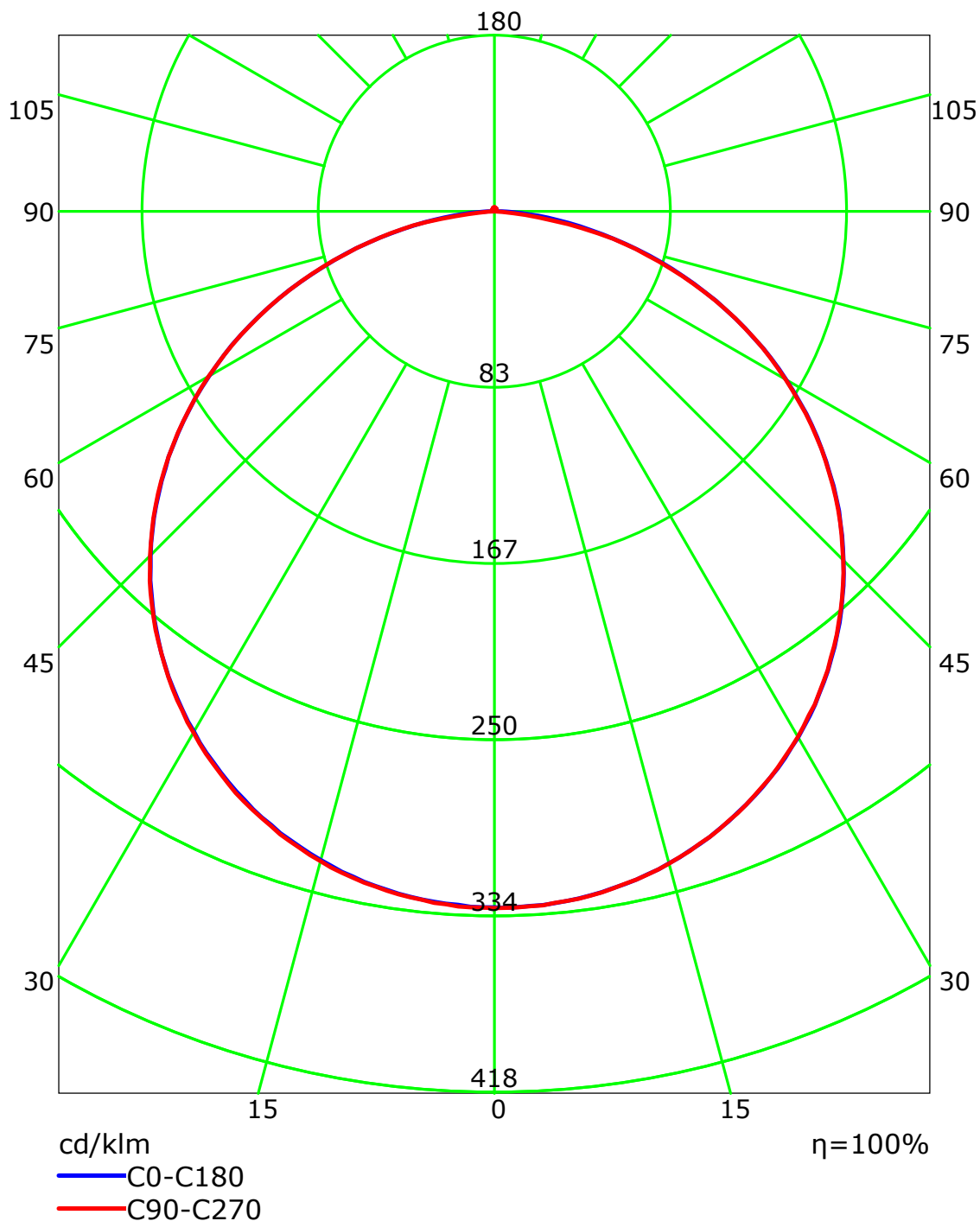
## Luminous Intensity Distribution Curve



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:

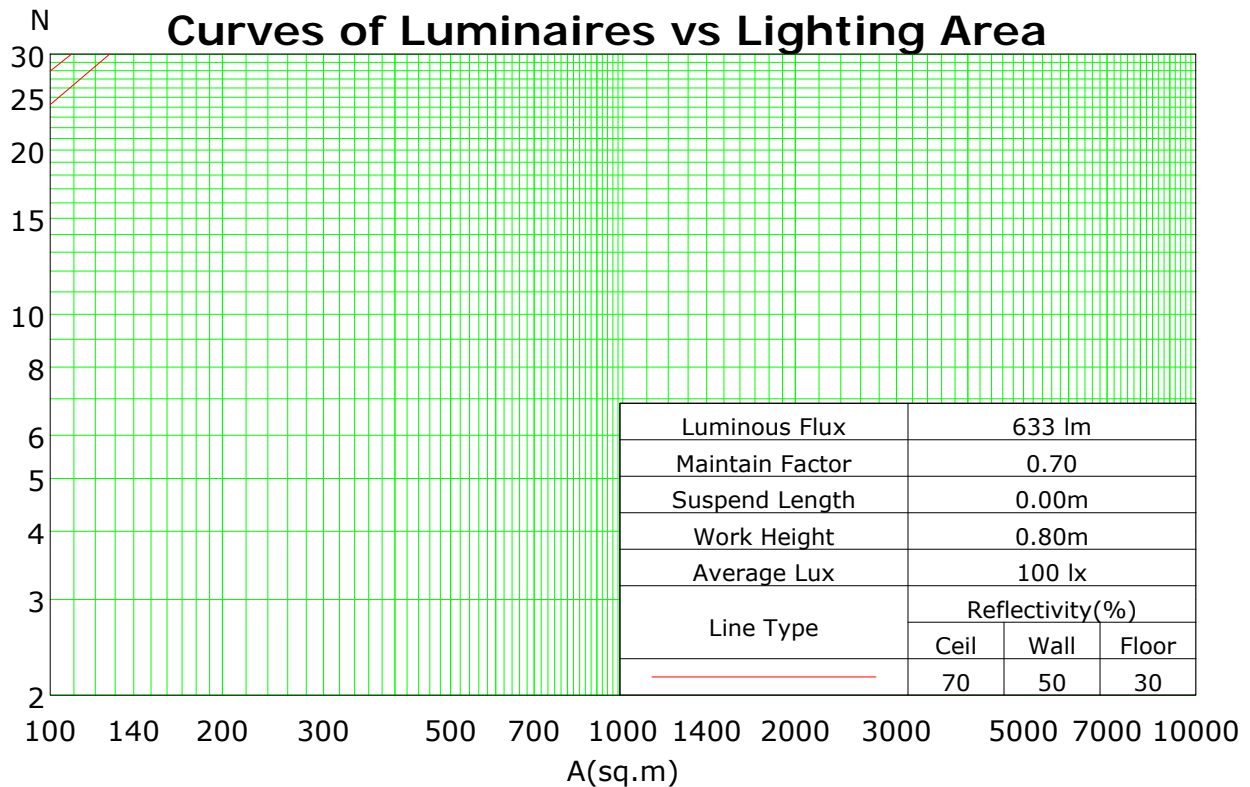
## Coefficients Of Utilization - Zonal Cavity Method

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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	76	73	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	68	64	60	57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	49	43	39	37
7	64	50	42	35	62	50	41	35	48	40	35	46	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

Spacing Criteria (0-180): 1.29

Spacing Criteria (90-270): 1.29

Spacing Criteria (Diagonal): 1.41



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

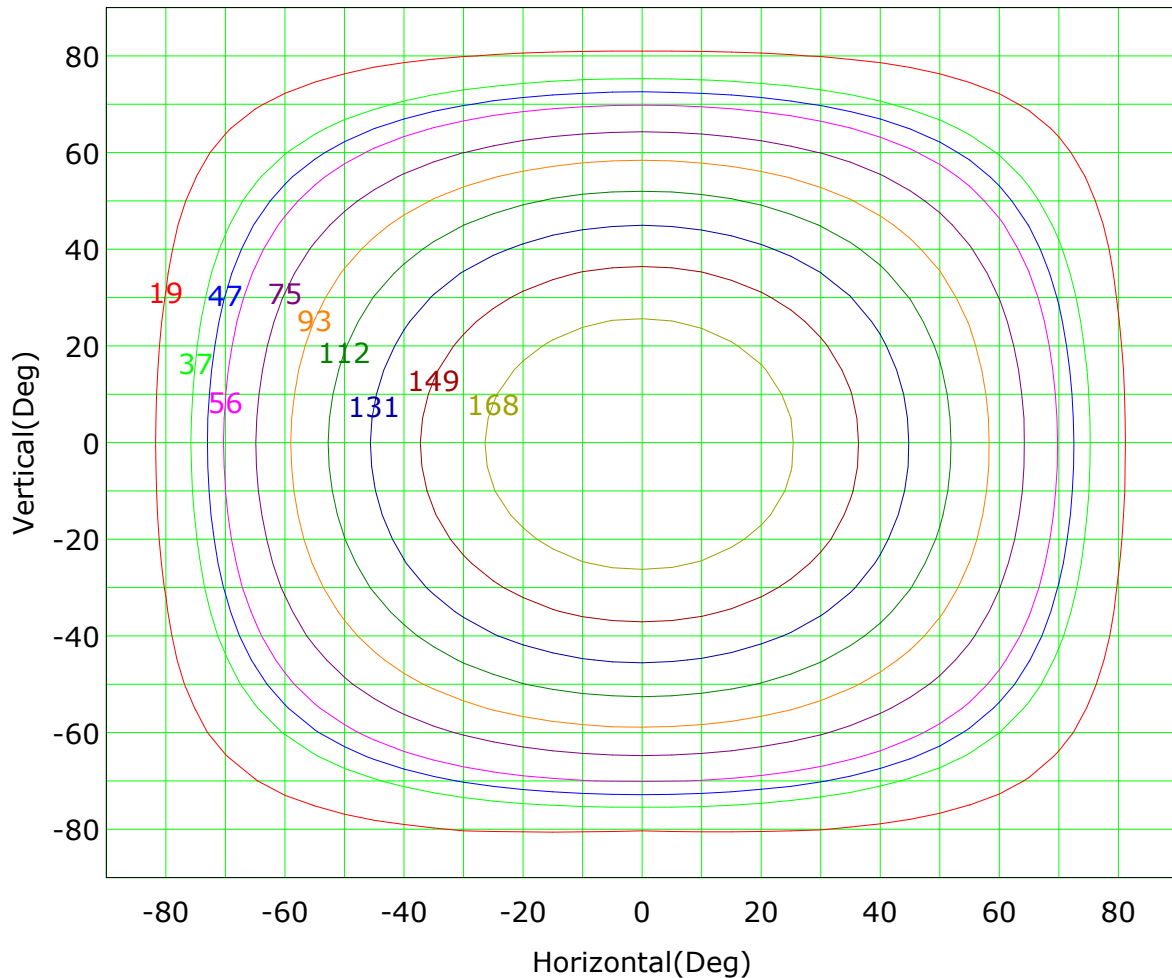
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



I<sub>max</sub> (100%): 187 cd

( 10%): 19 cd	( 20%): 37 cd
( 25%): 47 cd	( 30%): 56 cd
( 40%): 75 cd	( 50%): 93 cd
( 60%): 112 cd	( 70%): 131 cd
( 80%): 149 cd	( 90%): 168 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

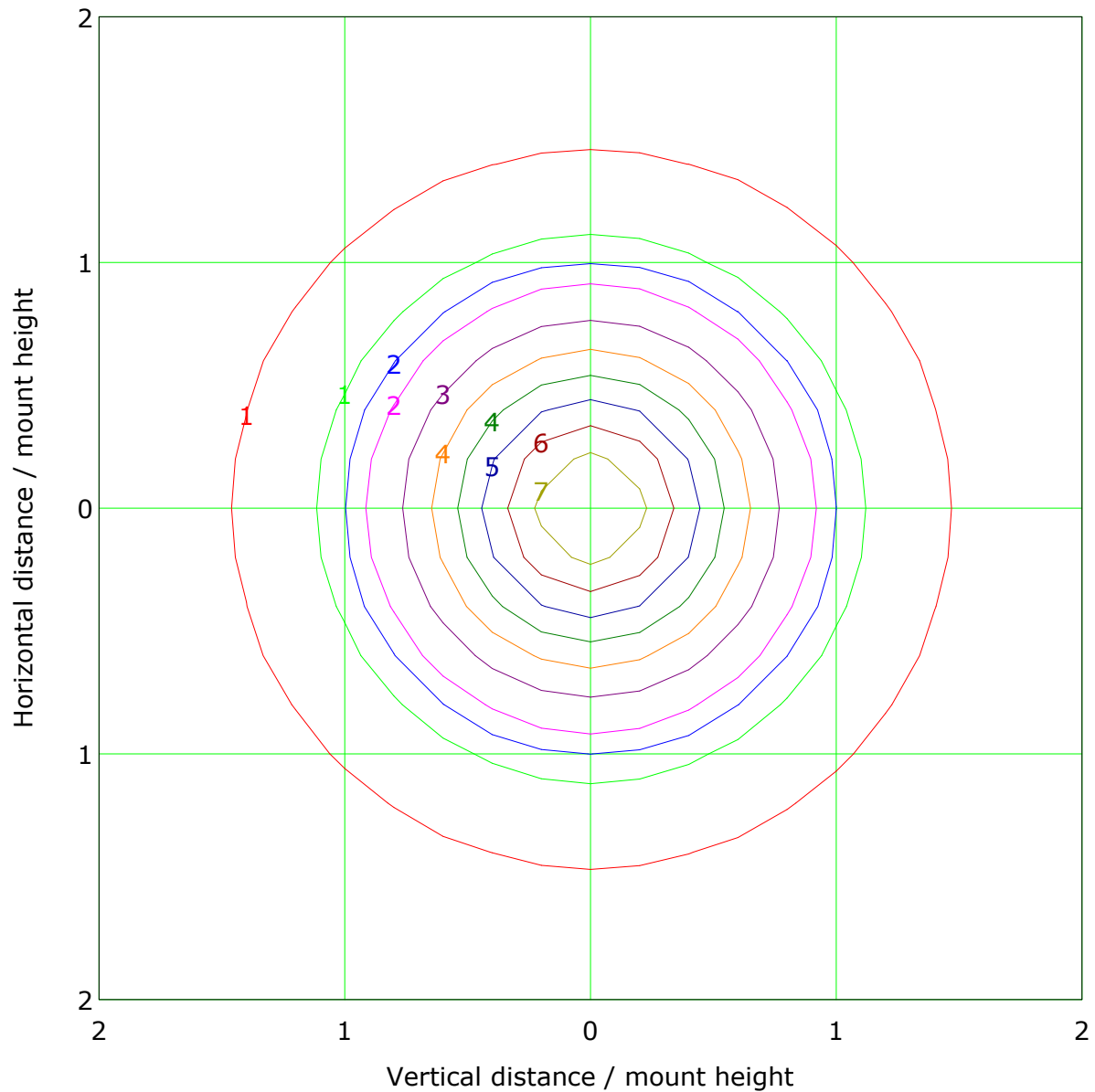
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 7.5 lx

( 10%): 0.7 lx	( 20%): 1.5 lx
( 25%): 1.9 lx	( 30%): 2.2 lx
( 40%): 3.0 lx	( 50%): 3.7 lx
( 60%): 4.5 lx	( 70%): 5.2 lx
( 80%): 6.0 lx	( 90%): 6.7 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

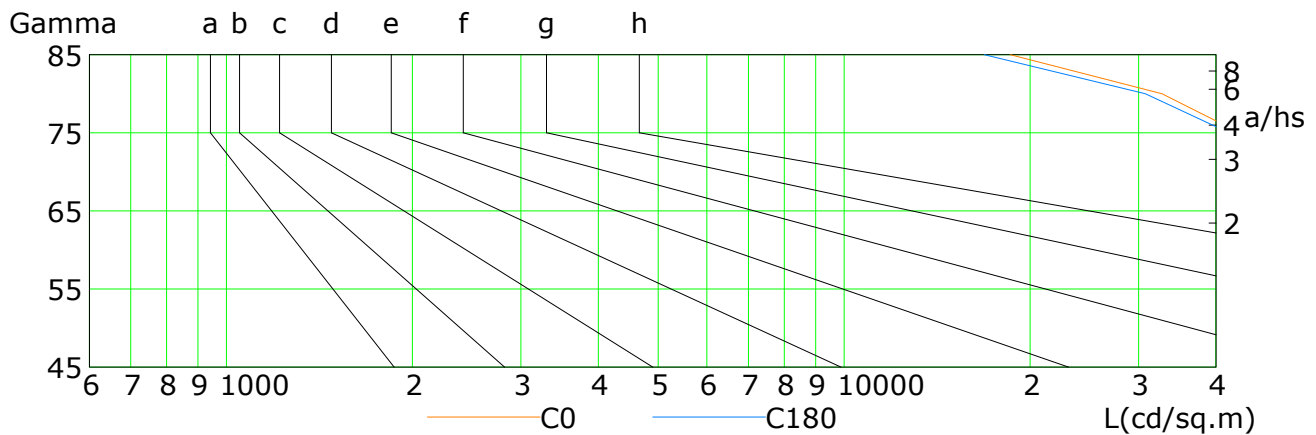
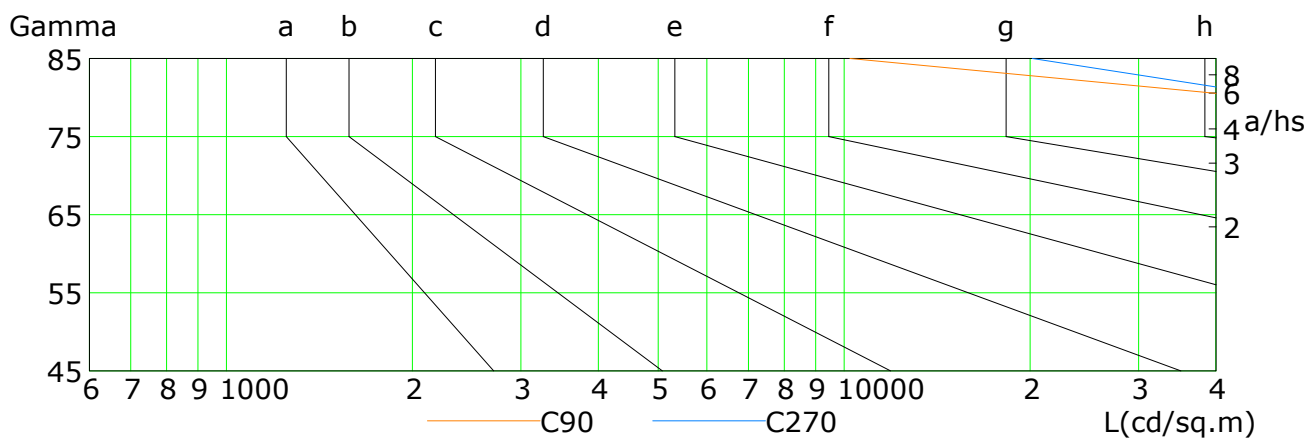
Humidity: 60%

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	69291	67481	65067	61857	57698	51634	43735	32716	18581
C90	77617	77065	76153	74685	72420	68400	62316	47170	10224
C180	68233	66206	63736	60453	56198	50174	42044	30736	16869
C270	76654	75922	74888	73252	70717	66661	60869	52115	20171

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

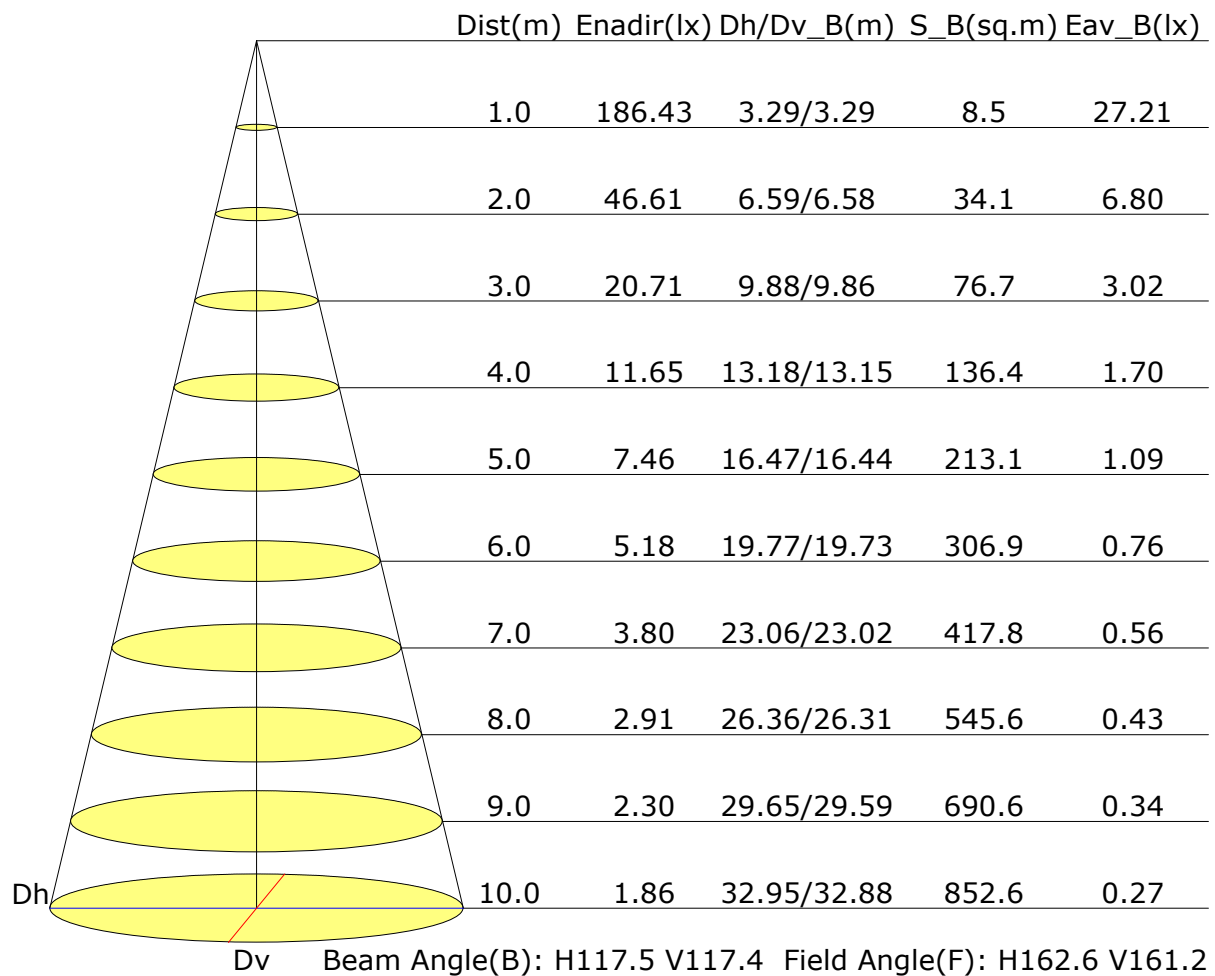
Test Device: GPM-1800B

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

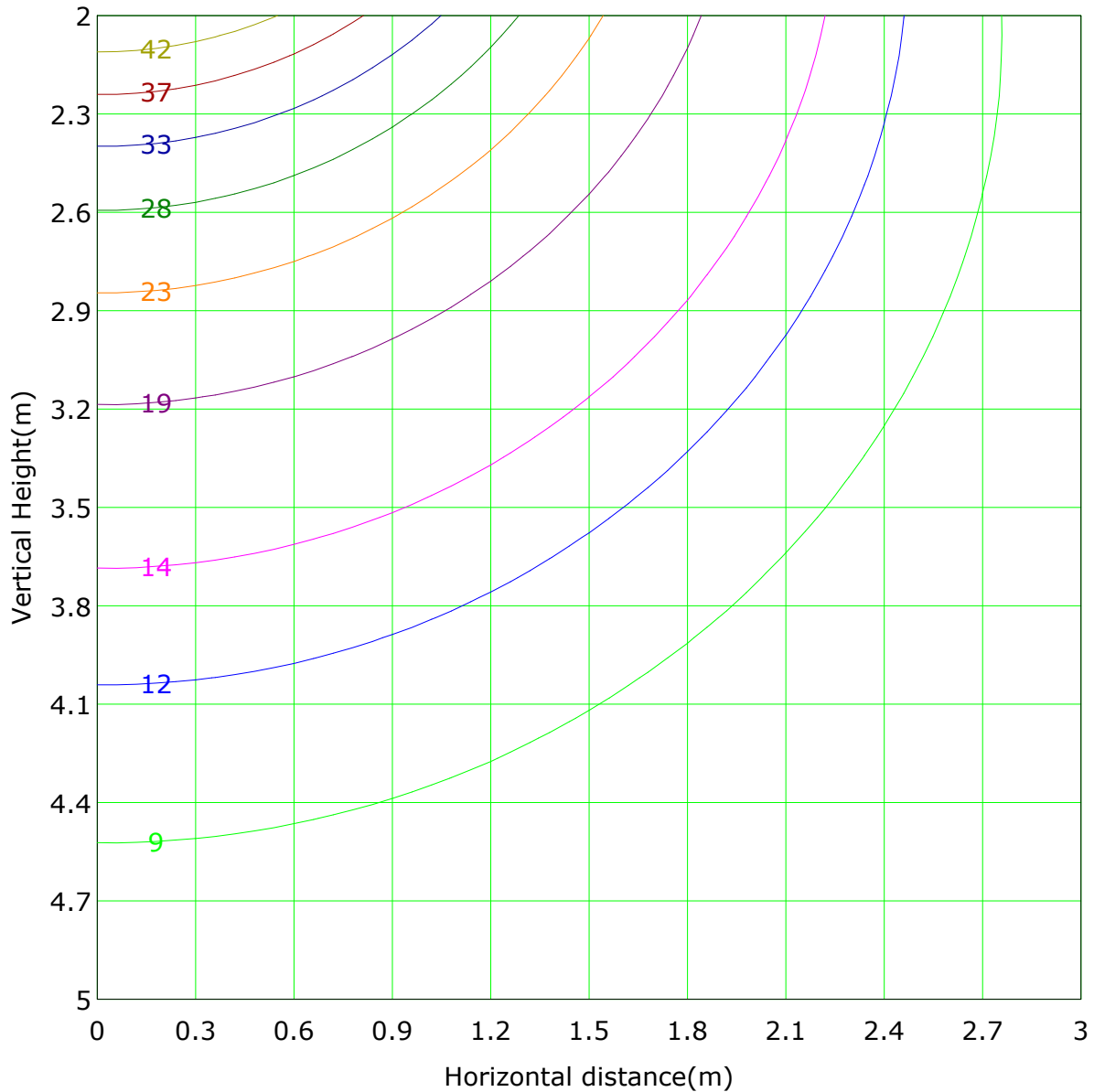
Distance: 9.028 m

Humidity: 60%

Inspector:



## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 46.6 lx
( 10%): 4.7 lx	( 20%): 9.3 lx	
( 25%): 11.7 lx	( 30%): 14.0 lx	
( 40%): 18.6 lx	( 50%): 23.3 lx	
( 60%): 28.0 lx	( 70%): 32.6 lx	
( 80%): 37.3 lx	( 90%): 41.9 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:

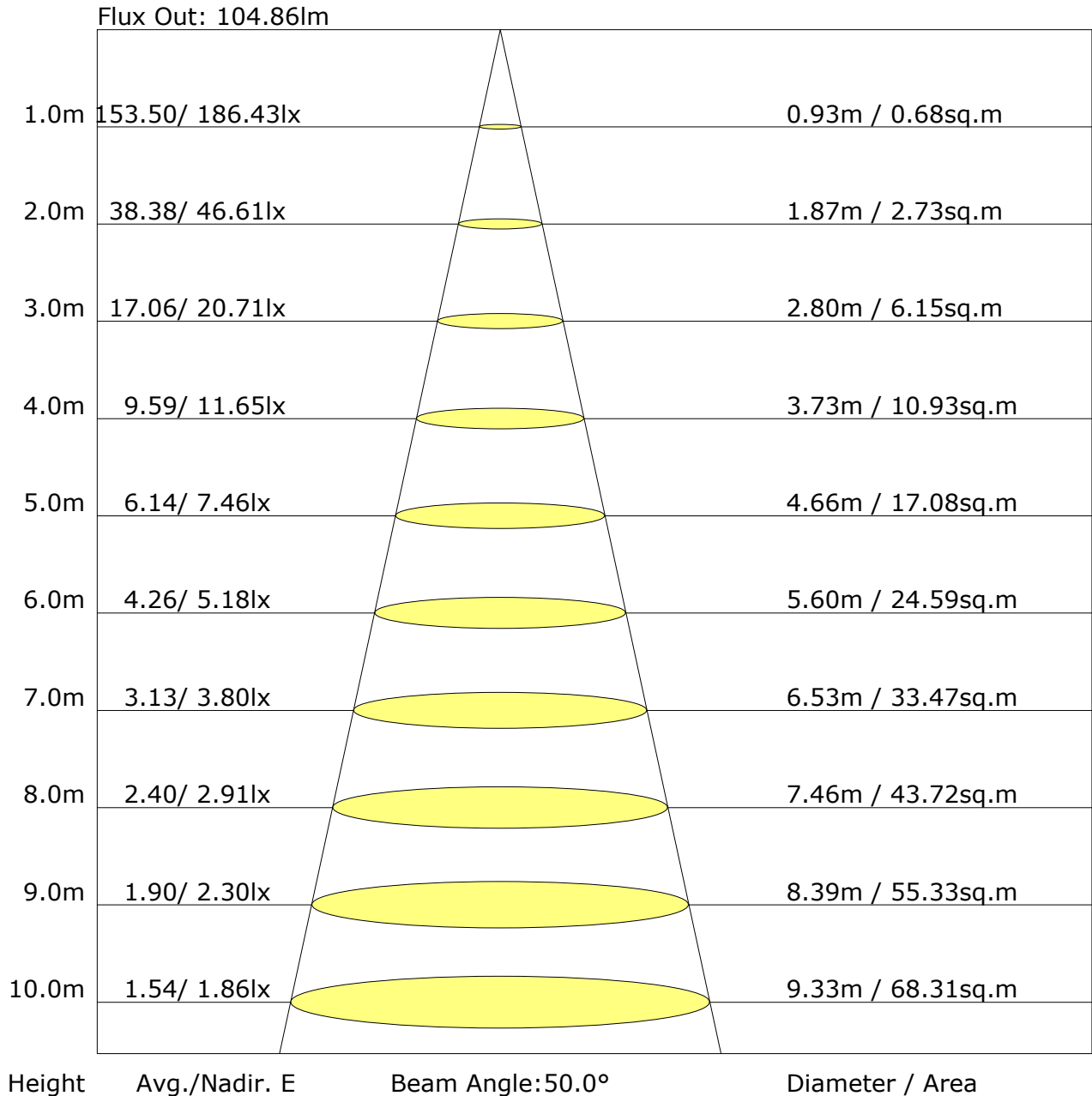
## Area Flux Table

Unit: lm																		
Vertical plane																		
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.2	0.1	0.0	0.0
0.0	0.1	0.3	0.6	1.0	1.4	1.8	2.0	2.2	2.2	2.0	1.8	1.4	1.0	0.6	0.3	0.1	0.0	0.0
0.0	0.1	0.5	0.9	1.5	2.0	2.5	2.9	3.1	3.1	2.9	2.6	2.1	1.5	0.9	0.5	0.2	0.0	0.0
0.0	0.2	0.6	1.2	1.9	2.6	3.3	3.7	4.0	4.0	3.7	3.3	2.7	1.9	1.2	0.6	0.3	0.2	0.0
0.0	0.2	0.7	1.5	2.3	3.1	3.8	4.3	4.6	4.6	4.3	3.8	3.1	2.3	1.5	0.8	0.3	0.1	0.0
0.0	0.3	0.9	1.7	2.7	3.7	4.5	5.1	5.4	5.4	5.1	4.5	3.7	2.7	1.7	1.0	0.6	0.3	0.1
0.0	0.3	0.9	1.8	2.8	3.8	4.6	5.3	5.6	5.6	5.3	4.7	3.8	2.8	1.8	1.0	0.6	0.3	0.1
0.0	0.3	0.9	1.8	2.8	3.8	4.6	5.3	5.6	5.6	5.3	4.7	3.8	2.8	1.8	1.0	0.6	0.3	0.1
0.0	0.3	0.9	1.7	2.7	3.7	4.5	5.1	5.4	5.4	5.1	4.5	3.7	2.7	1.7	1.0	0.6	0.3	0.1
0.0	0.3	0.8	1.6	2.5	3.4	4.2	4.8	5.1	5.1	4.8	4.2	3.4	2.5	1.6	1.0	0.6	0.3	0.1
0.0	0.3	0.7	1.4	2.3	3.1	3.8	4.3	4.6	4.6	4.3	3.8	3.1	2.3	1.5	0.8	0.3	0.1	0.0
0.0	0.3	0.8	1.6	2.5	3.4	4.2	4.8	5.1	5.1	4.8	4.2	3.4	2.5	1.6	1.0	0.6	0.3	0.1
0.0	0.3	0.9	1.7	2.7	3.7	4.5	5.1	5.4	5.4	5.1	4.5	3.7	2.7	1.7	1.0	0.6	0.3	0.1
0.0	0.3	0.9	1.8	2.8	3.8	4.6	5.3	5.6	5.6	5.3	4.7	3.8	2.8	1.8	1.0	0.6	0.3	0.1
0.0	0.3	0.9	1.8	2.8	3.8	4.6	5.3	5.6	5.6	5.3	4.7	3.8	2.8	1.8	1.0	0.6	0.3	0.1
0.0	0.3	0.9	1.7	2.7	3.7	4.5	5.1	5.4	5.4	5.1	4.5	3.7	2.7	1.7	1.0	0.6	0.3	0.1
0.0	0.3	0.9	1.6	2.5	3.4	4.2	4.8	5.1	5.1	4.8	4.2	3.4	2.5	1.6	1.0	0.6	0.3	0.1
0.0	0.3	0.8	1.6	2.5	3.4	4.2	4.8	5.1	5.1	4.8	4.2	3.4	2.5	1.6	1.0	0.6	0.3	0.1
0.0	0.3	0.7	1.5	2.3	3.1	3.8	4.3	4.6	4.6	4.3	3.8	3.1	2.3	1.5	0.8	0.3	0.1	0.0
0.0	0.2	0.6	1.2	1.9	2.6	3.3	3.7	4.0	4.0	3.7	3.3	2.7	1.9	1.2	0.6	0.3	0.2	0.0
0.0	0.2	0.5	0.9	1.5	2.1	2.6	3.0	3.2	3.2	3.0	2.6	2.1	1.5	1.0	0.5	0.2	0.0	0.0
0.0	0.1	0.3	0.6	1.0	1.4	1.8	2.1	2.2	2.2	2.1	1.8	1.4	1.0	0.6	0.3	0.1	0.0	0.0
0.0	0.1	0.2	0.3	0.5	0.8	1.0	1.1	1.2	1.2	1.1	1.0	0.8	0.5	0.3	0.2	0.1	0.0	0.0
0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0
Flux(T)	0.4	3.3	10.0	19.6	30.8	42.0	51.8	59.0	62.8	62.8	59.1	52.0	42.3	31.1	19.9	10.2	3.4	0.4
Flux(E)	0.0	2.8	9.5	19.2	30.3	41.6	51.3	58.6	62.4	62.5	58.8	51.6	41.8	30.6	19.4	9.7	2.9	0.1
Horizontal plane																		
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
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	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	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	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	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	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	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	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	0.0	0.0	0.0
0.0	0.0	0.0																

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



C Plane (°):0.0-360.0: 30.0  
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Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
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 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	29.1	30.7	29.5	31.1	31.4	28.7	30.4	29.1	30.7	31.0
3H	30.9	32.4	31.3	32.8	33.1	30.4	31.9	30.8	32.3	32.6
4H	31.6	33.0	32.0	33.4	33.8	31.0	32.4	31.4	32.8	33.2
6H	32.1	33.4	32.5	33.8	34.2	31.4	32.7	31.8	33.0	33.4
8H	32.3	33.5	32.7	33.9	34.3	31.4	32.6	31.8	33.0	33.5
12H	32.3	33.5	32.8	33.9	34.4	31.4	32.6	31.8	33.0	33.4
X=4H Y=2H	29.7	31.1	30.1	31.4	31.8	29.4	30.8	29.8	31.1	31.5
3H	31.7	32.9	32.1	33.3	33.7	31.3	32.5	31.7	32.9	33.3
4H	32.5	33.6	33.0	34.0	34.4	32.0	33.1	32.4	33.5	33.9
6H	33.1	34.0	33.6	34.5	35.0	32.4	33.4	32.9	33.8	34.3
8H	33.3	34.2	33.8	34.6	35.1	32.5	33.4	33.0	33.8	34.3
12H	33.4	34.2	33.9	34.7	35.2	32.5	33.3	33.0	33.8	34.3
X=8H Y=4H	32.7	33.6	33.2	34.1	34.6	32.3	33.2	32.8	33.6	34.1
6H	33.4	34.2	33.9	34.7	35.1	32.8	33.6	33.3	34.1	34.5
8H	33.7	34.3	34.2	34.8	35.3	33.0	33.6	33.5	34.1	34.6
12H	33.8	34.4	34.4	34.9	35.5	33.0	33.6	33.5	34.1	34.6
X=12H Y=4H	32.8	33.5	33.3	34.0	34.5	32.3	33.1	32.8	33.6	34.1
6H	33.5	34.1	34.0	34.6	35.1	32.9	33.5	33.4	34.0	34.6
8H	33.7	34.3	34.3	34.8	35.4	33.0	33.6	33.6	34.1	34.7

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	0.55	0.66	0.73	0.79	0.86	0.91	0.95	1.00	1.03
	0.30		0.47	0.58	0.66	0.72	0.80	0.86	0.90	0.96	0.99
	0.20		0.41	0.52	0.60	0.66	0.75	0.81	0.85	0.92	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.96	0.99
	0.30		0.46	0.57	0.64	0.70	0.78	0.83	0.87	0.92	0.95
	0.20		0.41	0.51	0.59	0.65	0.73	0.79	0.83	0.89	0.93
0.30	0.50	0.20	0.52	0.62	0.68	0.73	0.80	0.85	0.88	0.92	0.95
	0.30		0.46	0.56	0.63	0.68	0.75	0.81	0.84	0.89	0.92
	0.20		0.41	0.51	0.58	0.64	0.72	0.77	0.81	0.86	0.90
0.00	0.00	0.00	0.38	0.48	0.55	0.61	0.68	0.73	0.77	0.82	0.85
Rating:4W 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	1.02	0.84	0.72	0.62	0.50	0.41	0.35	0.27	0.22	
	0.30		0.85	0.72	0.62	0.55	0.45	0.38	0.33	0.26	0.21	
	0.20		0.73	0.63	0.55	0.50	0.41	0.35	0.30	0.24	0.20	
0.50	0.50	0.20	0.98	0.81	0.69	0.60	0.48	0.43	0.34	0.26	0.21	
	0.30		0.83	0.70	0.61	0.54	0.43	0.36	0.31	0.25	0.20	
	0.20		0.72	0.62	0.54	0.48	0.40	0.34	0.30	0.23	0.19	
0.30	0.50	0.20	0.95	0.78	0.66	0.57	0.46	0.38	0.32	0.25	0.20	
	0.30		0.81	0.68	0.59	0.52	0.42	0.35	0.30	0.24	0.19	
	0.20		0.71	0.61	0.53	0.48	0.39	0.33	0.29	0.23	0.19	
0.00	0.00	0.00	0.61	0.51	0.44	0.39	0.32	0.26	0.23	0.18	0.15	
Rating:4W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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(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		0.05	0.07	0.08	0.09	0.12	0.13	0.14	0.16	0.17	
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	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.07	0.08	0.09	0.11	0.13	0.14	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	0.12	0.13	0.15	0.16	0.17	0.18	0.18	
	0.20		0.05	0.07	0.08	0.09	0.11	0.13	0.14	0.15	0.16	
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:4W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												