



Cat# 71712A
LED Linear High Bay
120W

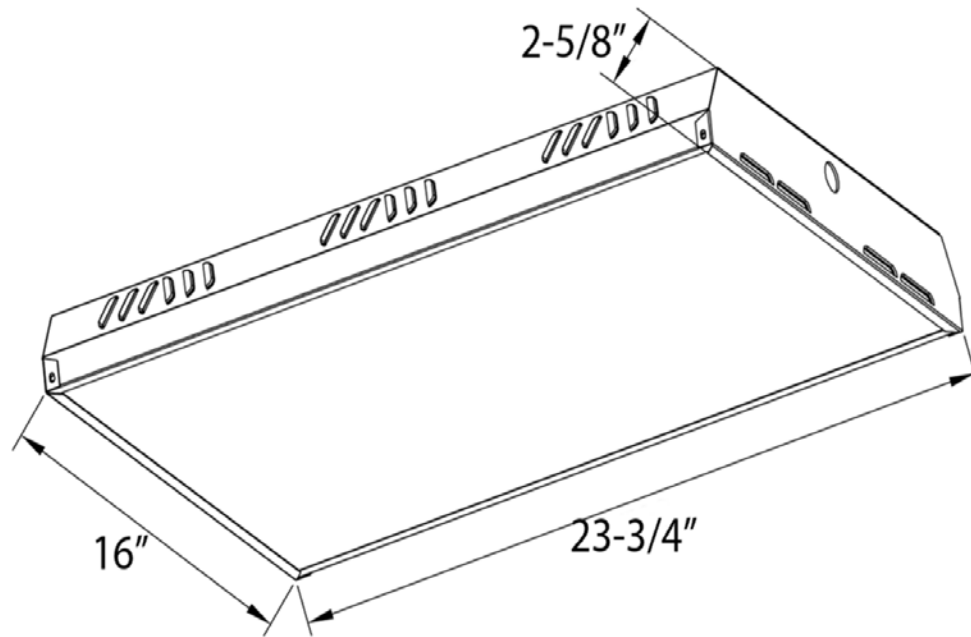
Dimming:
DC 0-10V



QPL ID #
P1YP17JZ

Model :		71712A
OVERALL LAMP PARAMETERS	Input Voltage	100-277VAC
	Input Current	1.0209A
	Input Power	120 W
	Power Factor	PF≥0.95
	Luminance	15000 LM
	Luminous Efficiency	125 LM/W
	CRI	≥80
	Beam Angle	120°
	Main Structure	Heavy Gauge Steel Housing
	Surface	White Powder Coat Finish
	Lens	Clear Polycarbonate
LED DRIVER	Output Voltage	40-66V
	Output Current	1150mA
	Driver Efficiency	92%
	LED Manufacturer	Towin
	LED Efficacy	128 lm/W
	Color Temperature	5000K
LIFESPAN & ENVIRONMENT	Lifespan	50000 Hrs.
	Warranty	5 Years
	Operating Temperature	-22°F— +104°F
OTHERS	Diamension	Pls refer to attached dimension drawing
	Net Weight(Kg)	4.3
	Gross Weight(Kg)	6
	Box Size	--
	Carton Size(mm)	68.5*50*10
	Q'ty / Carton	1

Dimension: 71712A



Report No.:

Test Time: 2016-03-16 16:53

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: LED

Lamp Catalog: ZT2835/SL60-I1200 120-277W D1S*2

Lamp Description: 2834/5000K

Luminous Length (mm): 602

Luminous Height (mm): 68

Current: 1.074 A

Power Factor: 0.994

Luminaire Description: 71712A

Number of Lamps: 1024

Luminous Width (mm): 407

Voltage: 119.3 V

Power: 127.30 W

Photometric Results

CIE Class: Direct

Measurement Flux: 15052.7 lm

Downward Ratio: 99%

Field Angle: H154.0 V155.4

Luminaire Efficacy Rating (LER): 118

Max. Intensity: 5170.53 cd

Total Rated Lamp Lumens: 15052.7 lm

Efficiency: 100%

Upward Ratio: 1%

Beam Angle: H116.7 V115.2

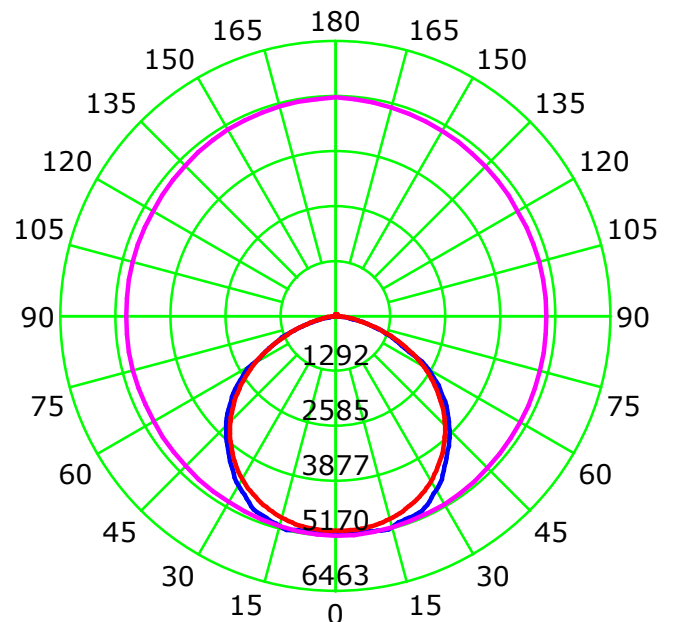
Central Intensity: 5113.53 cd

Pos of Max. Intensity: H0 V14

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G14

C Plane (°):0.0-360.0: 30.0

Test Lab: JIANGMEN

Test Type: TYPE C

Temperature: 35

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.384 m

Humidity: 45-75

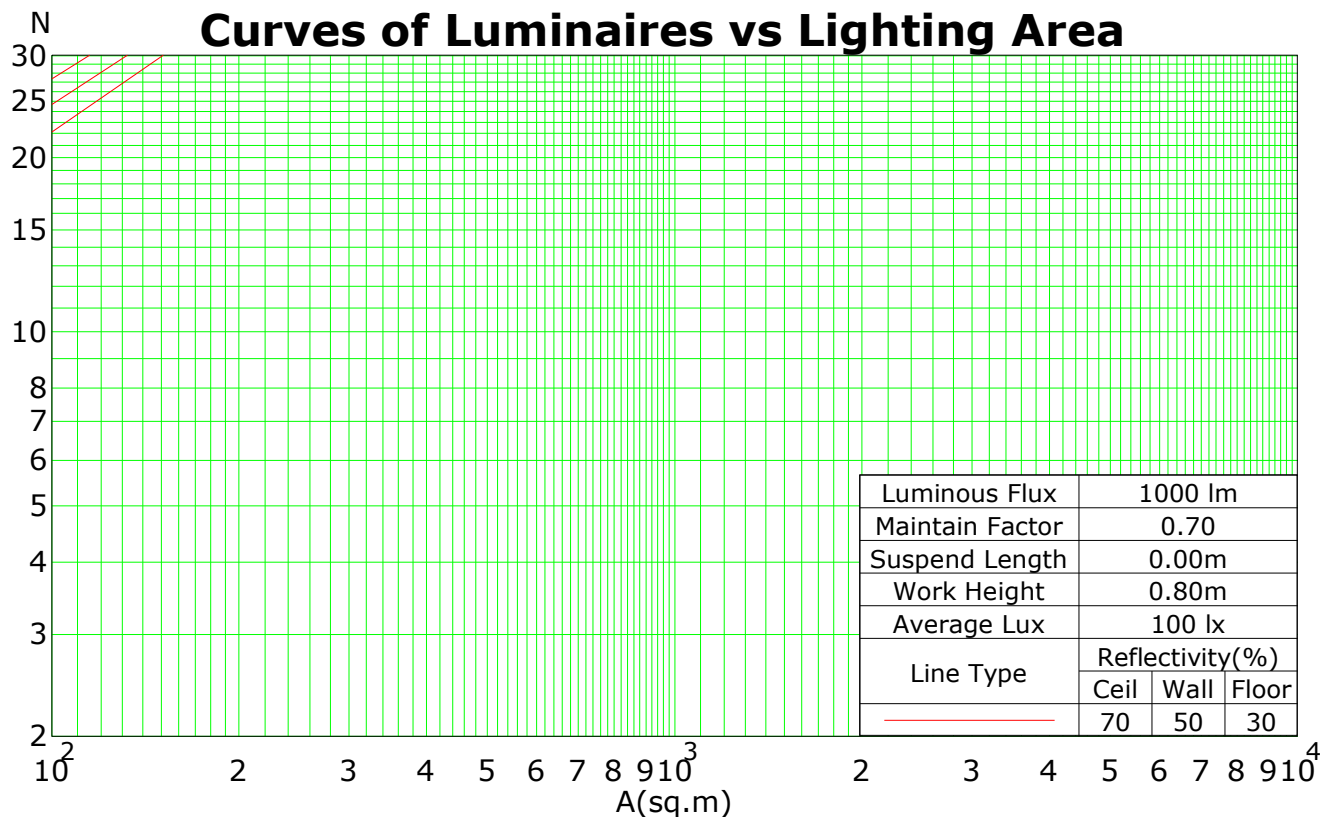
Inspector:



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	101	101	101	99
1	109	105	101	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84
2	99	92	85	79	97	90	84	78	86	81	76	82	78	74	79	76	73	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	59
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	62	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	50	46	44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	42	36	32	30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24

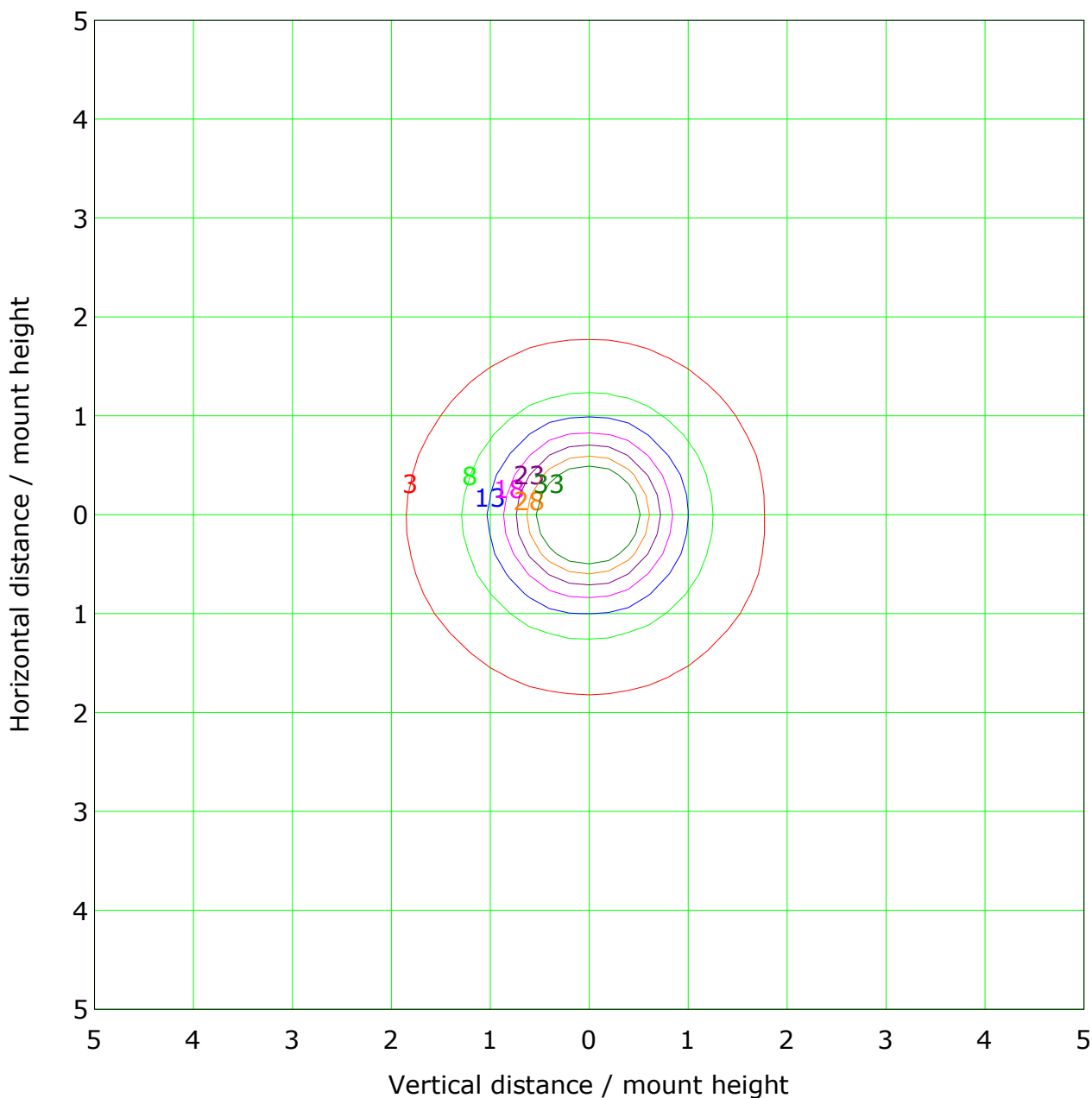
Spacing Criteria (0-180): 1.34
Spacing Criteria (90-270): 1.31
Spacing Criteria (Diagonal): 1.43



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Inspector:

IsoLux Plot



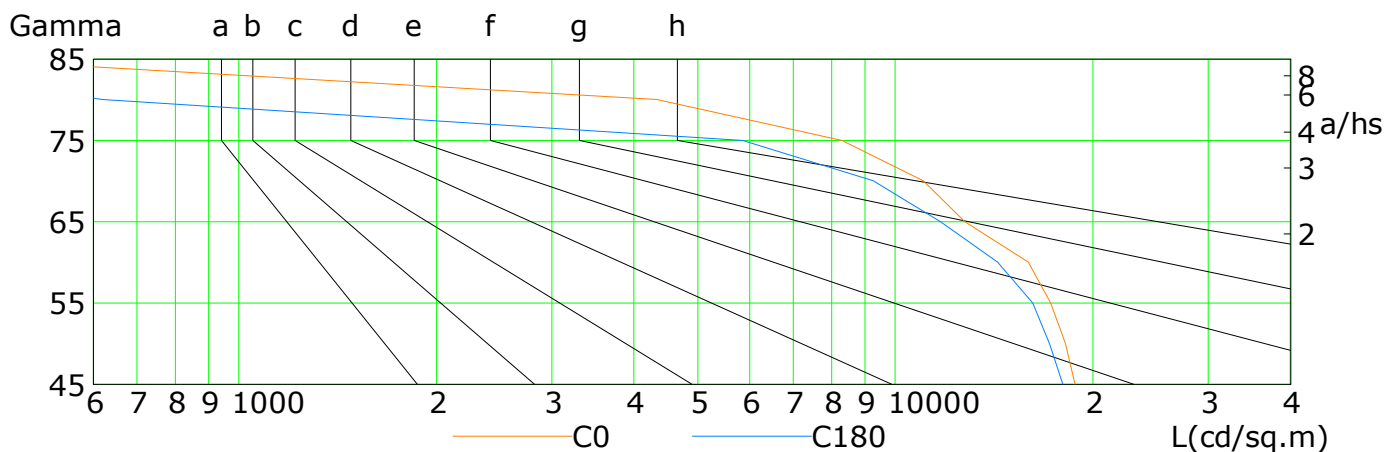
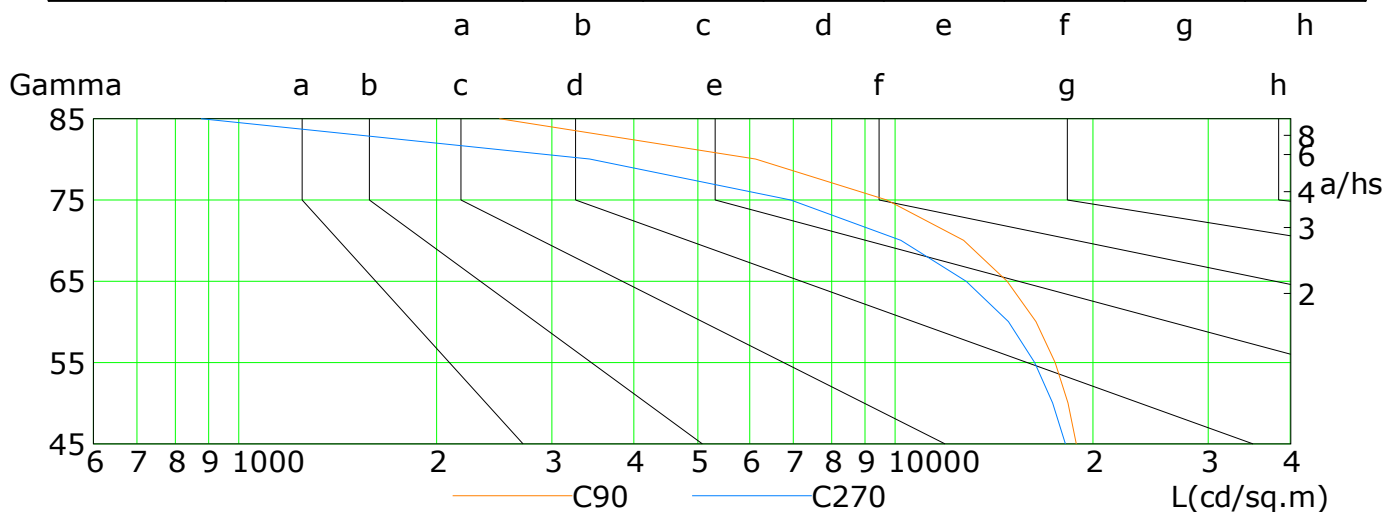
Mounting Height: 10.0m		Max Lux(100%): 51.1 lx	
— (5%):	2.6 lx	— (15%):	7.7 lx
— (25%):	12.8 lx	— (35%):	17.9 lx
— (45%):	23.0 lx	— (55%):	28.1 lx
— (65%):	33.2 lx		

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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

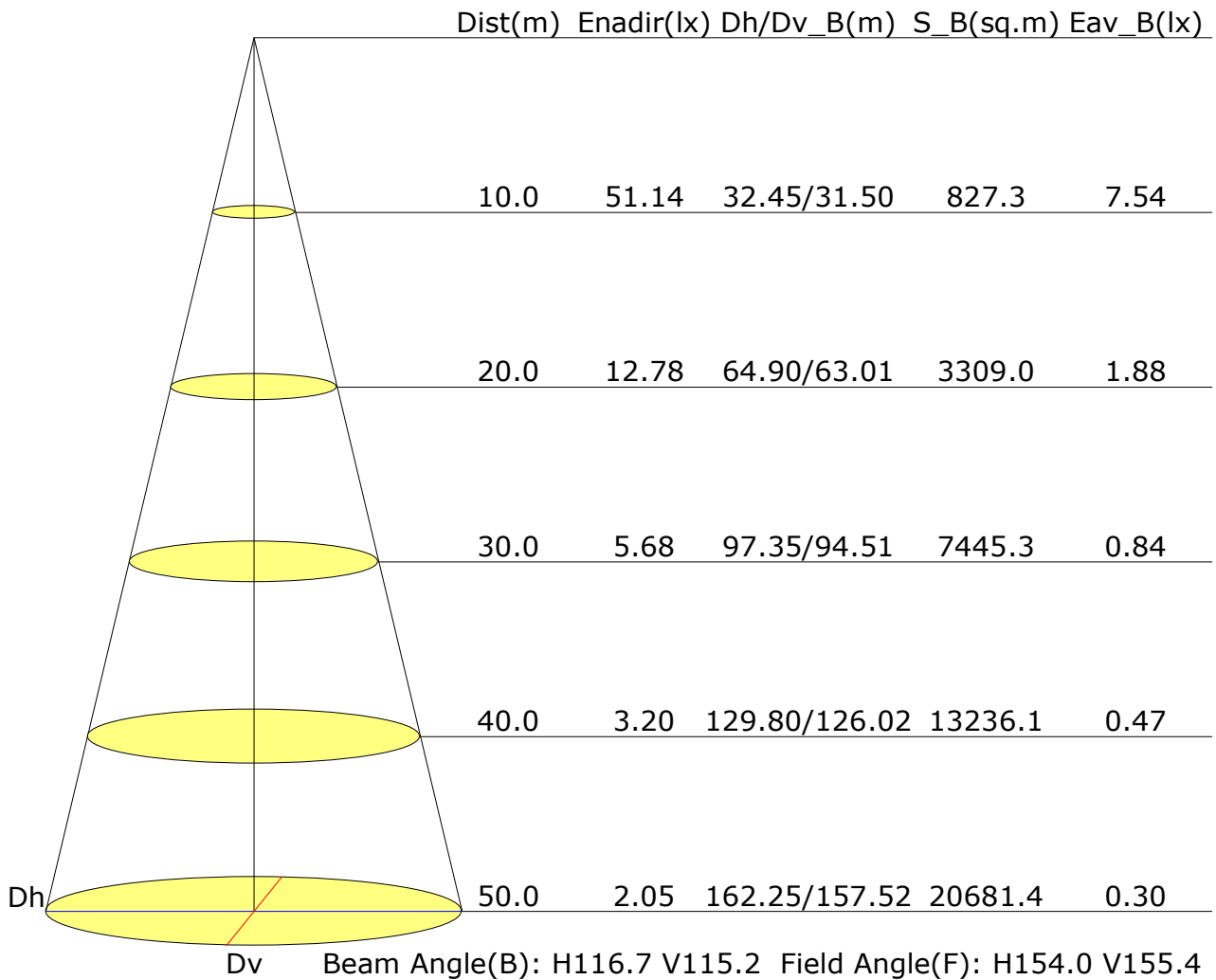


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	18804	18180	17243	15963	12779	11021	8301	4332	392
C90	18881	18310	17508	16391	14818	12700	9703	6128	2497
C180	18021	17170	16189	14330	11727	9254	5861	620	289
C270	18152	17360	16297	14857	12824	10207	6936	3426	875

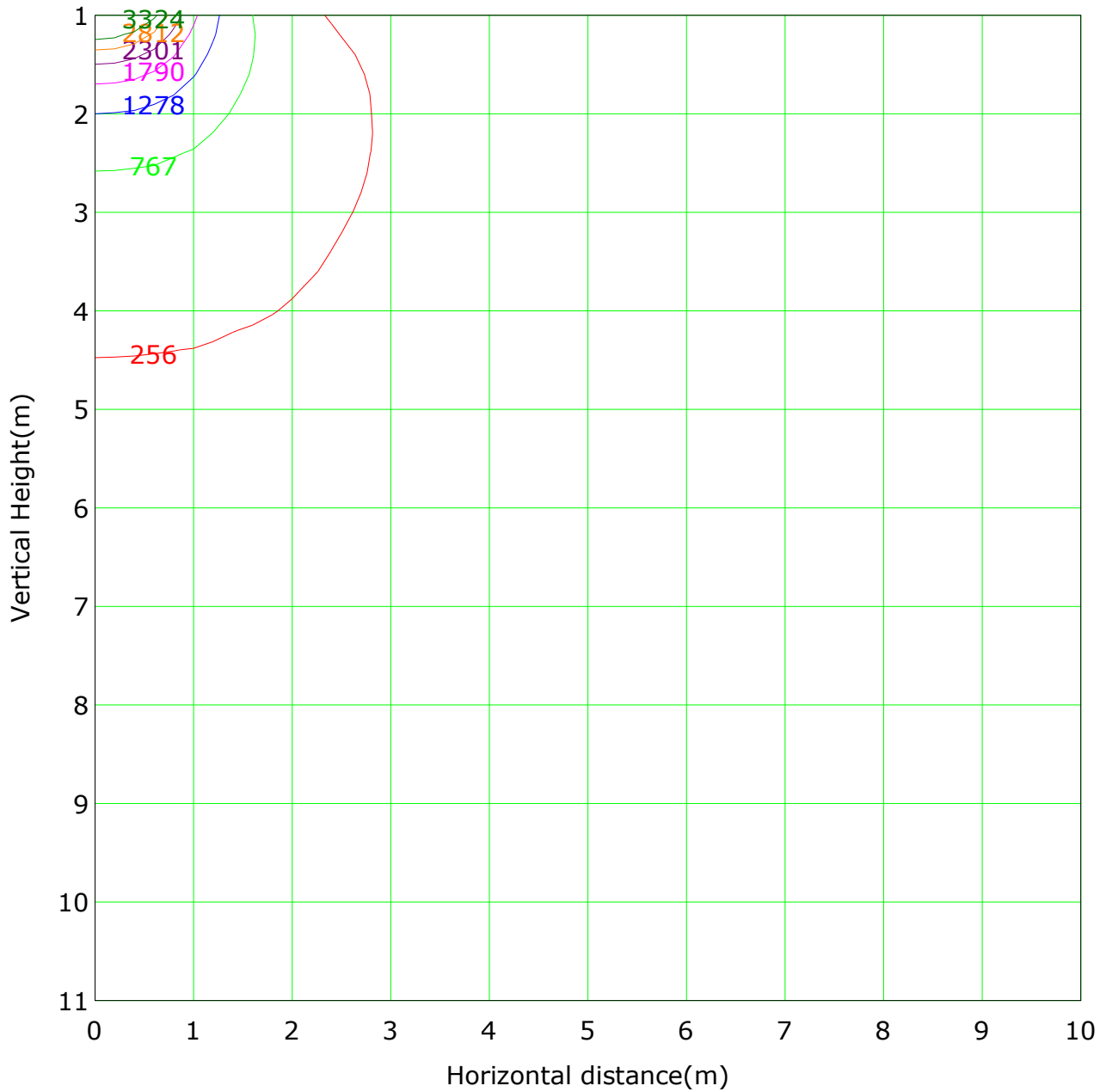
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Illuminance at a Distance

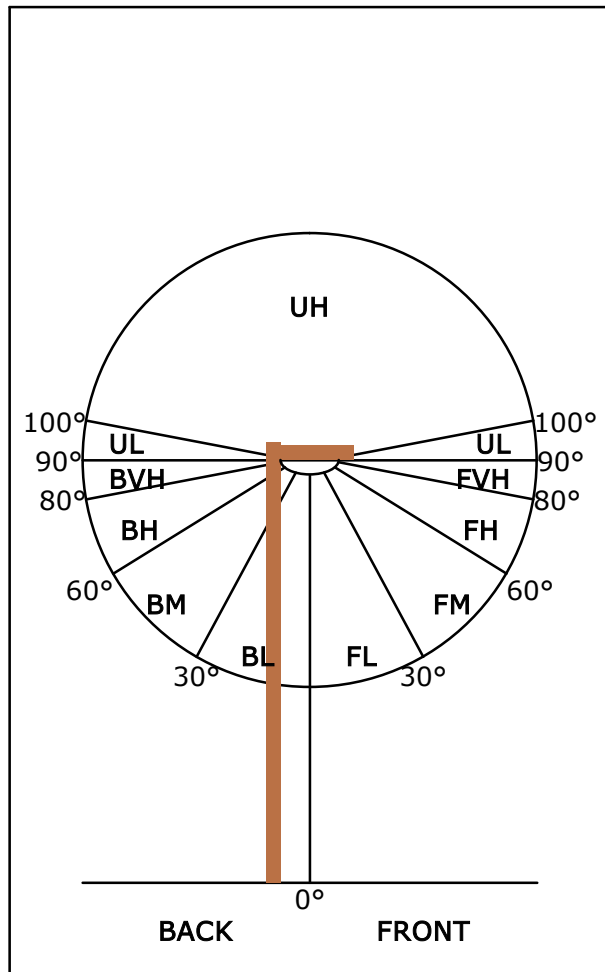


Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 5113.5 lx
 (5%): 255.7 lx (15%): 767.0 lx
 (25%): 1278.4 lx (35%): 1789.7 lx
 (45%): 2301.1 lx (55%): 2812.4 lx
 (65%): 3323.8 lx

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	7617	50.6
FL (0°-30°)	2058	13.7
FM (30°-60°)	4110	27.3
FH (60°-80°)	1387	9.2
FVH (80°-90°)	63	0.4
BACK LIGHT	7250	48.2
BL (0°-30°)	2046	13.6
BM (30°-60°)	3983	26.5
BH (60°-80°)	1191	7.9
BVH (80°-90°)	30	0.2
UP LIGHT	186	1.2
UL (90°-100°)	16	0.1
UH (100°-180°)	170	1.1
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U3 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U3 G1

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