

Report No.:

Test Time: 2022/10/21 11:14

Luminaire Property

Luminaire Manufacturer: ASD LIGHTING CORP
 Luminaire Modle: ASD-WHB5AZZ-400D50

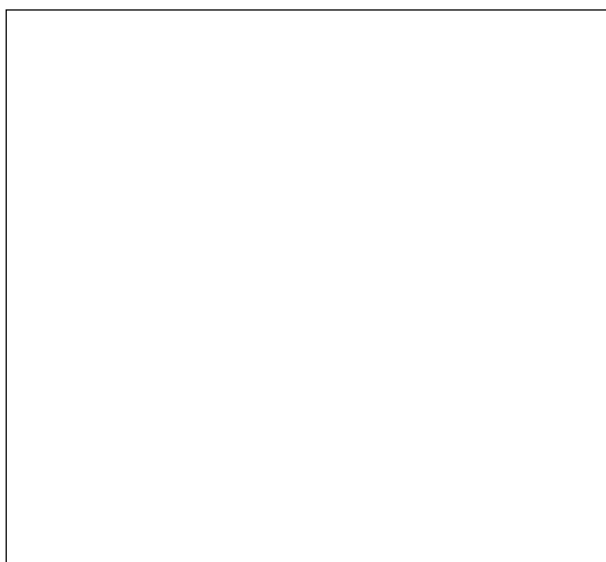
Luminous Length (mm): 996
 Luminous Height (mm):
 Current: 3.236 A
 Power Factor: 0.999

Voltage: 120.0 V
 Power: 386,6 W

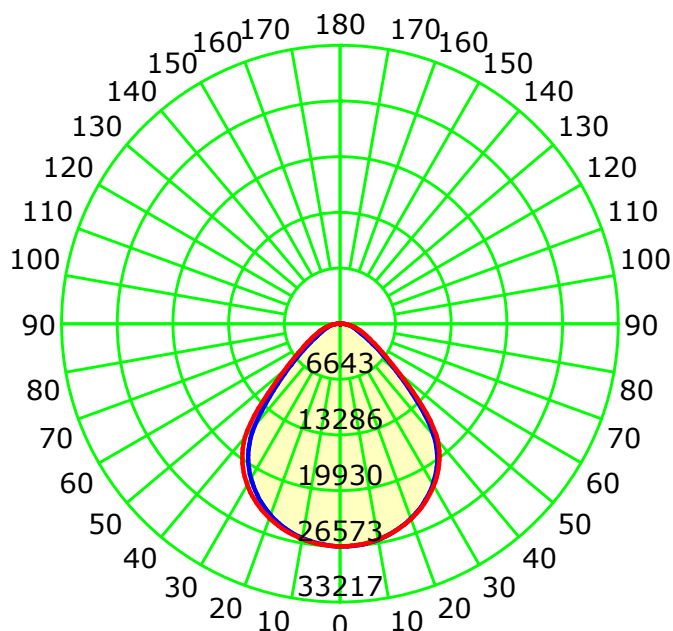
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 53082 lm
Measurement Flux: 54067.3 lm	Efficiency: 100%
Downward Ratio: 100%	Upward Ratio: 0%
Horizontal Diffuse Angle(10%,50%): H130.6,H87.3	
Vertical Diffuse Angle(10%,50%): V139.6,V90.2	
Luminaire Efficacy Rating (LER): 139.43	C0r0 Intensity: 26566.35 cd
Max. Intensity: 26573.9 cd	Pos of Max. Intensity: H45 V1
S/MH(C0/C180): 1.21	S/MH(C90/C270): 1.24

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 88.8°

— C0-C180 — C90-C270

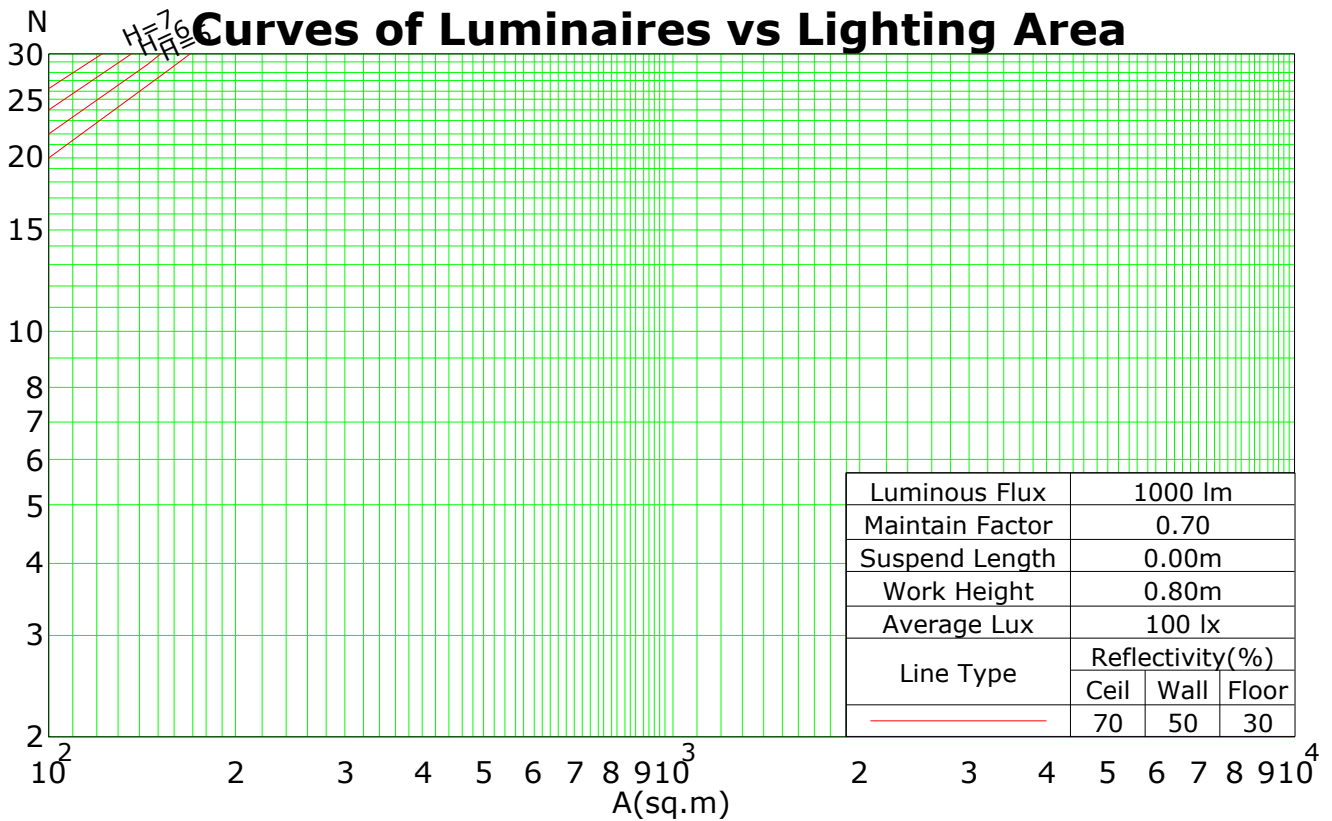
C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.3 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 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	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.11	1.07	1.03	1.00	1.08	1.04	1.01	0.98	1.00	0.97	0.95	0.96	0.94	0.92	0.93	0.91	0.89	0.87
2	1.02	0.95	0.90	0.85	1.00	0.93	0.88	0.84	0.90	0.86	0.82	0.87	0.83	0.80	0.84	0.81	0.78	0.76
3	0.95	0.86	0.79	0.73	0.92	0.84	0.78	0.72	0.81	0.76	0.71	0.78	0.74	0.70	0.76	0.72	0.69	0.67
4	0.88	0.77	0.70	0.64	0.86	0.76	0.69	0.63	0.74	0.67	0.63	0.71	0.66	0.62	0.69	0.65	0.61	0.59
5	0.81	0.70	0.62	0.56	0.79	0.69	0.62	0.56	0.67	0.60	0.55	0.65	0.59	0.55	0.63	0.58	0.54	0.52
6	0.76	0.64	0.56	0.50	0.74	0.63	0.55	0.50	0.61	0.55	0.50	0.60	0.54	0.49	0.58	0.53	0.49	0.47
7	0.71	0.59	0.51	0.45	0.69	0.58	0.50	0.45	0.56	0.50	0.45	0.55	0.49	0.44	0.54	0.48	0.44	0.42
8	0.66	0.54	0.46	0.41	0.65	0.53	0.46	0.41	0.52	0.45	0.40	0.51	0.45	0.40	0.50	0.44	0.40	0.38
9	0.62	0.50	0.42	0.37	0.61	0.49	0.42	0.37	0.48	0.41	0.37	0.47	0.41	0.37	0.46	0.41	0.37	0.35
10	0.58	0.46	0.39	0.34	0.57	0.46	0.39	0.34	0.45	0.38	0.34	0.44	0.38	0.34	0.43	0.37	0.33	0.32

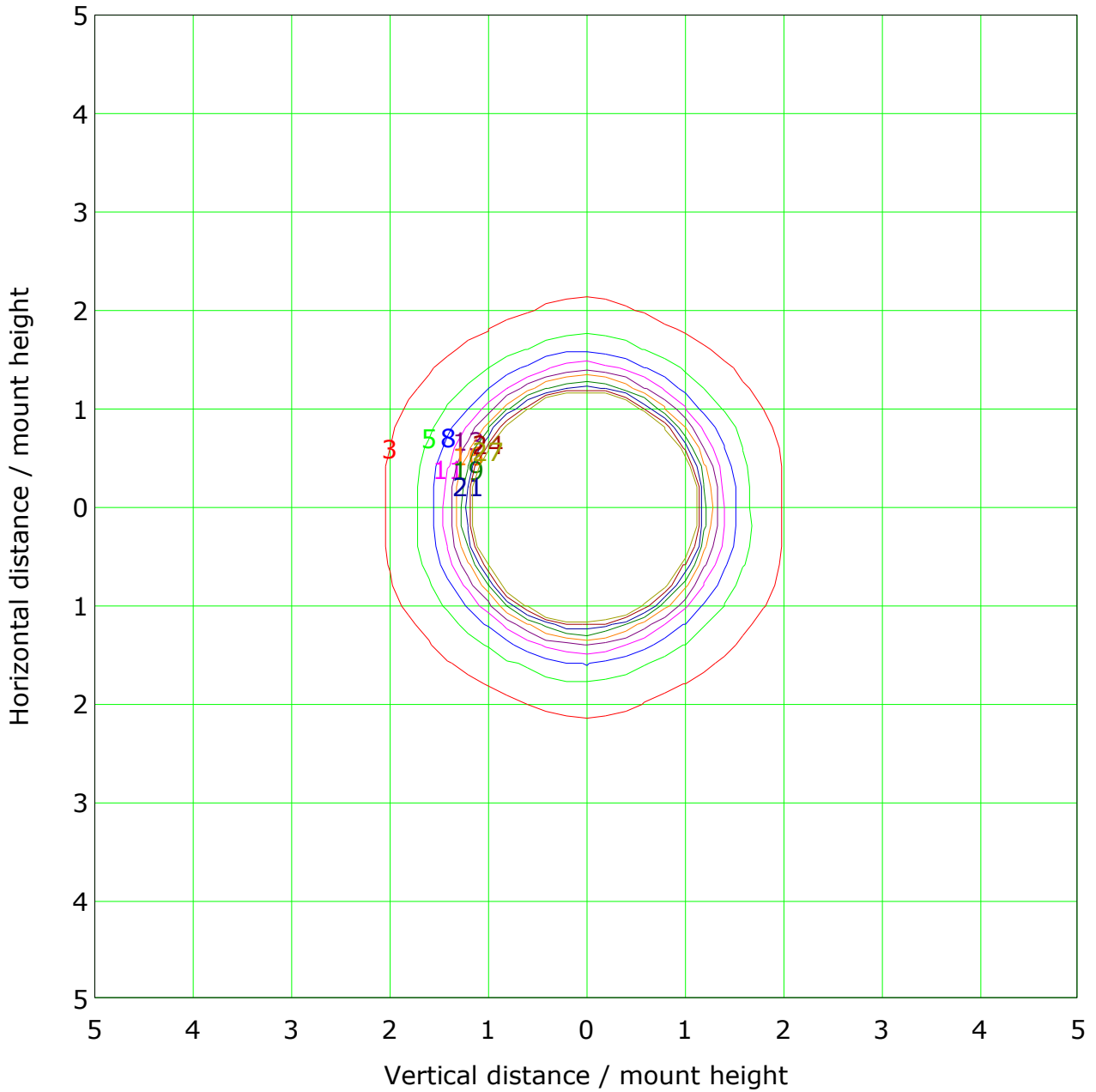
Spacing Criteria (0-180): 1.21
 Spacing Criteria (90-270): 1.24
 Spacing Criteria (Diagonal): 1.26



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IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 265.7 lx
— (1%):	2.7 lx	— (2%): 5.3 lx
— (3%):	8.0 lx	— (4%): 10.6 lx
— (5%):	13.3 lx	— (6%): 15.9 lx
— (7%):	18.6 lx	— (8%): 21.3 lx
— (9%):	23.9 lx	— (10%): 26.6 lx

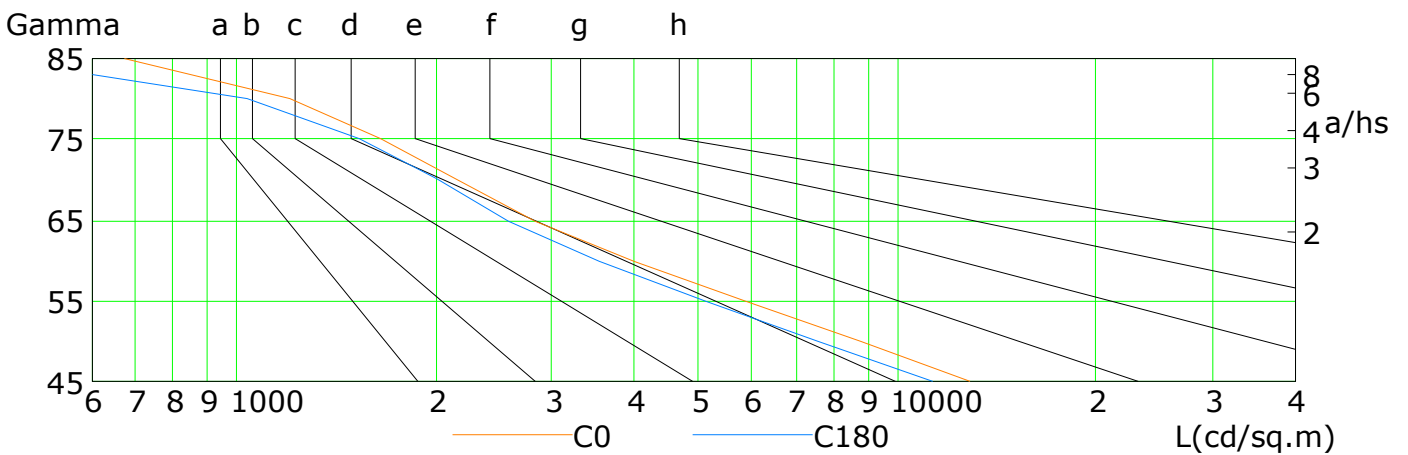
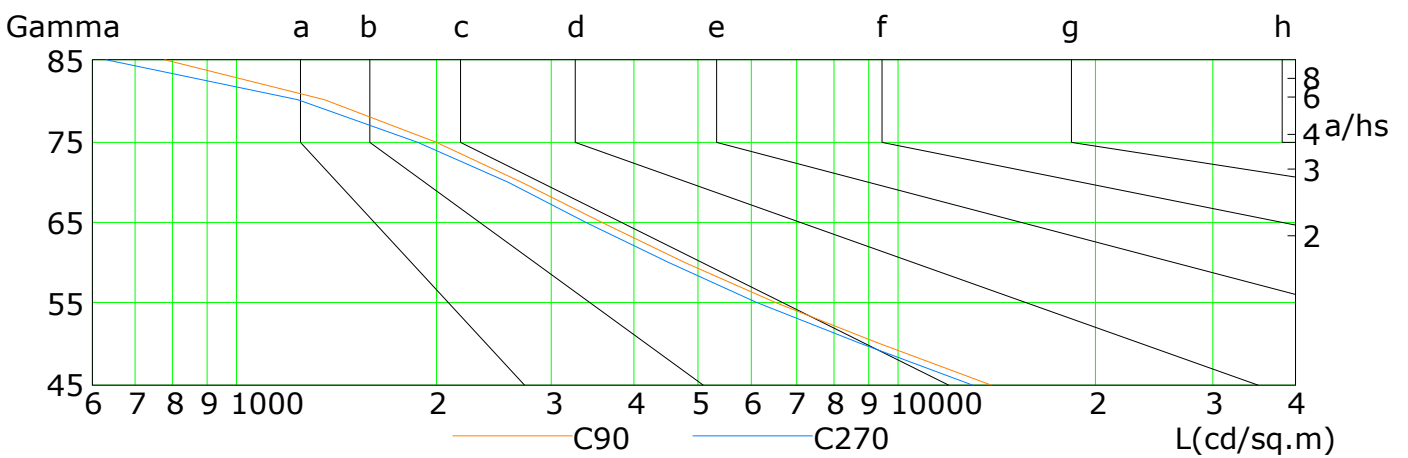
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Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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

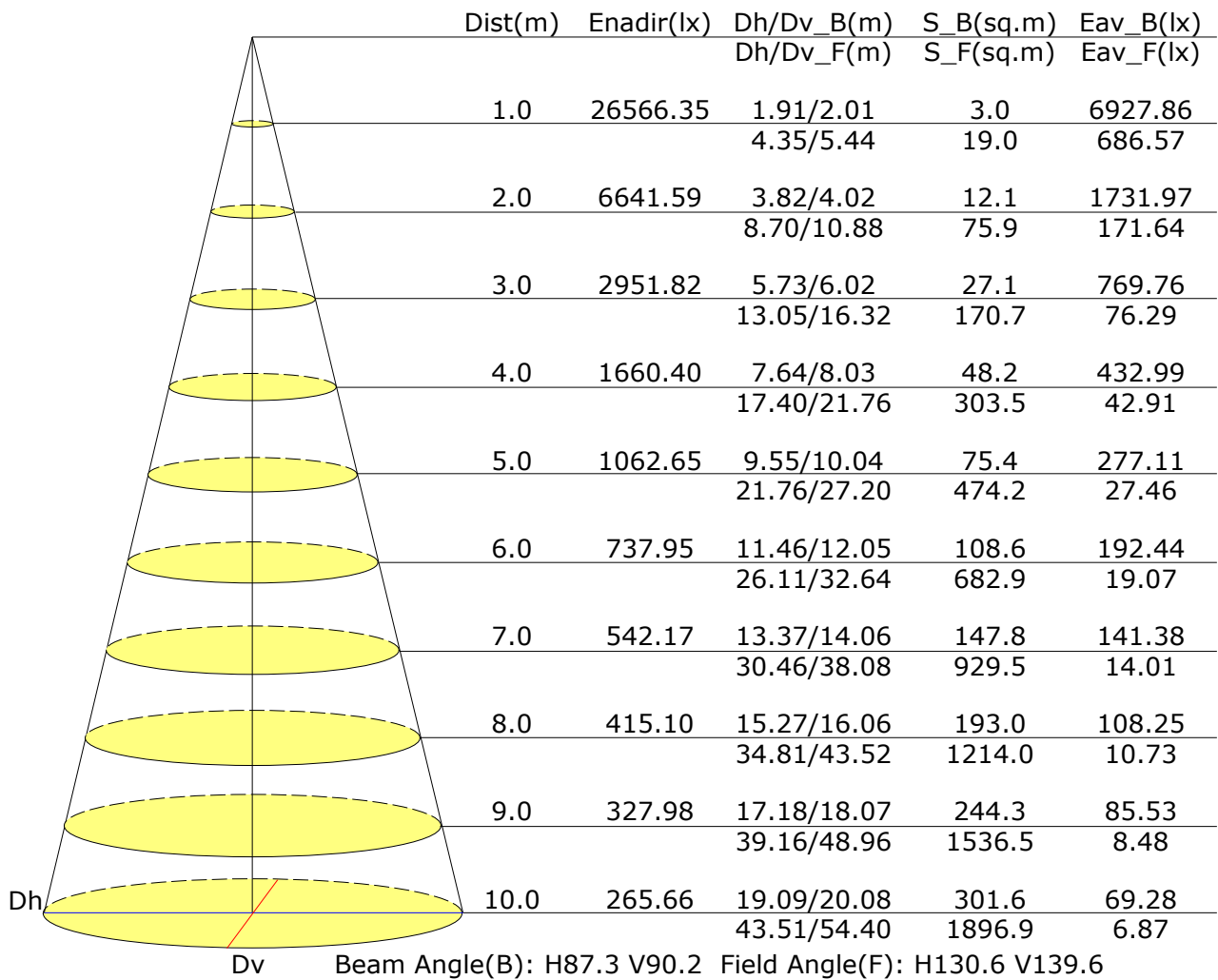


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	12885	8755	5891	3998	2821	2146	1654	1199	673
C90	13837	9336	6532	4764	3565	2698	2007	1355	772
C180	11261	7604	5136	3546	2586	1993	1522	1031	416
C270	12947	8686	6121	4500	3381	2563	1874	1234	631

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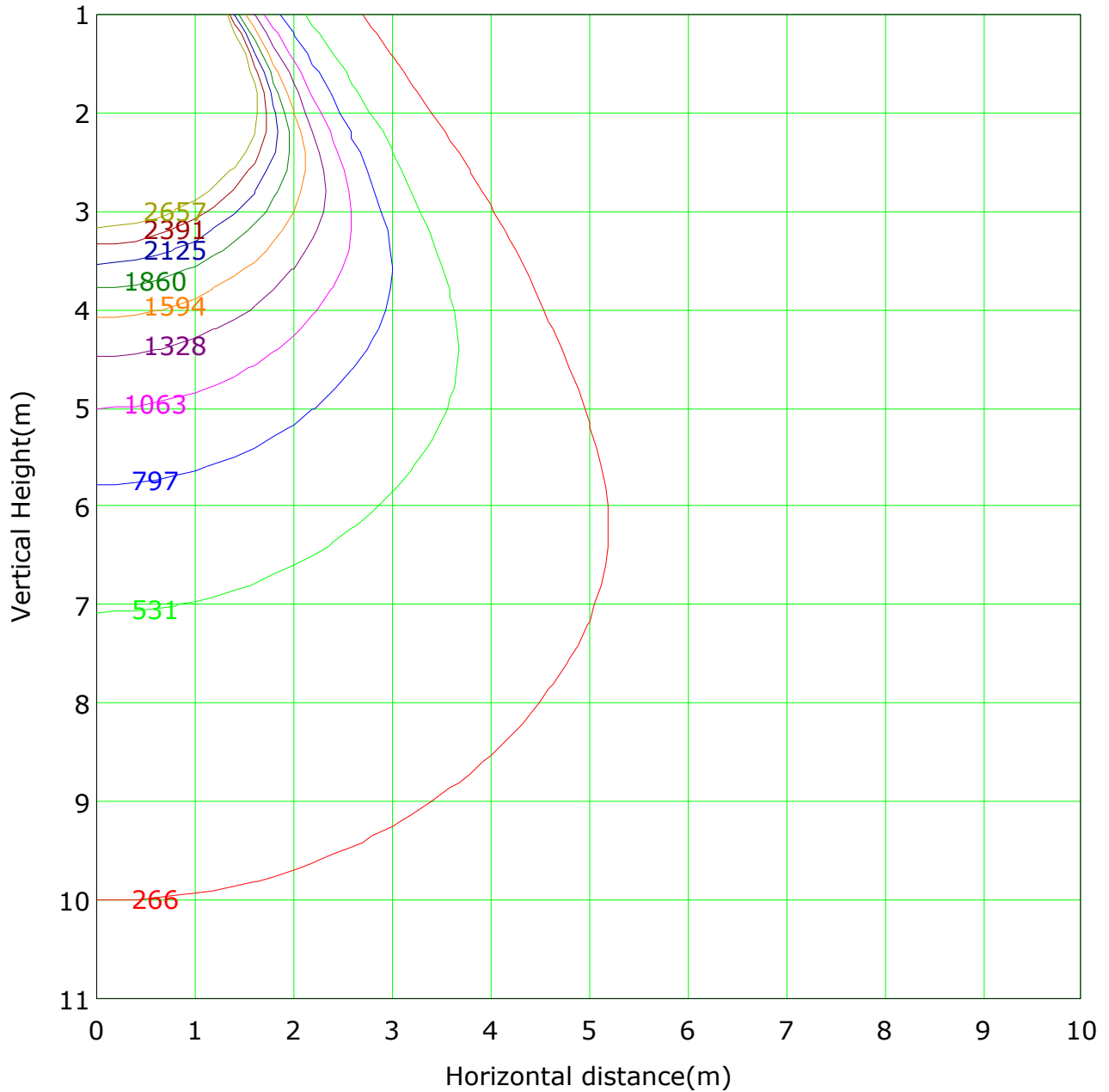
Illuminance at a Distance



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Vertical IsoLux Plot

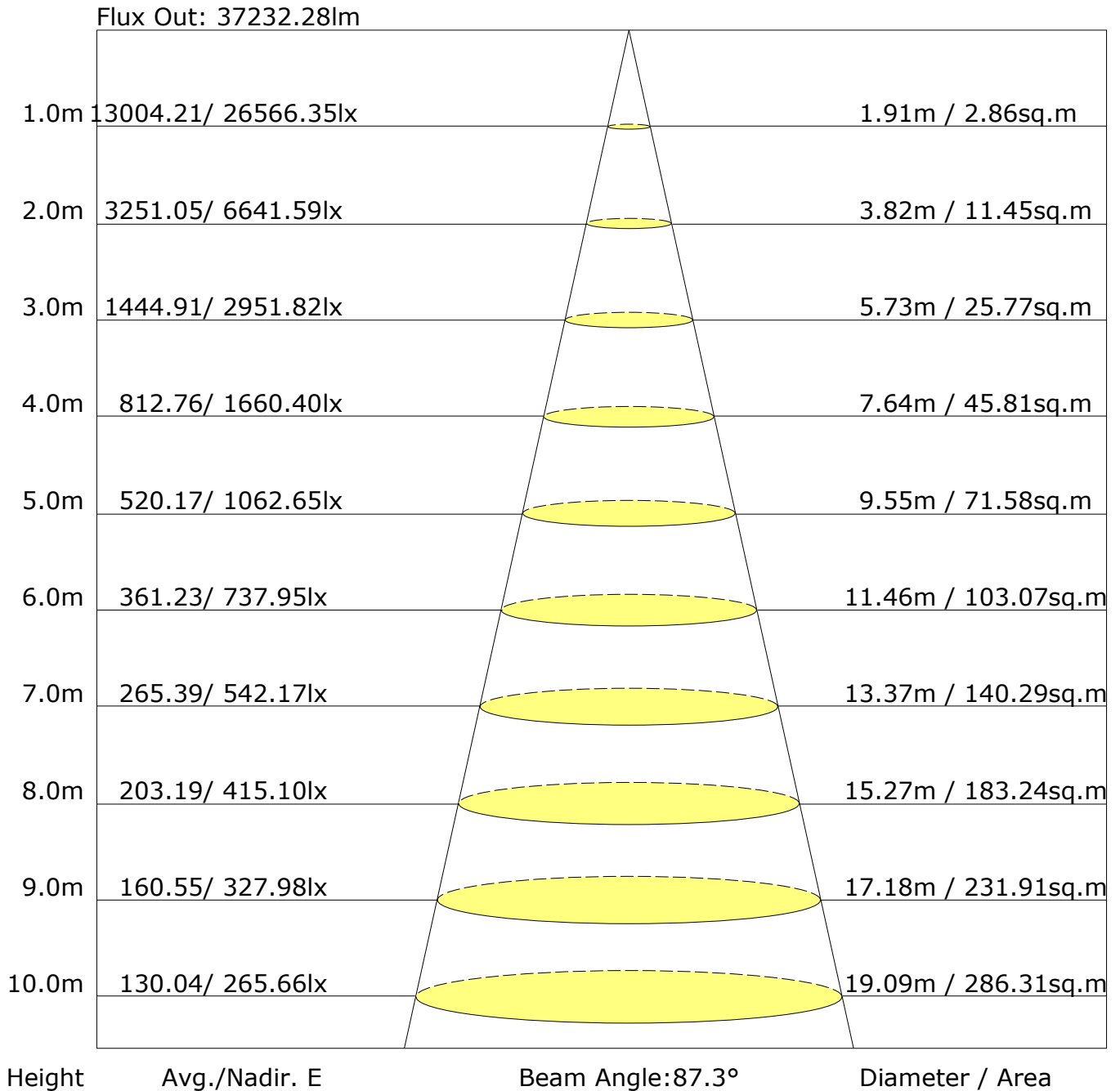


Lowest(m): 1.0m		Highest(m): 11.0m		Max Lux: 26566.3 lx	
— (1%): 265.7 lx		— (2%): 531.3 lx		— (4%): 1062.7 lx	
— (3%): 797.0 lx		— (5%): 1328.3 lx		— (6%): 1594.0 lx	
— (7%): 1859.6 lx		— (8%): 2125.3 lx		— (10%): 2656.6 lx	
— (9%): 2391.0 lx					

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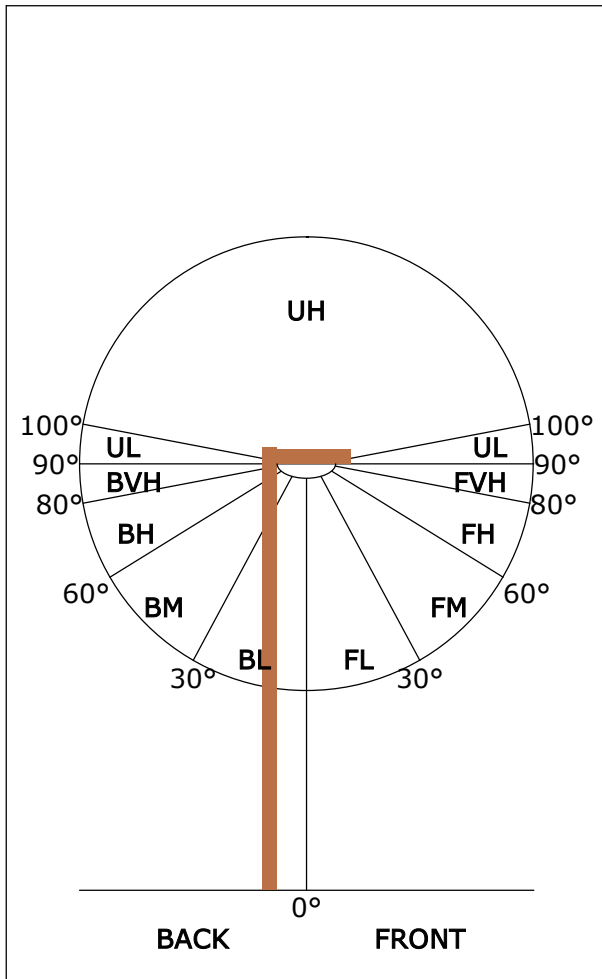
The Average Illuminance Effective Figure



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FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	27244	50.4
FL (0°-30°)	10283	19.0
FM (30°-60°)	14057	26.0
FH (60°-80°)	2557	4.7
FVH (80°-90°)	348	0.6
BACK LIGHT	26661	49.3
BL (0°-30°)	10249	19.0
BM (30°-60°)	13658	25.3
BH (60°-80°)	2454	4.5
BVH (80°-90°)	300	0.6
UP LIGHT	162	0.3
UL (90°-100°)	18	0.0
UH (100°-180°)	144	0.3
TRAPPED LIGHT	0	0.0

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B5 U5 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B5 U5 G2

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