

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: P382967

Luminaire Tested: **GLEON-SA3B-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA3B-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16613.2 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

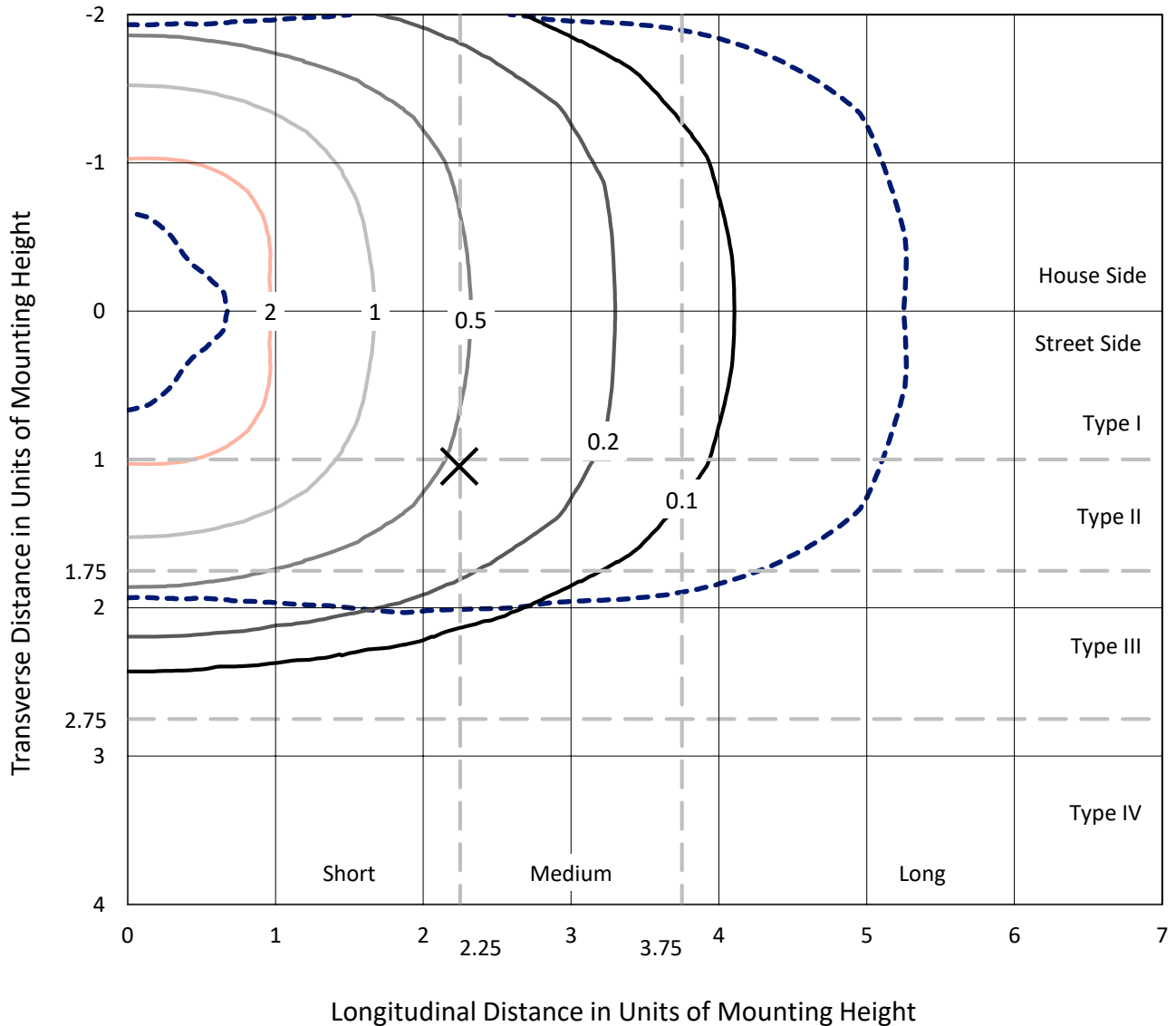
Input Watts (W): 124
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

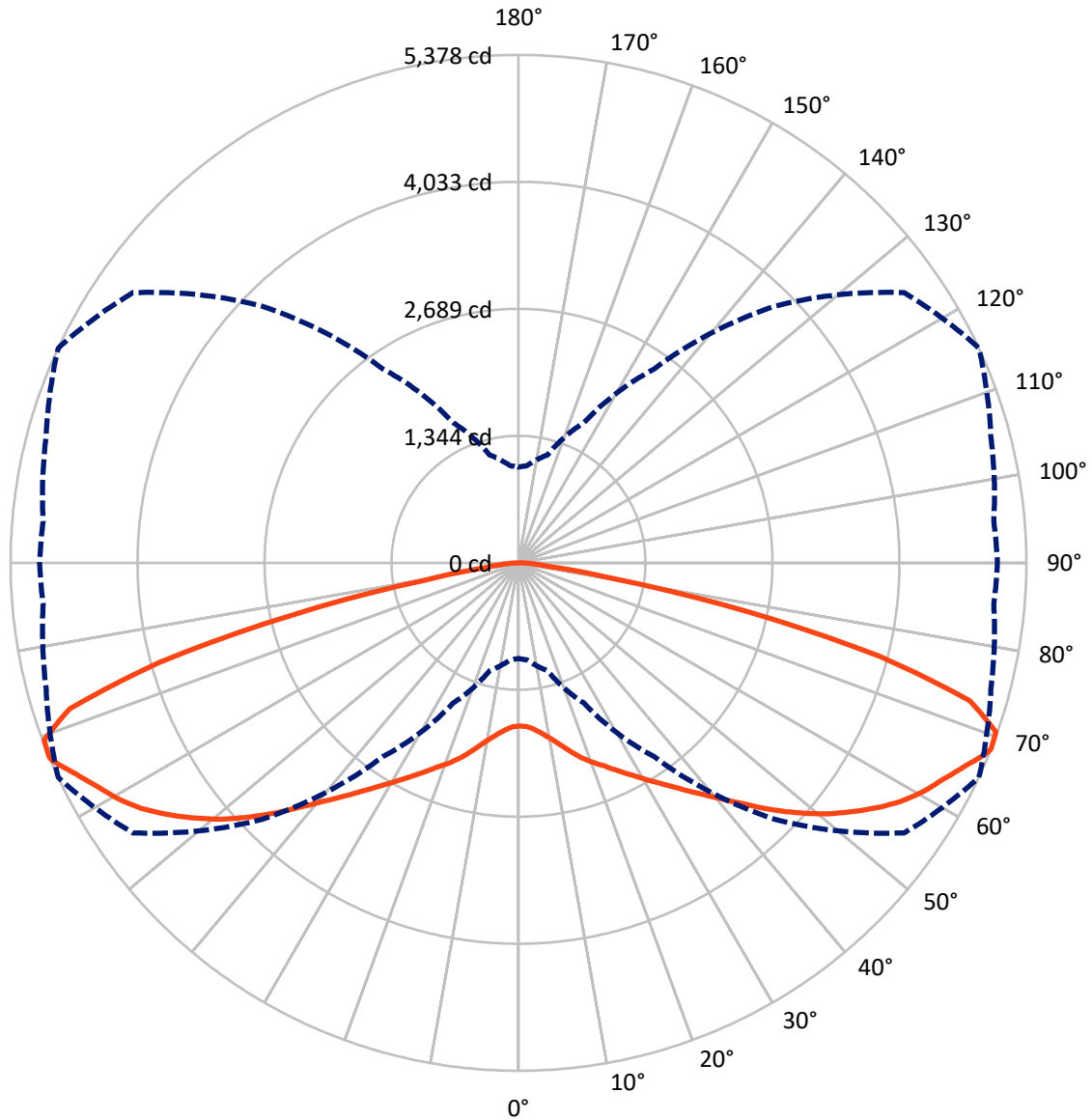
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8306.6	0.0	8306.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8306.6	0.0	8306.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16613.2	0.0	16613.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	1.0
10°-20°	566.3	3.4
20°-30°	1104.1	6.6
30°-40°	1854.9	11.2
40°-50°	2922.6	17.6
50°-60°	3908.5	23.5
60°-70°	3799.5	22.9
70°-80°	2077.0	12.5
80°-90°	211.2	1.3
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°	16613.2	100.0
0°-180°	16613.2	100.0

Coefficient of Utilization

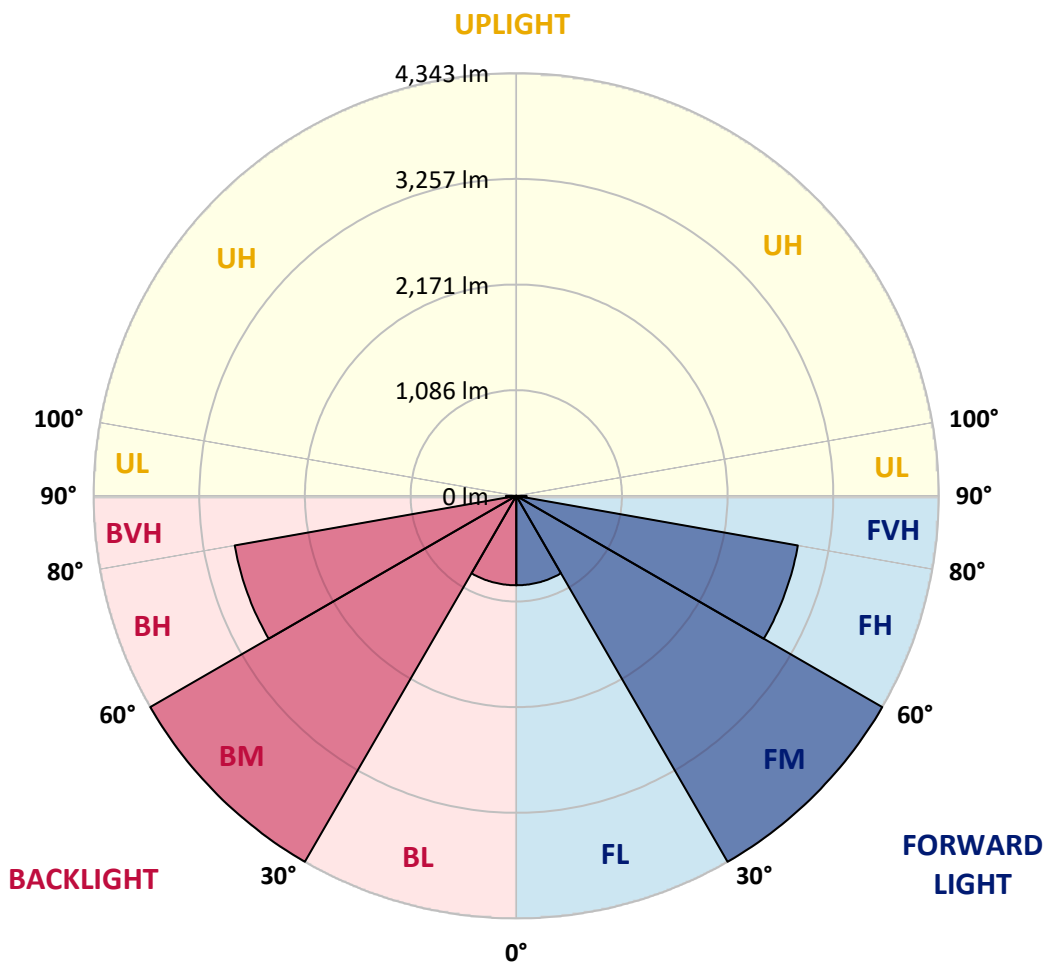


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	919.8	5.5			
FM (30°-60°)	4343.0	26.1			
FH (60°-80°)	2938.3	17.7			G2/5000
FVH (80°-90°)	105.6	0.6			G2/225
BL (0°-30°)	919.8	5.5	B2/1000		
BM (30°-60°)	4343.0	26.1	B3/5000		
BH (60°-80°)	2938.3	17.7	B4/5000		G4/5000
BVH (80°-90°)	105.6	0.6			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4
2.5°	1715.2	1715.7	1718.4	1721.8	1724.6	1731.8	1733.5	1736.3	1737.4	1740.2	1740.2
5°	1700.1	1701.2	1707.9	1716.8	1726.8	1744.7	1757.5	1772.0	1779.2	1787.0	1786.4
7.5°	1698.4	1701.2	1710.7	1725.1	1741.9	1771.4	1798.2	1827.1	1846.6	1864.4	1863.3
10°	1715.7	1720.1	1733.5	1755.2	1780.3	1817.1	1856.6	1895.6	1929.6	1956.9	1958.0
12.5°	1741.9	1747.4	1768.6	1801.4	1839.3	1886.7	1933.5	1977.5	2024.3	2065.0	2068.3
15°	1776.4	1783.6	1815.4	1864.4	1922.3	1978.6	2028.7	2073.9	2127.9	2184.2	2189.7
17.5°	1827.7	1837.7	1879.5	1945.7	2022.0	2083.9	2136.2	2170.2	2215.3	2273.3	2283.9
20°	1905.7	1918.4	1971.3	2050.4	2143.5	2208.1	2248.2	2255.5	2277.7	2329.5	2341.8
22.5°	2007.0	2018.2	2077.2	2171.3	2275.5	2345.7	2366.9	2337.9	2335.7	2377.5	2389.1
25°	2120.1	2130.2	2198.6	2304.5	2416.4	2493.8	2493.3	2437.0	2398.1	2430.4	2442.6
27.5°	2247.1	2262.7	2328.4	2439.8	2559.6	2635.9	2631.4	2544.5	2470.5	2478.8	2489.4
30°	2393.1	2410.3	2474.4	2587.5	2707.3	2781.9	2776.3	2661.5	2550.1	2527.8	2535.7
32.5°	2574.1	2594.7	2655.4	2766.8	2872.7	2940.1	2923.9	2788.6	2646.0	2597.5	2604.7
35°	2791.8	2804.1	2868.2	2978.0	3063.8	3110.0	3076.0	2935.6	2767.3	2708.8	2708.8
37.5°	3012.4	3021.9	3093.8	3200.2	3283.2	3307.7	3241.4	3096.6	2926.2	2843.2	2844.9
40°	3224.2	3249.8	3330.6	3439.7	3521.6	3528.3	3440.3	3280.4	3102.7	3016.9	3027.0
42.5°	3445.3	3470.4	3566.7	3690.4	3762.8	3774.0	3670.9	3486.5	3302.1	3232.5	3243.6
45°	3642.4	3662.6	3774.0	3917.6	4007.9	4036.9	3914.9	3722.7	3517.7	3449.8	3452.5
47.5°	3780.0	3806.3	3928.8	4098.2	4229.6	4274.2	4154.4	3952.7	3729.9	3647.5	3654.7
50°	3904.9	3918.7	4043.0	4227.9	4395.0	4487.0	4384.5	4180.0	3944.5	3857.0	3864.7
52.5°	3974.4	3992.3	4112.6	4305.3	4503.1	4651.3	4588.9	4384.5	4151.6	4066.4	4075.9
55°	3926.0	3939.4	4083.6	4322.7	4570.0	4752.7	4762.2	4584.4	4355.0	4280.3	4307.0
57.5°	3705.4	3722.2	3898.2	4211.2	4578.3	4821.2	4892.5	4769.9	4544.9	4484.2	4499.7
60°	3360.7	3371.2	3559.0	3911.0	4415.6	4849.6	4975.5	4921.5	4731.0	4670.2	4691.4
62.5°	2746.2	2761.9	2986.3	3458.1	4072.0	4765.5	5055.7	5046.8	4904.2	4848.5	4867.4
65°	1877.3	1904.5	2153.0	2749.6	3542.2	4508.1	5128.6	5192.7	5057.4	4987.2	5012.3
67.5°	1133.6	1153.6	1333.5	1815.4	2710.5	3989.0	5053.5	5358.7	5165.4	5052.3	5072.9
68°	1013.2	1031.6	1182.0	1638.2	2507.3	3842.4	4985.0	5377.6	5177.2	5051.2	5069.7
70°	612.2	624.4	725.3	1012.7	1671.7	3048.1	4517.6	5362.1	5251.8	5066.9	5077.4
72.5°	398.8	402.7	419.5	519.7	853.9	1704.5	3390.7	4996.6	5363.8	5157.6	5155.9
75°	331.4	329.2	330.9	342.6	421.2	747.6	1981.4	3947.2	5113.1	5014.5	4979.4
77.5°	280.2	278.5	278.0	278.5	281.9	361.0	860.1	2458.8	3912.7	4435.8	4467.0
80°	226.7	224.5	231.8	228.4	218.4	224.5	360.4	1022.7	1844.4	1984.2	1859.4
82.5°	164.9	156.5	187.7	178.8	170.5	158.2	198.9	330.3	440.1	301.9	212.2
85°	127.0	118.1	142.6	137.0	117.0	80.8	118.1	161.5	178.3	101.9	80.2
87.5°	51.8	54.6	103.0	81.3	68.6	39.0	48.4	64.6	86.9	43.4	33.4
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)