

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: P382824

Luminaire Tested: **GLEON-SA2A-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA2A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9355.5 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

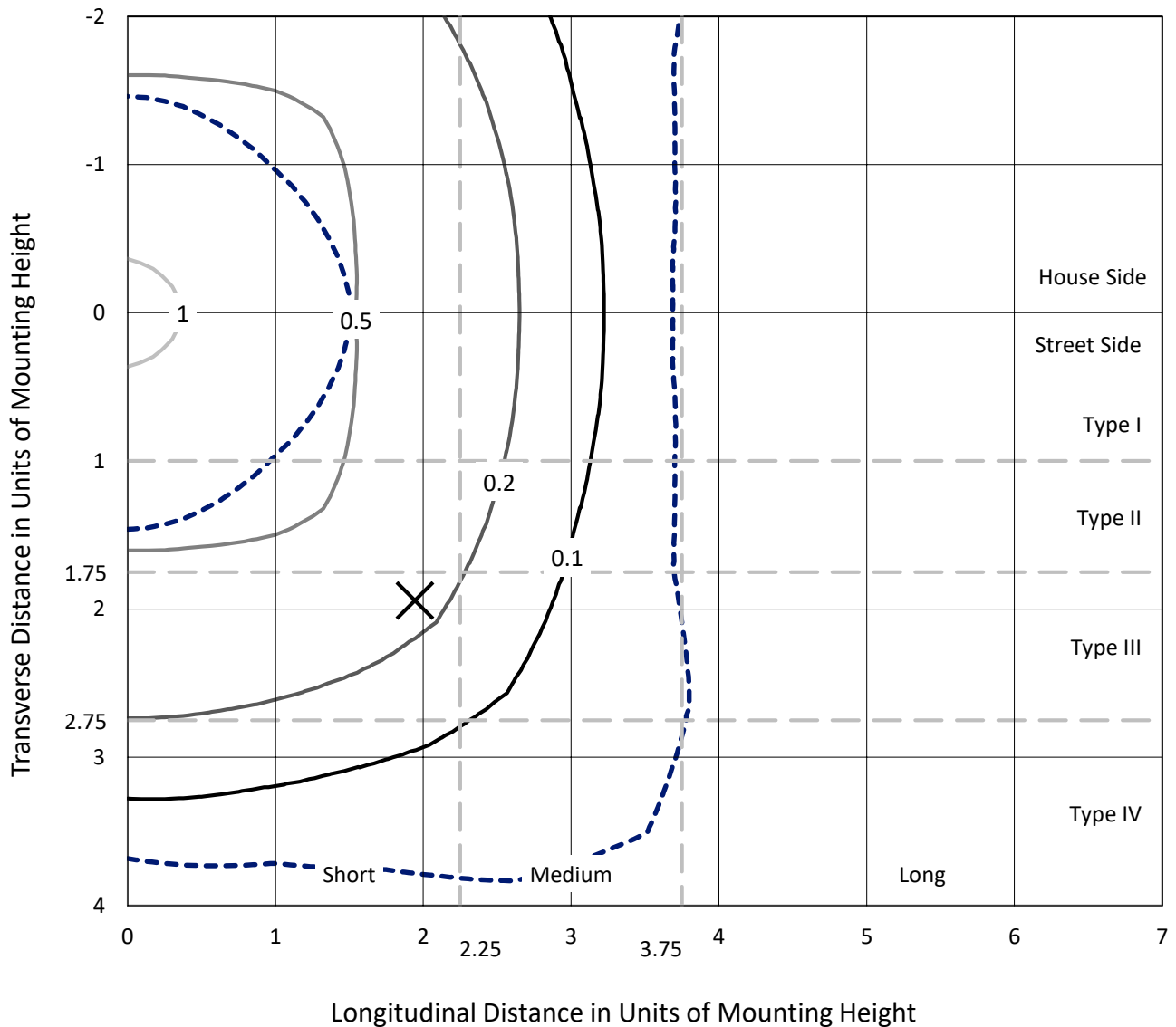
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

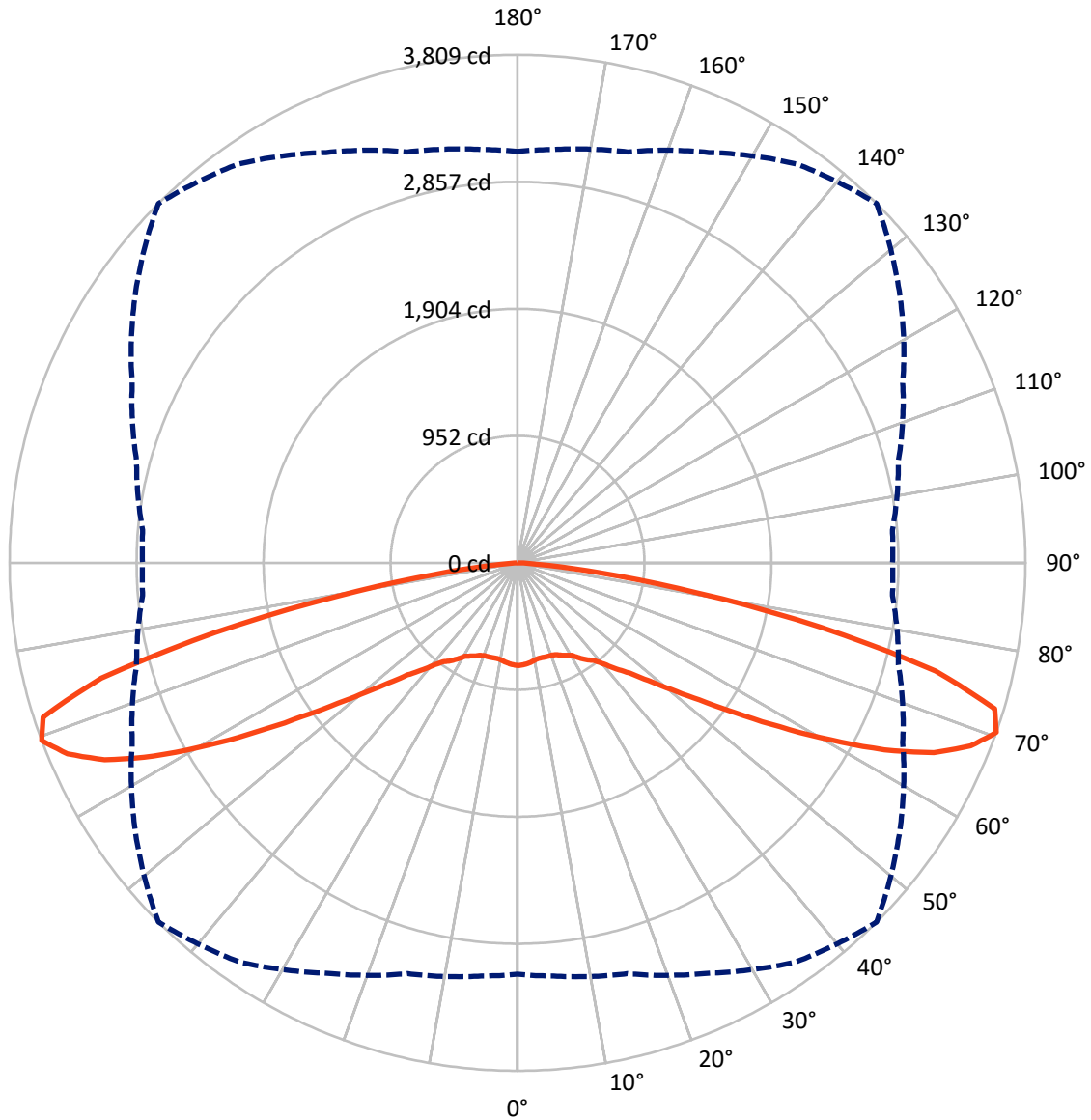
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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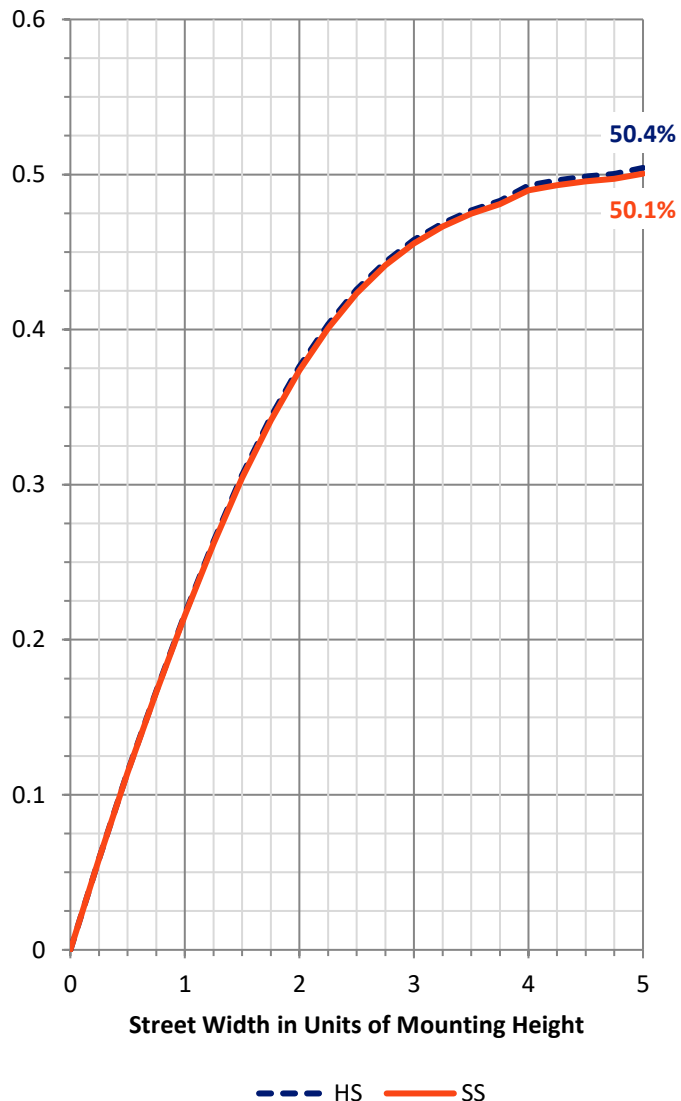
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4677.8	0.0	4677.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4677.8	0.0	4677.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9355.5	0.0	9355.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	0.8
10°-20°	209.9	2.2
20°-30°	357.9	3.8
30°-40°	559.2	6.0
40°-50°	947.8	10.1
50°-60°	1728.3	18.5
60°-70°	2975.4	31.8
70°-80°	2332.2	24.9
80°-90°	172.9	1.8
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°	9355.5	100.0
0°-180°	9355.5	100.0

Coefficient of Utilization



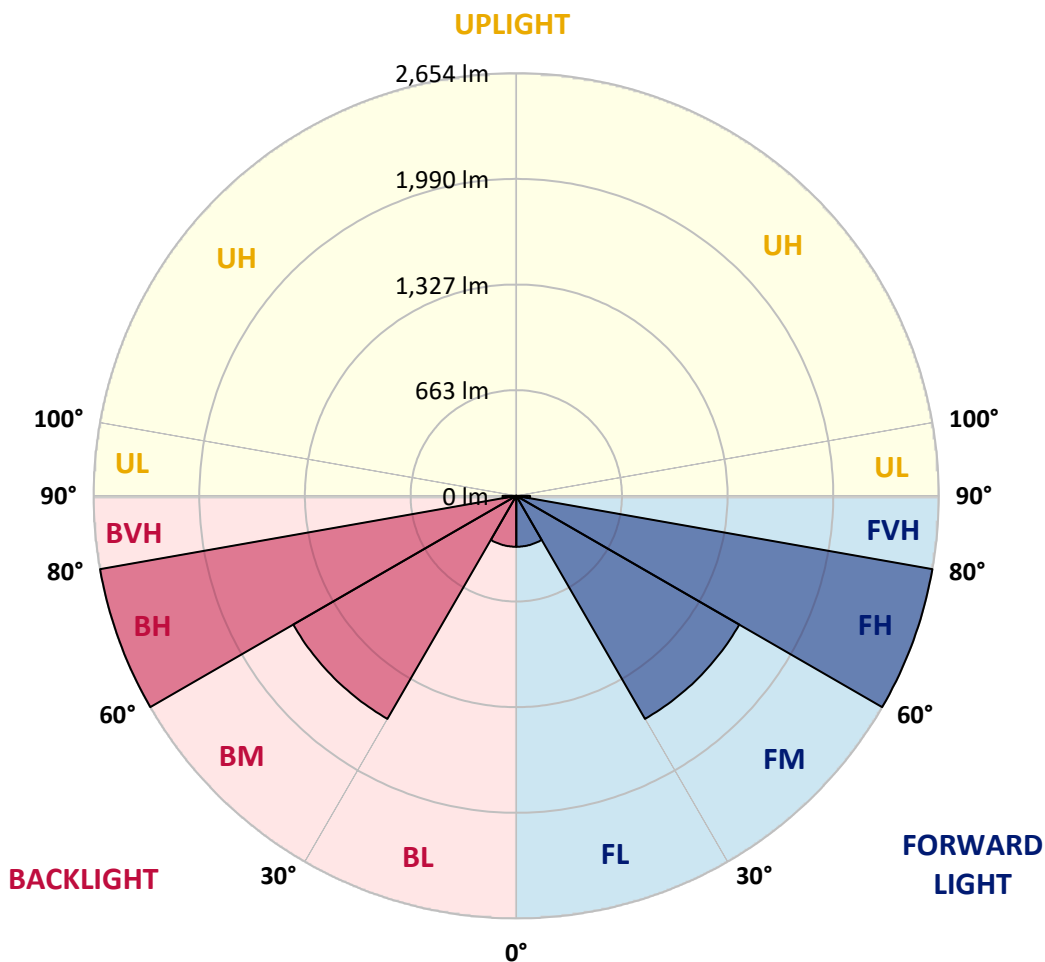
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.8	3.4			
FM (30°-60°)	1617.6	17.3			
FH (60°-80°)	2653.8	28.4			G2/5000
FVH (80°-90°)	86.5	0.9			G1/100
BL (0°-30°)	319.8	3.4	B1/500		
BM (30°-60°)	1617.6	17.3	B2/2500		
BH (60°-80°)	2653.8	28.4	B4/5000		G2/5000
BVH (80°-90°)	86.5	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9	769.9
2.5°	766.6	767.5	766.6	767.2	765.6	766.3	766.3	766.3	765.9	766.3	765.6
5°	759.8	760.3	759.1	759.8	758.8	759.8	760.0	759.8	759.1	759.4	758.2
7.5°	749.5	750.2	749.2	750.2	748.9	750.5	750.2	749.2	748.3	748.3	747.1
10°	743.9	744.3	741.8	740.9	738.1	738.7	739.6	740.6	741.5	743.4	743.0
12.5°	744.3	744.3	740.6	736.6	732.5	733.4	735.0	738.4	742.1	745.5	745.8
15°	747.4	747.1	741.5	735.0	732.2	735.0	735.9	738.1	743.9	749.8	750.2
17.5°	749.5	749.5	740.9	733.4	733.1	737.5	737.1	738.1	744.6	753.2	753.5
20°	753.5	753.5	742.4	734.3	734.3	739.0	739.4	740.9	747.4	757.0	758.5
22.5°	762.6	762.8	751.1	744.6	745.2	748.0	748.9	751.4	757.3	767.8	769.6
25°	775.2	775.9	763.8	760.0	762.2	767.5	766.8	768.7	775.2	785.5	787.3
27.5°	792.8	791.3	780.2	778.6	780.8	784.5	784.2	784.5	789.8	799.1	801.2
30°	815.8	815.1	807.1	808.0	807.1	805.9	806.2	808.7	811.5	818.8	821.1
32.5°	838.0	838.7	833.7	838.4	845.2	849.9	842.7	835.9	832.8	836.8	838.7
35°	878.3	879.8	872.1	868.9	878.3	891.9	871.7	860.7	866.8	872.1	873.6
37.5°	946.6	947.6	934.6	922.2	915.4	928.4	908.3	909.2	930.9	940.8	940.5
40°	1024.6	1025.0	1016.3	1005.5	993.7	996.8	988.7	991.3	1005.5	1014.5	1016.9
42.5°	1117.5	1116.6	1103.0	1087.5	1084.0	1087.2	1073.5	1071.7	1088.1	1104.2	1104.5
45°	1237.8	1235.7	1218.1	1201.0	1184.6	1177.8	1174.4	1183.4	1206.0	1220.9	1221.2
47.5°	1367.5	1361.6	1352.4	1338.7	1324.6	1317.8	1312.2	1316.5	1332.9	1338.7	1339.4
50°	1500.9	1502.2	1504.0	1498.8	1493.5	1491.3	1476.8	1468.4	1473.4	1462.5	1461.0
52.5°	1659.1	1661.5	1679.5	1694.7	1703.6	1708.3	1680.7	1651.9	1635.9	1614.8	1608.6
55°	1845.7	1849.7	1876.0	1918.1	1961.5	1984.3	1934.5	1880.6	1830.9	1791.6	1778.8
57.5°	2053.7	2060.8	2097.0	2177.8	2266.5	2320.7	2236.6	2138.7	2042.5	1985.9	1976.0
60°	2297.5	2304.3	2354.5	2470.2	2614.1	2695.5	2568.0	2408.0	2288.3	2234.0	2215.8
62.5°	2587.7	2588.4	2650.0	2785.2	2975.3	3088.5	2915.8	2702.0	2578.5	2513.2	2495.5
65°	2900.0	2901.6	2965.3	3111.4	3307.9	3431.1	3236.1	3013.3	2862.3	2766.0	2752.4
67.5°	3120.7	3127.2	3194.4	3370.2	3553.9	3665.1	3463.3	3211.4	3036.8	2922.0	2910.5
70°	3085.4	3110.8	3189.7	3394.9	3650.5	3808.9	3500.1	3187.8	2957.6	2822.0	2812.4
72.5°	2690.9	2739.4	2844.7	3113.9	3522.7	3740.9	3299.3	2855.2	2594.6	2479.1	2461.8
75°	1832.4	1911.3	2070.1	2458.4	3009.6	3238.9	2777.5	2276.4	2031.3	1871.7	1859.9
77.5°	817.0	834.9	1036.1	1483.3	2076.9	2326.0	2018.0	1489.2	1117.8	891.6	843.9
80°	227.8	230.6	307.6	552.4	1039.5	1366.6	1116.0	580.3	326.2	229.9	216.6
82.5°	72.4	78.6	95.9	143.3	349.4	623.6	358.6	154.7	110.2	87.8	79.2
85°	35.3	34.9	48.6	58.2	89.1	138.1	95.0	71.8	62.8	41.7	37.7
87.5°	14.8	15.2	22.6	20.4	26.0	22.3	30.6	32.1	33.7	18.5	16.1
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)