

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P948929

Luminaire Tested: **GALN-SB3D-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28251 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

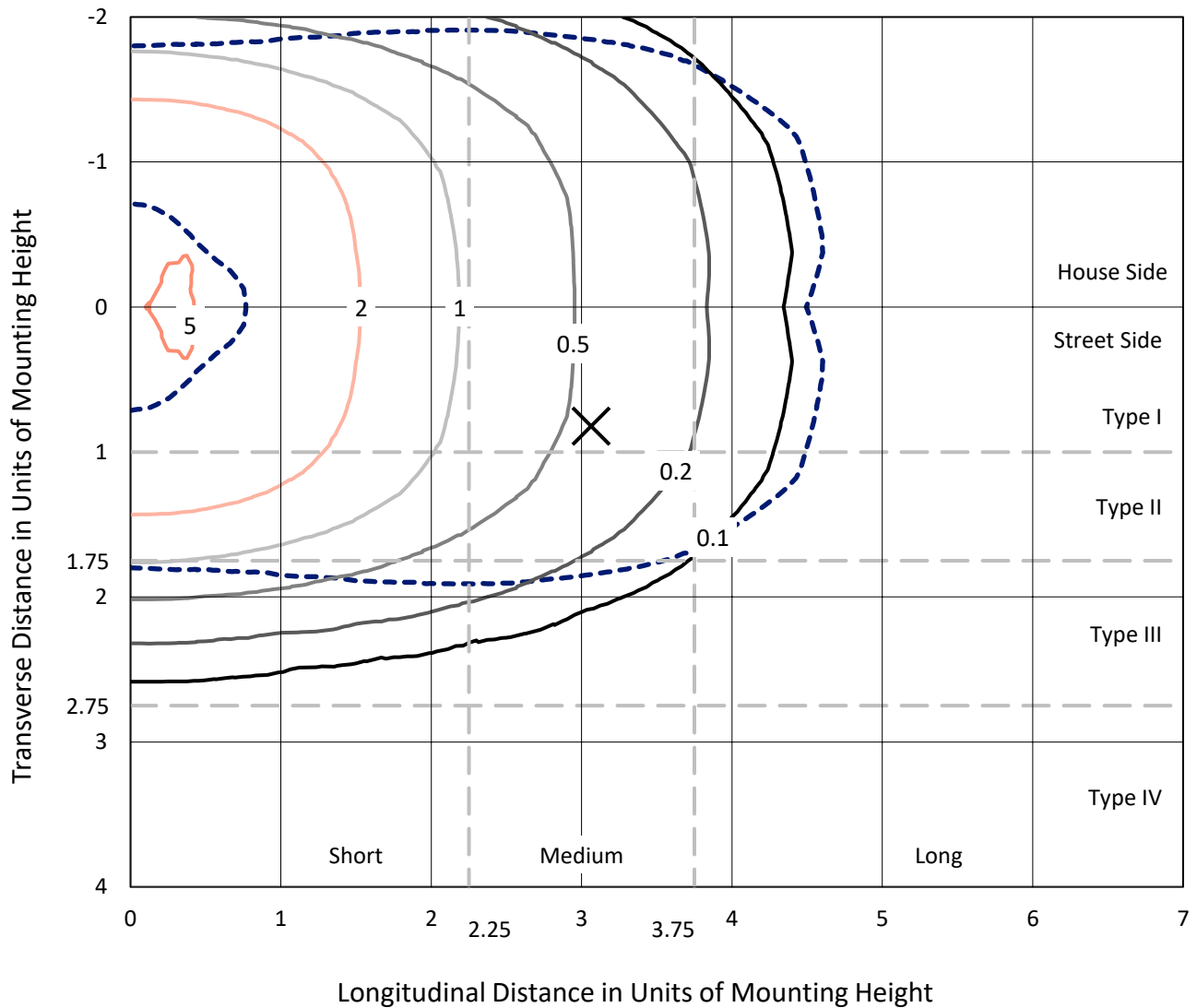
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

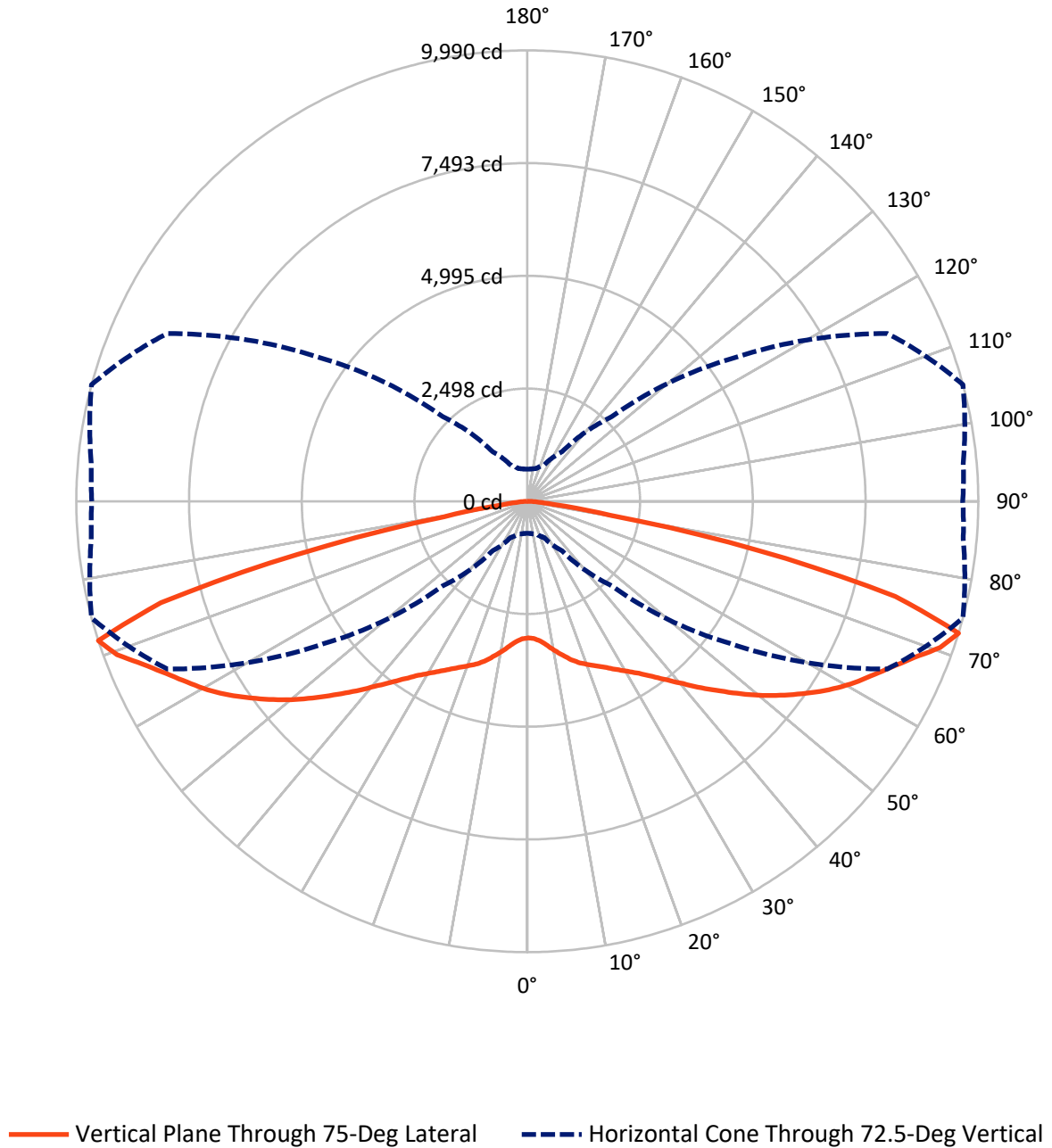
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14125.5	0.0	14125.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14125.5	0.0	14125.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28251.0	0.0	28251.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.4	1.0
10°-20°	977.7	3.5
20°-30°	1889.2	6.7
30°-40°	3190.1	11.3
40°-50°	5059.2	17.9
50°-60°	6773.6	24.0
60°-70°	6446.3	22.8
70°-80°	3363.8	11.9
80°-90°	254.6	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	28251.0	100.0
0°-180°	28251.0	100.0

Coefficient of Utilization



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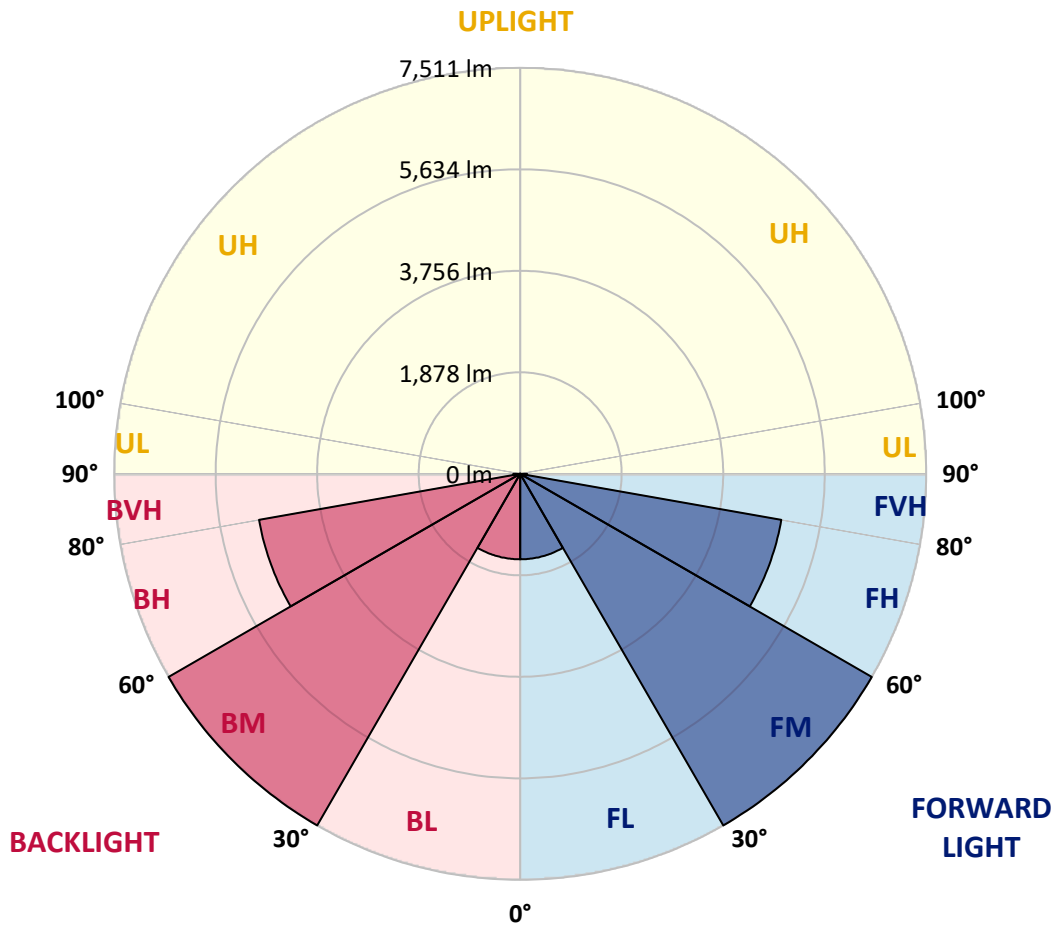
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1581.7	5.6			
FM (30°-60°)	7511.4	26.6			
FH (60°-80°)	4905.0	17.4			G2/5000
FVH (80°-90°)	127.3	0.5			G2/225
BL (0°-30°)	1581.7	5.6	B3/2500		
BM (30°-60°)	7511.4	26.6	B4/8500		
BH (60°-80°)	4905.0	17.4	B4/5000		G4/5000
BVH (80°-90°)	127.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3026.2	3026.2	3026.2	3026.2	3026.2	3026.2	3026.2	3026.2	3026.2	3026.2
2.5°	3026.2	3023.3	3026.2	3029.1	3027.6	3027.6	3034.8	3039.2	3047.8	3046.4
5°	3006.0	3004.6	3016.1	3029.1	3039.2	3056.5	3078.1	3094.0	3114.2	3118.5
7.5°	2995.9	2991.6	3011.8	3034.8	3066.6	3109.8	3151.7	3195.0	3229.6	3241.1
10°	3003.1	3004.6	3032.0	3075.2	3125.7	3186.3	3245.4	3319.0	3368.0	3379.6
12.5°	3036.3	3033.4	3079.6	3148.8	3218.0	3294.5	3363.7	3444.5	3497.9	3525.3
15°	3096.9	3091.1	3156.0	3258.4	3359.4	3448.8	3505.1	3581.5	3643.5	3678.2
17.5°	3169.0	3171.9	3257.0	3389.7	3522.4	3623.3	3676.7	3715.7	3763.3	3793.6
20°	3295.9	3301.7	3396.9	3554.1	3705.6	3821.0	3864.2	3849.8	3862.8	3885.9
22.5°	3466.1	3469.0	3575.7	3746.0	3904.6	4031.6	4060.4	4001.3	3965.2	3981.1
25°	3663.7	3682.5	3789.2	3963.8	4126.8	4247.9	4260.9	4171.5	4082.0	4086.4
27.5°	3904.6	3921.9	4030.1	4203.2	4369.1	4474.4	4472.9	4353.2	4222.0	4188.8
30°	4165.7	4184.4	4295.5	4474.4	4628.7	4721.0	4700.8	4558.0	4370.5	4308.5
32.5°	4475.8	4487.4	4599.9	4778.7	4921.5	4995.1	4953.3	4777.3	4543.6	4472.9
35°	4850.8	4868.2	4951.8	5120.6	5246.1	5306.6	5236.0	5028.3	4765.7	4686.4
37.5°	5279.2	5267.7	5362.9	5512.9	5616.8	5654.3	5557.6	5311.0	5019.6	4925.8
40°	5726.4	5720.6	5824.5	5968.7	6025.0	6048.0	5905.2	5635.5	5312.4	5211.4
42.5°	6131.7	6127.4	6267.3	6427.4	6495.2	6469.2	6288.9	5980.3	5651.4	5536.0
45°	6456.3	6450.5	6622.1	6847.1	6979.8	6936.6	6694.3	6361.1	5994.7	5875.0
47.5°	6705.8	6708.7	6893.3	7171.7	7403.9	7419.8	7108.2	6749.1	6372.6	6237.0
50°	6886.1	6894.7	7092.4	7401.0	7718.4	7858.3	7530.9	7147.2	6763.5	6610.6
52.5°	6930.8	6946.7	7184.7	7546.7	7920.3	8187.2	7960.7	7529.4	7134.2	6988.5
55°	6692.8	6724.5	7026.0	7535.2	8044.4	8403.5	8338.6	7917.4	7507.8	7357.8
57.5°	6146.1	6190.8	6542.8	7207.8	8016.9	8552.1	8631.4	8289.6	7881.4	7737.1
60°	5380.2	5433.6	5771.1	6496.6	7630.4	8606.9	8837.7	8651.6	8224.7	8084.7
62.5°	4224.8	4294.1	4697.9	5549.0	6814.0	8351.6	9013.7	8979.0	8533.3	8358.8
65°	2710.3	2783.9	3209.4	4214.7	5724.9	7569.8	9068.5	9297.8	8859.3	8615.5
67.5°	1634.3	1667.4	1878.0	2554.5	4184.4	6391.3	8604.0	9651.2	9240.1	8937.2
70°	1045.8	1064.5	1190.0	1500.1	2365.6	4663.3	7453.0	9717.6	9701.7	9267.5
72.5°	709.7	715.4	748.6	888.5	1338.6	2649.7	5497.0	8797.3	9990.2	9693.0
75°	519.3	551.0	604.4	628.9	760.2	1324.1	3150.2	6180.8	8419.4	8549.2
77.5°	386.6	388.0	461.6	490.4	542.3	705.3	1332.8	3450.3	5227.3	5488.4
80°	327.4	310.1	308.7	395.2	408.2	439.9	595.7	1191.4	1872.3	1135.2
82.5°	272.6	253.9	229.3	308.7	278.4	269.7	258.2	484.7	595.7	292.8
85°	190.4	181.7	173.1	201.9	158.7	135.6	124.0	226.5	251.0	124.0
87.5°	82.2	85.1	86.5	89.4	66.4	47.6	47.6	63.5	63.5	49.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3026.2
3044.9
3118.5
3244.0
3391.1
3536.8
3691.1
3808.0
3903.2
3992.6
4093.6
4198.9
4315.7
4490.2
4697.9
4943.2
5244.6
5564.8
5902.4
6277.4
6656.7
7026.0
7399.6
7770.3
8115.0
8379.0
8645.8
8960.3
9264.6
9646.9
8234.8
4895.6
858.2
249.5
109.6
36.1
0.0

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