

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: P528567

Luminaire Tested: **GALN-SA3C-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3C-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10778 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 160
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



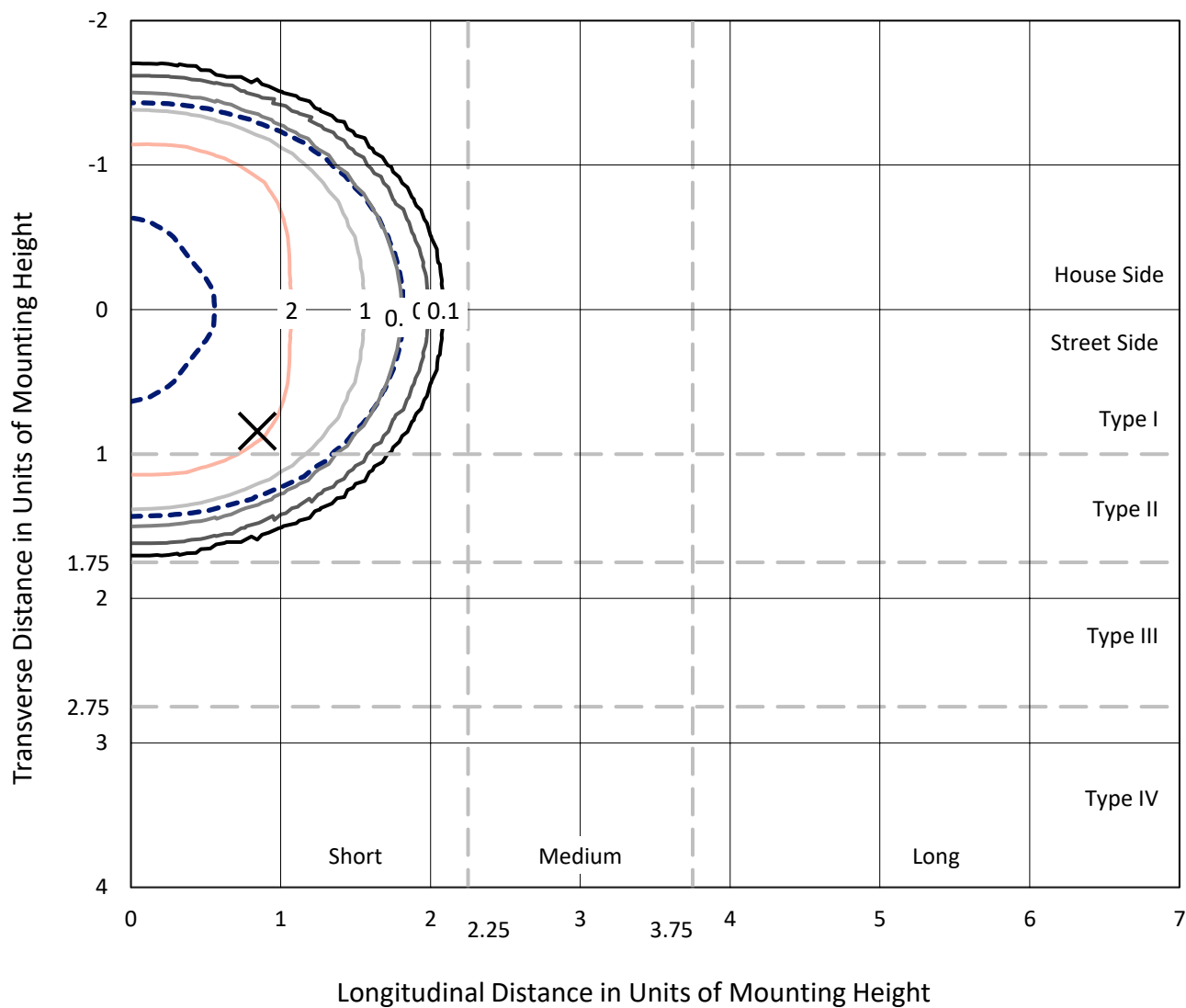
REPORT NUMBER: P528567

CATALOG NUMBER: GALN-SA3C-830-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

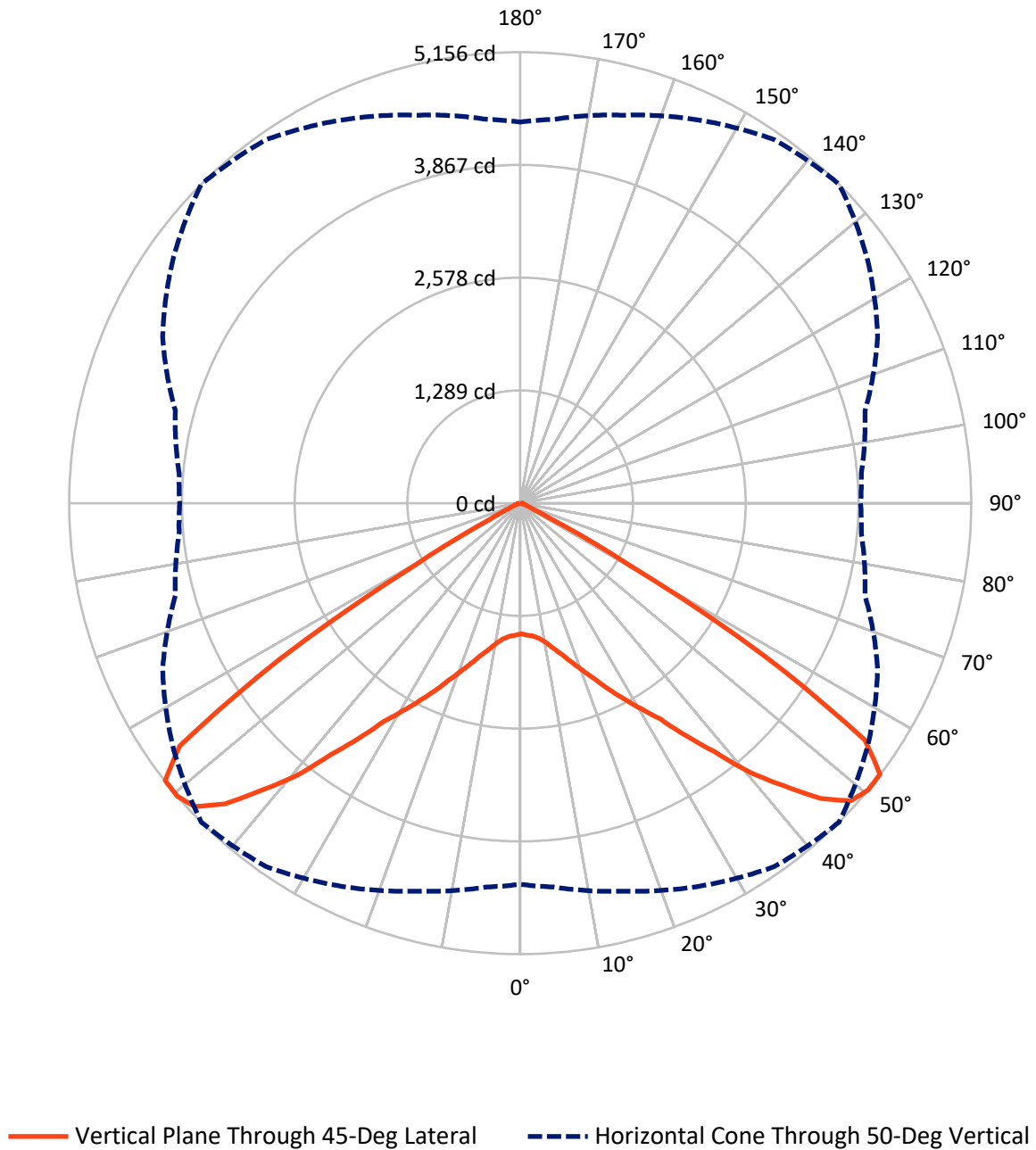


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

REPORT NUMBER: P528567

CATALOG NUMBER: GALN-SA3C-830-U-RW-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P528567

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5389.0	0.0	5389.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5389.0	0.0	5389.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10778.0	0.0	10778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	1.4
10°-20°	512.4	4.8
20°-30°	1046.4	9.7
30°-40°	1995.5	18.5
40°-50°	3362.8	31.2
50°-60°	3207.0	29.8
60°-70°	447.7	4.2
70°-80°	42.8	0.4
80°-90°	14.8	0.1
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°	10778.0	100.0
0°-180°	10778.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528567

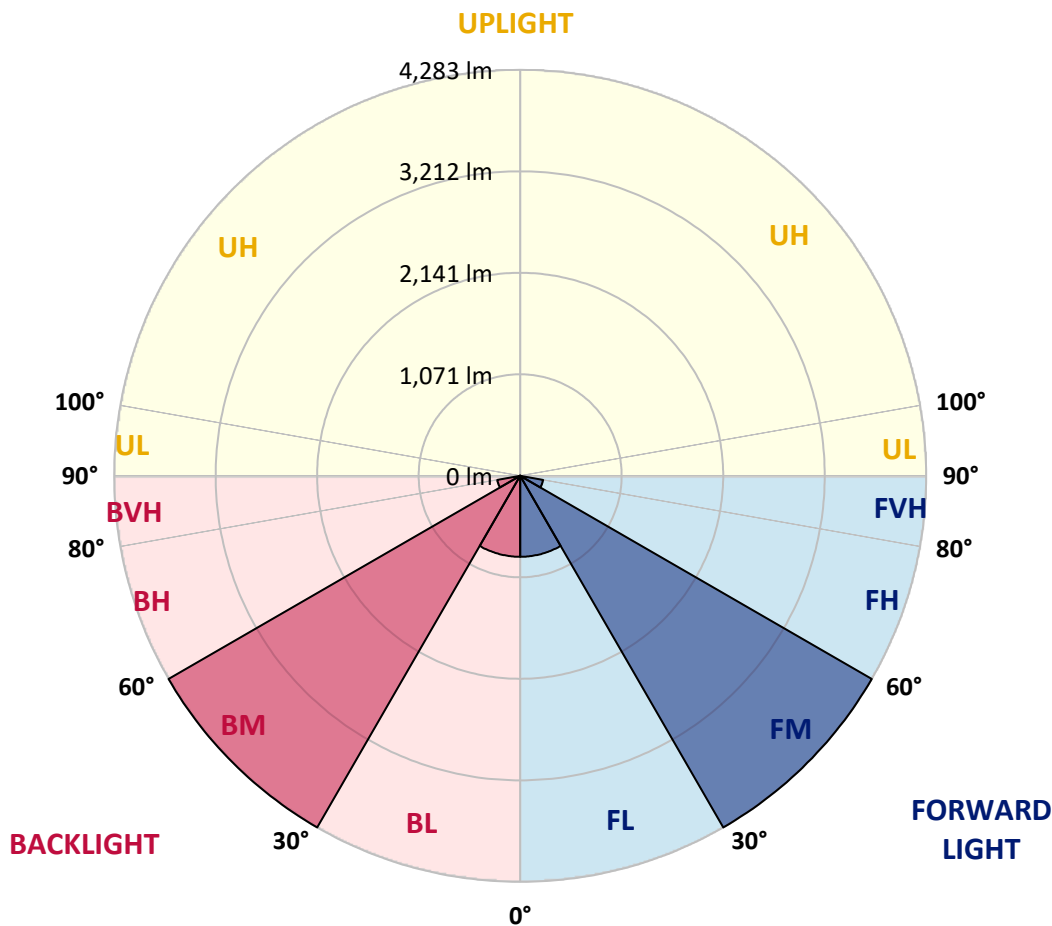
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	853.7	7.9			
FM	(30°-60°)	4282.6	39.7			
FH	(60°-80°)	245.2	2.3			G0/660
FVH	(80°-90°)	7.4	0.1			G0/10
BL	(0°-30°)	853.7	7.9	B2/1000		
BM	(30°-60°)	4282.6	39.7	B3/5000		
BH	(60°-80°)	245.2	2.3	B1/500		G0/660
BVH	(80°-90°)	7.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3
2.5°	1488.8	1488.8	1487.0	1501.5	1494.3	1510.6	1508.8	1514.2	1519.6	1517.8	1532.3
5°	1476.1	1474.3	1474.3	1490.6	1506.9	1525.1	1541.4	1552.3	1570.4	1570.4	1588.5
7.5°	1488.8	1479.7	1492.4	1499.7	1530.5	1561.3	1588.5	1610.3	1652.0	1666.5	1661.1
10°	1492.4	1503.3	1512.4	1534.1	1572.2	1619.4	1643.0	1697.4	1744.5	1777.1	1784.4
12.5°	1516.0	1532.3	1557.7	1610.3	1644.8	1706.4	1739.1	1791.7	1856.9	1893.2	1918.6
15°	1561.3	1566.8	1599.4	1666.5	1740.9	1797.1	1847.9	1885.9	1949.4	1991.1	1992.9
17.5°	1619.4	1643.0	1688.3	1751.8	1829.7	1913.1	1953.0	1994.8	2018.3	2074.5	2087.2
20°	1735.4	1739.1	1782.6	1866.0	1963.9	2040.1	2069.1	2090.9	2081.8	2139.8	2150.7
22.5°	1844.2	1847.9	1902.3	2014.7	2119.9	2185.2	2197.9	2185.2	2158.0	2199.7	2203.3
25°	1954.9	1987.5	2027.4	2139.8	2270.4	2357.4	2359.2	2324.8	2268.6	2275.8	2294.0
27.5°	2127.1	2150.7	2192.4	2295.8	2439.0	2537.0	2520.6	2478.9	2406.4	2411.8	2406.4
30°	2328.4	2350.2	2384.6	2517.0	2622.2	2729.2	2752.8	2712.9	2604.1	2580.5	2607.7
32.5°	2571.4	2602.2	2665.7	2787.2	2876.1	2941.4	2957.7	2943.2	2841.6	2832.5	2850.7
35°	2867.0	2908.7	2966.7	3073.7	3146.3	3264.1	3264.1	3215.2	3122.7	3133.6	3131.8
37.5°	3178.9	3240.6	3331.2	3440.0	3538.0	3601.4	3581.5	3539.8	3447.3	3423.7	3447.3
40°	3570.6	3601.4	3715.7	3857.1	3976.8	4049.3	3964.1	3873.4	3652.2	3686.7	3750.1
42.5°	3927.8	3976.8	4063.9	4219.8	4355.8	4415.7	4314.1	4134.6	3868.0	3840.8	3888.0
45°	4232.5	4285.1	4399.3	4622.4	4765.6	4818.2	4593.4	4303.2	3998.6	3929.7	3949.6
47.5°	4435.6	4462.8	4622.4	4834.6	4965.1	5084.8	4762.0	4419.3	4060.2	3929.7	3922.4
50°	4357.6	4404.8	4591.6	4832.7	5070.3	5155.5	4847.2	4508.1	4080.2	3913.3	3891.6
52.5°	3869.8	3951.4	4160.0	4484.6	4843.6	5148.3	4965.1	4479.1	4072.9	3929.7	3962.3
55°	2692.9	2694.7	2948.6	3427.3	4062.0	4780.2	4792.8	4511.8	4120.1	4031.2	4033.0
57.5°	1082.6	1137.0	1331.0	1811.6	2397.3	3282.3	3902.5	4185.4	4125.5	4103.8	4160.0
60°	273.8	275.6	335.5	511.4	843.2	1407.2	2043.7	2765.5	3184.4	3327.6	3347.6
62.5°	139.6	141.4	156.0	181.3	230.3	377.2	671.0	1064.5	1514.2	1742.7	1802.5
65°	114.2	114.2	123.3	136.0	137.8	145.1	174.1	248.4	360.9	409.8	415.3
67.5°	87.0	87.0	94.3	101.6	105.2	103.4	99.7	103.4	125.1	119.7	116.1
70°	54.4	56.2	59.8	67.1	70.7	72.5	74.3	78.0	88.9	92.5	88.9
72.5°	32.6	32.6	34.5	39.9	45.3	49.0	54.4	58.0	63.5	72.5	70.7
75°	14.5	14.5	18.1	23.6	29.0	34.5	39.9	45.3	49.0	54.4	56.2
77.5°	3.6	5.4	9.1	16.3	21.8	29.0	36.3	41.7	45.3	45.3	43.5
80°	1.8	1.8	7.3	12.7	23.6	30.8	39.9	43.5	49.0	45.3	39.9
82.5°	1.8	1.8	7.3	12.7	21.8	30.8	41.7	47.1	50.8	45.3	38.1
85°	0.0	1.8	5.4	10.9	18.1	21.8	18.1	12.7	7.3	7.3	5.4
87.5°	0.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)