

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: P382935

Luminaire Tested: **GLEON-SA3A-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA3A-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13671.4 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

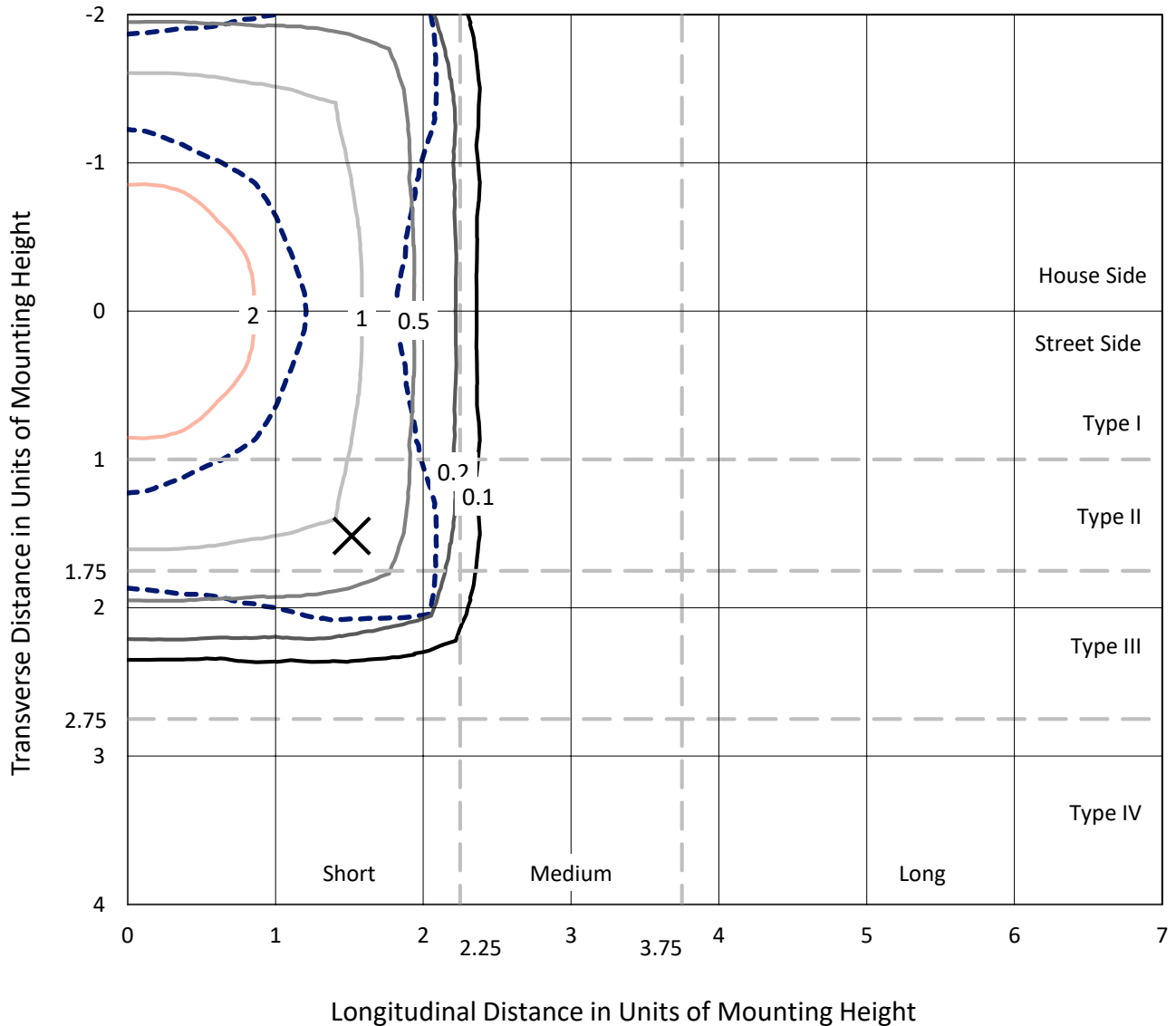
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

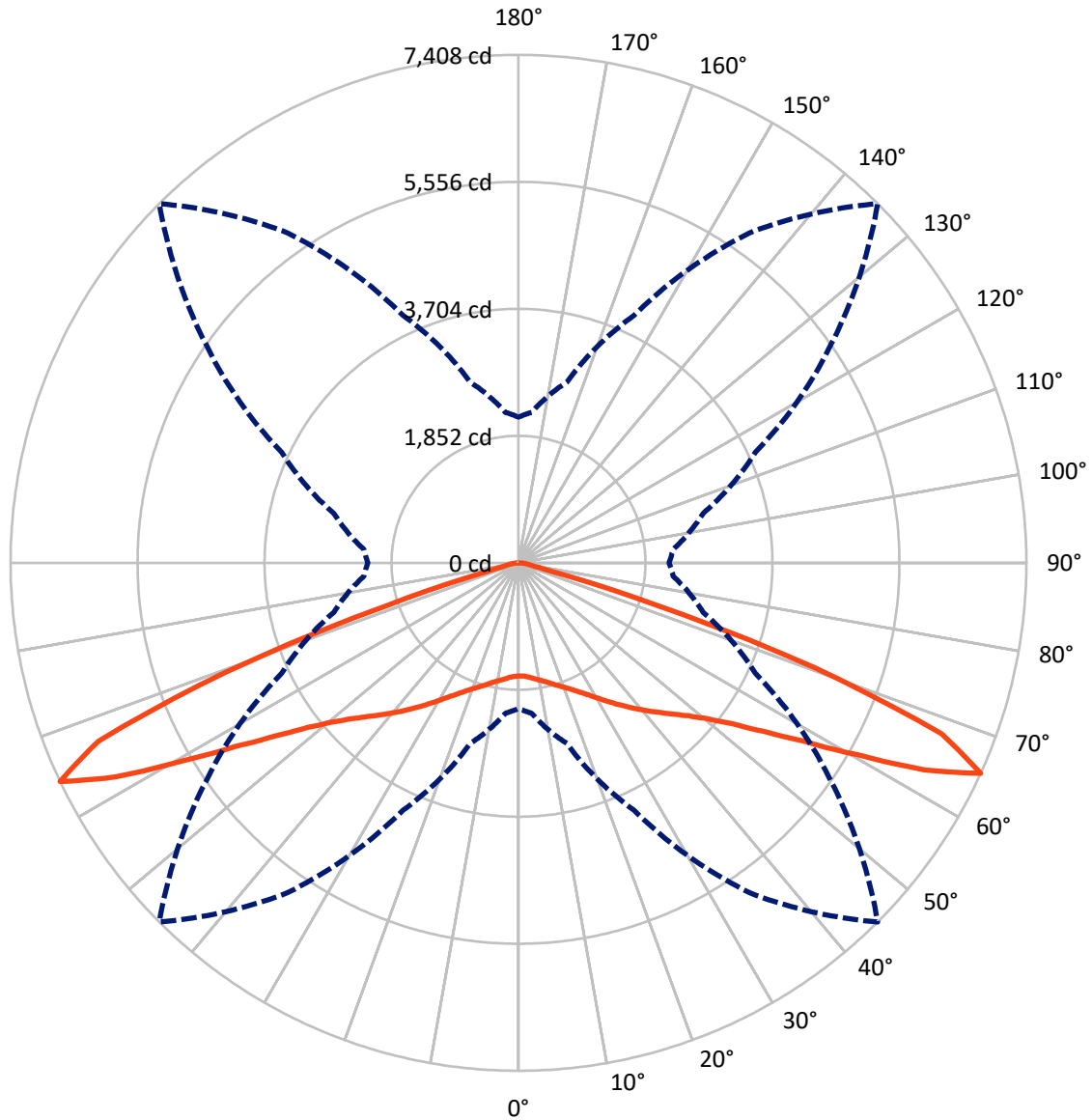
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6835.7	0.0	6835.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6835.7	0.0	6835.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	13671.4	0.0	13671.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.0	1.2
10°-20°	520.7	3.8
20°-30°	976.9	7.1
30°-40°	1615.5	11.8
40°-50°	2502.2	18.3
50°-60°	3837.7	28.1
60°-70°	3581.0	26.2
70°-80°	416.8	3.0
80°-90°	58.6	0.4
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°	13671.4	100.0
0°-180°	13671.4	100.0

Coefficient of Utilization



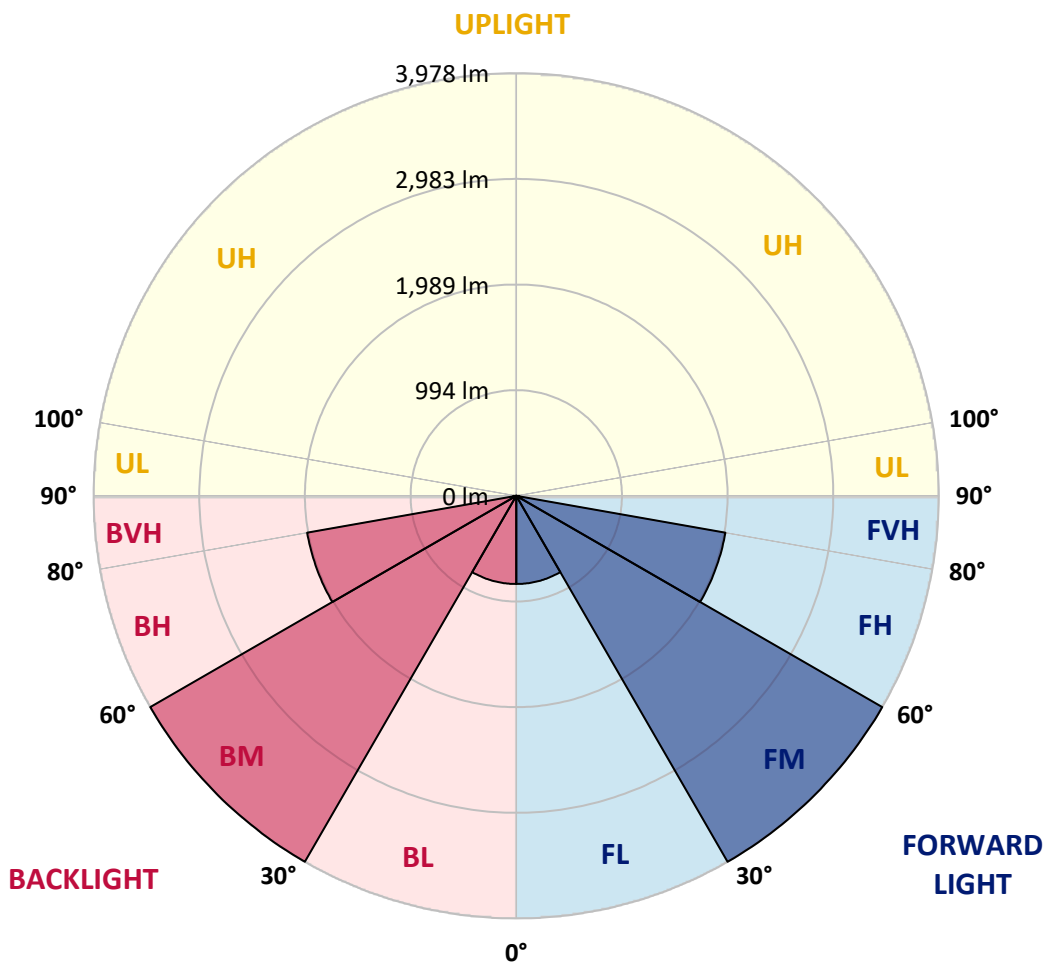
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	829.8	6.1			
FM (30°-60°)	3977.8	29.1			
FH (60°-80°)	1998.9	14.6			G2/5000
FVH (80°-90°)	29.3	0.2			G1/100
BL (0°-30°)	829.8	6.1	B2/1000		
BM (30°-60°)	3977.8	29.1	B3/5000		
BH (60°-80°)	1998.9	14.6	B3/2500		G2/5000
BVH (80°-90°)	29.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0
2.5°	1656.5	1655.5	1656.5	1656.9	1654.1	1655.5	1655.1	1657.3	1658.2	1657.3	1657.3
5°	1675.5	1674.2	1675.9	1678.2	1674.5	1675.5	1674.2	1676.9	1677.8	1675.9	1677.3
7.5°	1701.8	1702.3	1704.1	1708.2	1705.9	1707.7	1705.0	1705.5	1705.0	1702.3	1702.7
10°	1730.4	1730.9	1734.1	1739.5	1740.4	1740.4	1738.5	1737.2	1735.4	1733.6	1734.1
12.5°	1764.9	1767.1	1769.5	1776.3	1776.3	1779.9	1779.0	1775.3	1772.2	1769.5	1769.5
15°	1811.7	1811.2	1813.9	1820.7	1823.9	1829.8	1829.8	1824.8	1820.7	1818.0	1817.1
17.5°	1860.7	1862.0	1863.8	1872.0	1877.0	1883.8	1884.7	1880.6	1877.9	1874.3	1872.0
20°	1917.9	1920.1	1927.4	1930.5	1935.1	1941.4	1943.7	1942.8	1940.0	1938.3	1938.7
22.5°	1984.6	1990.4	1995.0	1999.6	2005.0	2009.5	2011.8	2014.9	2012.2	2010.8	2010.0
25°	2065.3	2069.4	2078.5	2086.7	2090.3	2091.7	2094.4	2098.9	2098.5	2095.2	2095.2
27.5°	2157.0	2164.7	2176.1	2187.8	2187.8	2183.4	2192.4	2200.1	2197.4	2193.3	2187.8
30°	2268.2	2275.5	2288.6	2304.9	2296.8	2293.6	2305.9	2319.9	2315.8	2309.0	2308.1
32.5°	2388.0	2394.8	2412.1	2429.8	2419.3	2414.8	2427.9	2448.4	2441.1	2427.5	2419.3
35°	2517.8	2524.6	2549.1	2570.4	2552.7	2545.0	2555.9	2578.2	2565.5	2540.1	2533.7
37.5°	2658.9	2662.5	2694.3	2716.1	2703.8	2683.4	2697.0	2713.4	2702.5	2671.7	2659.4
40°	2805.5	2818.7	2855.5	2880.8	2859.5	2827.2	2850.0	2872.7	2856.3	2816.8	2795.9
42.5°	2976.6	2986.5	3035.6	3058.3	3023.8	2978.4	3009.3	3040.1	3023.8	2985.7	2967.5
45°	3154.5	3170.0	3228.5	3251.2	3201.3	3143.6	3181.2	3235.3	3234.0	3179.0	3159.9
47.5°	3348.3	3363.7	3433.6	3463.6	3409.6	3332.4	3385.5	3461.7	3456.3	3396.0	3380.5
50°	3572.0	3588.3	3675.5	3713.1	3662.8	3573.0	3652.8	3719.9	3710.0	3635.6	3636.9
52.5°	3852.9	3852.0	3960.5	4025.9	3974.1	3894.7	3968.2	4033.5	3992.2	3889.2	3886.0
55°	4098.9	4113.9	4248.2	4372.1	4369.0	4338.5	4368.0	4370.7	4252.7	4115.7	4098.9
57.5°	4260.4	4289.0	4478.3	4702.5	4870.4	4910.7	4853.5	4680.3	4403.9	4184.7	4157.9
60°	4161.0	4204.6	4501.9	4958.9	5453.6	5690.9	5368.2	4830.4	4286.3	3980.9	3944.6
62.5°	3490.3	3563.8	3999.0	4835.0	5955.5	6649.4	5741.2	4589.5	3818.9	3398.2	3336.1
65°	2125.7	2203.3	2727.9	3979.6	5874.2	7408.1	5571.1	3809.4	2787.4	2264.1	2197.0
67.5°	708.4	731.1	1040.2	2199.7	4616.7	6656.2	4624.4	2280.4	1213.1	804.2	780.5
70°	277.3	279.6	330.0	637.6	2180.1	4571.8	2405.7	648.9	344.9	272.8	278.6
72.5°	203.7	204.7	218.7	266.4	568.2	2014.0	588.6	267.7	212.9	191.1	191.1
75°	163.9	163.9	173.8	194.2	254.6	462.0	258.2	192.0	166.6	152.5	150.6
77.5°	129.3	132.1	139.7	153.0	172.4	222.4	178.8	152.0	134.3	121.2	118.5
80°	96.2	98.9	111.6	118.0	123.9	154.3	132.1	118.9	106.2	90.7	88.0
82.5°	63.1	65.8	81.7	85.3	83.9	100.8	89.0	87.6	78.1	58.5	55.8
85°	41.3	42.2	54.5	56.7	52.2	45.8	56.7	59.9	54.5	38.1	36.8
87.5°	19.5	19.5	27.7	25.9	23.6	19.1	25.9	30.4	30.8	18.6	18.2
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)