

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: P382796

Luminaire Tested: **GLEON-SA1D-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382796
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-SA1D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7970.3 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

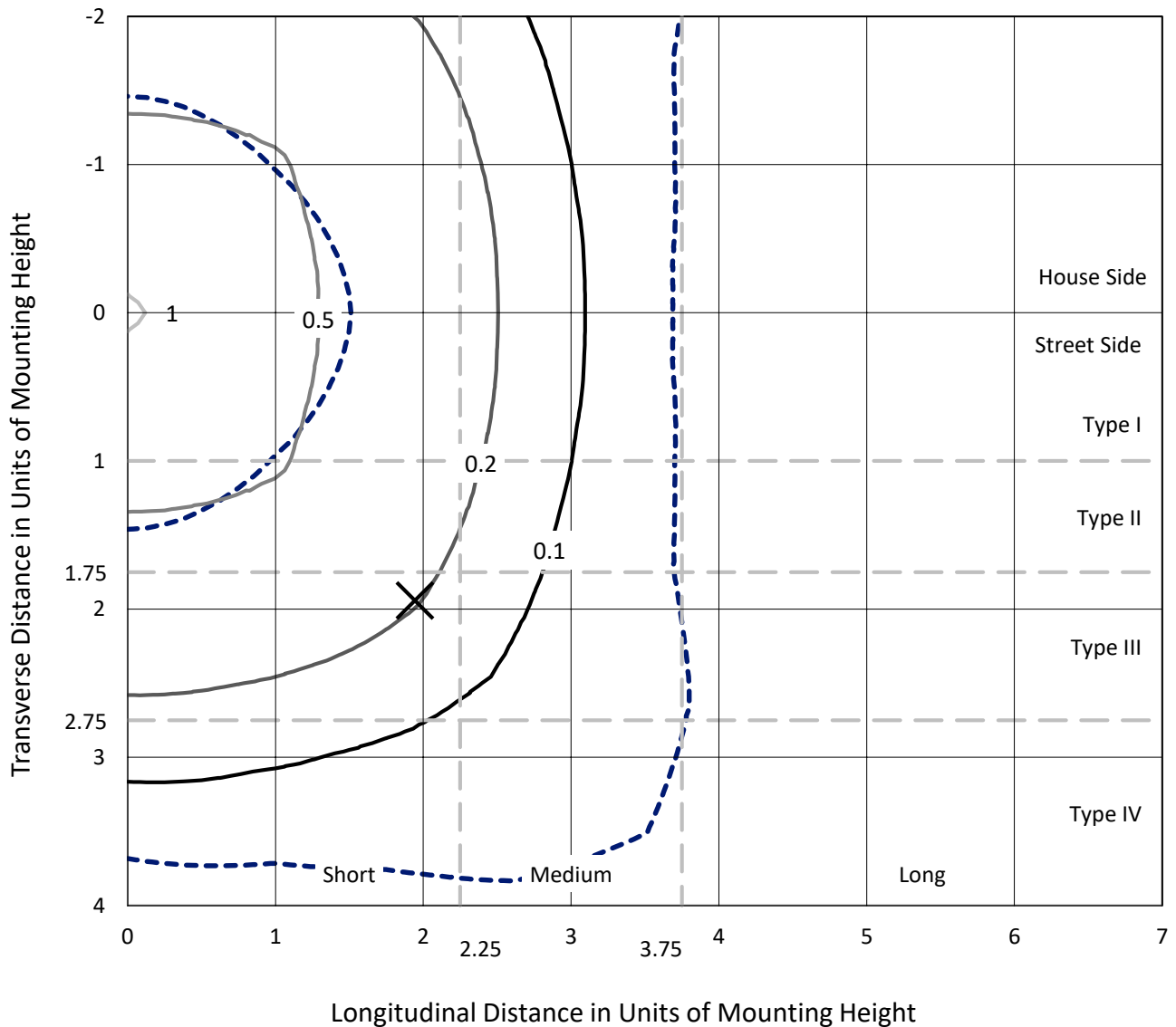
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

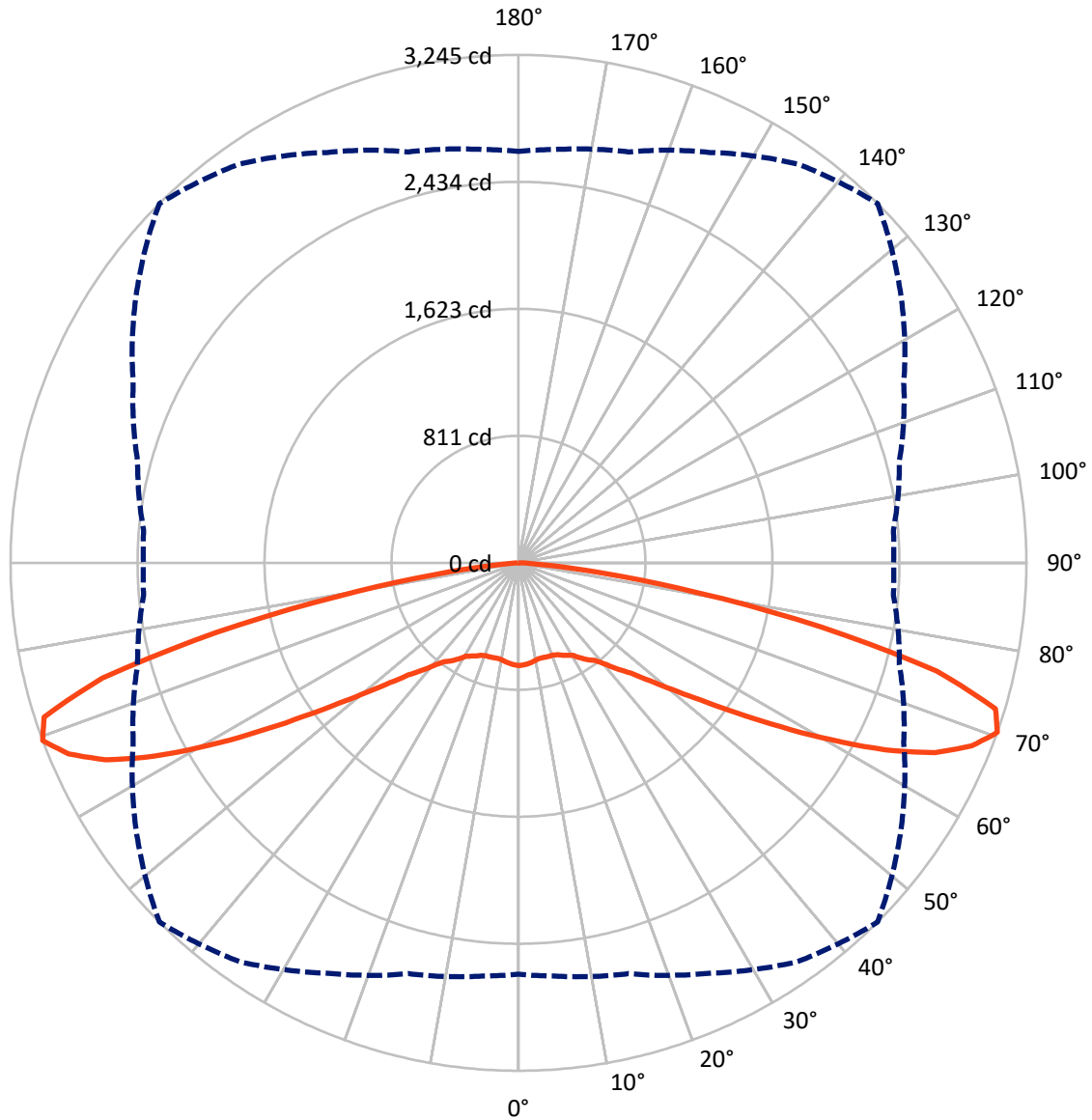
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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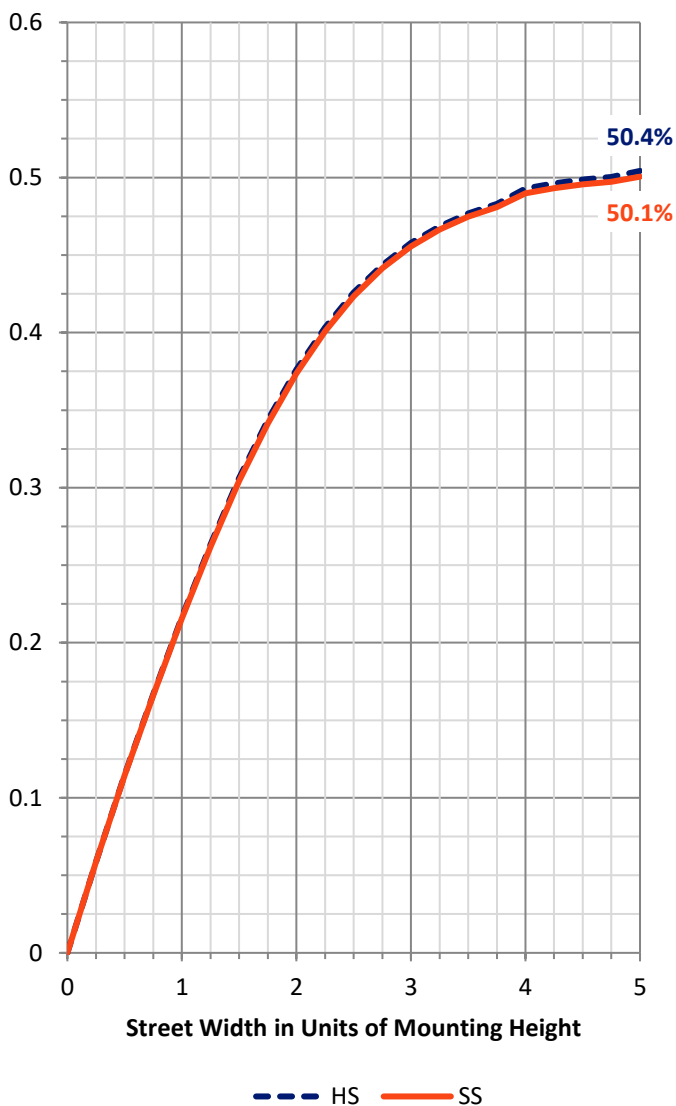
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3985.2	0.0	3985.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3985.2	0.0	3985.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7970.3	0.0	7970.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	0.8
10°-20°	178.8	2.2
20°-30°	304.9	3.8
30°-40°	476.4	6.0
40°-50°	807.4	10.1
50°-60°	1472.4	18.5
60°-70°	2534.8	31.8
70°-80°	1986.9	24.9
80°-90°	147.3	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°	7970.3	100.0
0°-180°	7970.3	100.0

Coefficient of Utilization



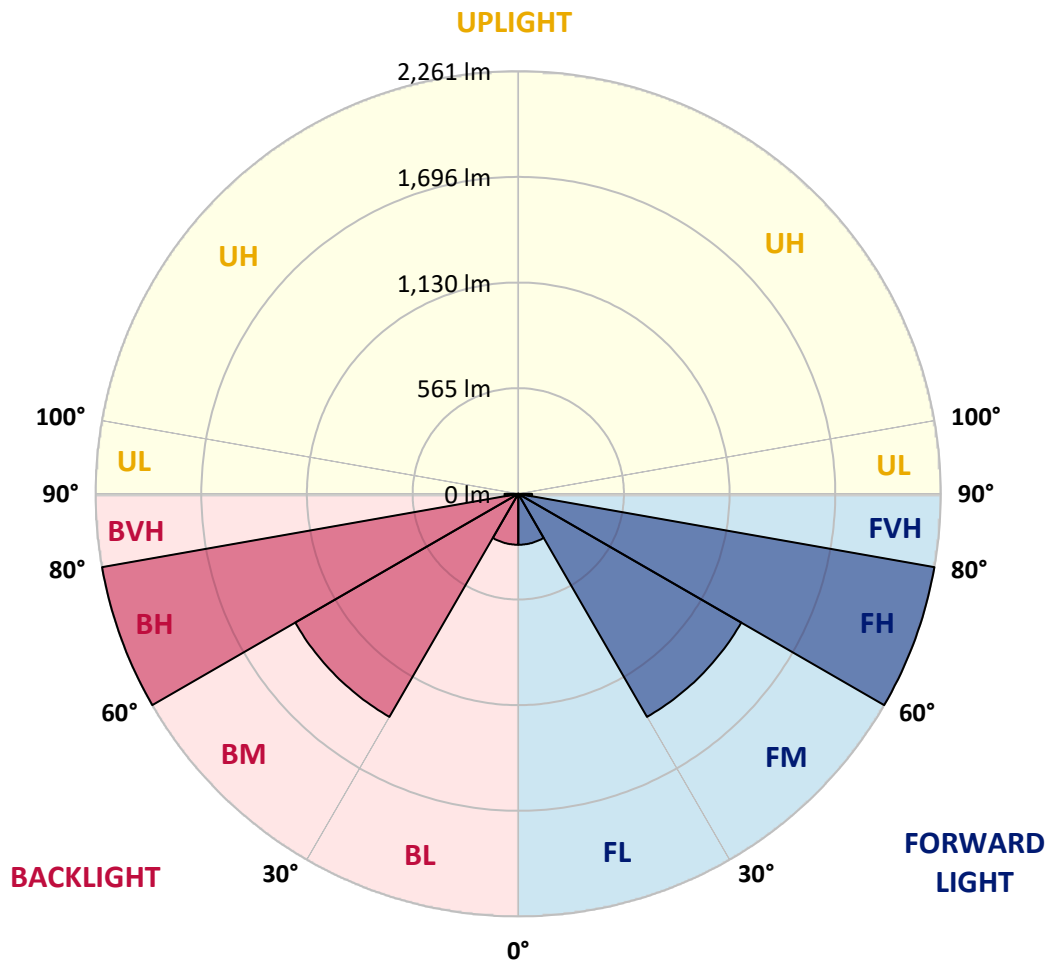
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.5	3.4			
FM (30°-60°)	1378.1	17.3			
FH (60°-80°)	2260.9	28.4			G2/5000
FVH (80°-90°)	73.7	0.9			G1/100
BL (0°-30°)	272.5	3.4	B1/500		
BM (30°-60°)	1378.1	17.3	B2/2500		
BH (60°-80°)	2260.9	28.4	B3/2500		G2/5000
BVH (80°-90°)	73.7	0.9			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°	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0
2.5°	653.0	653.9	653.0	653.6	652.3	652.8	652.8	652.8	652.5	652.8	652.3
5°	647.2	647.8	646.8	647.2	646.5	647.2	647.5	647.2	646.8	647.0	645.9
7.5°	638.6	639.0	638.3	639.0	638.0	639.3	639.0	638.3	637.5	637.5	636.4
10°	633.8	634.1	632.0	631.2	628.8	629.4	630.1	630.9	631.7	633.3	633.0
12.5°	634.1	634.1	630.9	627.5	624.0	624.9	626.2	629.1	632.2	635.1	635.4
15°	636.7	636.4	631.7	626.2	623.8	626.2	626.9	628.8	633.8	638.9	639.0
17.5°	638.6	638.6	631.2	624.9	624.6	628.2	628.0	628.8	634.4	641.7	642.0
20°	642.0	642.0	632.5	625.6	625.6	629.6	629.8	631.2	636.7	644.9	646.2
22.5°	649.7	649.9	639.9	634.4	634.8	637.3	638.0	640.2	645.2	654.1	655.7
25°	660.5	660.9	650.7	647.5	649.4	653.9	653.3	654.9	660.5	669.1	670.7
27.5°	675.5	674.2	664.7	663.4	665.2	668.4	668.1	668.4	672.9	680.8	682.5
30°	694.9	694.5	687.6	688.4	687.6	686.6	686.8	688.9	691.3	697.6	699.5
32.5°	713.9	714.5	710.3	714.2	720.0	724.0	717.9	712.1	709.5	712.9	714.5
35°	748.2	749.5	743.0	740.3	748.2	759.9	742.7	733.2	738.4	743.0	744.3
37.5°	806.5	807.3	796.2	785.7	779.9	791.0	773.8	774.6	793.0	801.5	801.2
40°	873.0	873.2	865.8	856.6	846.6	849.2	842.4	844.4	856.6	864.2	866.3
42.5°	952.0	951.2	939.7	926.4	923.5	926.2	914.6	913.0	927.0	940.7	941.0
45°	1054.6	1052.7	1037.7	1023.2	1009.2	1003.5	1000.6	1008.2	1027.4	1040.1	1040.4
47.5°	1165.1	1160.1	1152.1	1140.6	1128.4	1122.6	1117.9	1121.6	1135.6	1140.6	1141.1
50°	1278.7	1279.8	1281.3	1276.9	1272.4	1270.5	1258.1	1251.0	1255.3	1246.0	1244.6
52.5°	1413.4	1415.5	1430.9	1443.7	1451.4	1455.4	1431.9	1407.4	1393.7	1375.7	1370.5
55°	1572.4	1575.8	1598.3	1634.1	1671.0	1690.5	1648.1	1602.2	1559.8	1526.2	1515.4
57.5°	1749.5	1755.6	1786.5	1855.3	1931.0	1977.1	1905.4	1822.1	1740.0	1691.9	1683.4
60°	1957.4	1963.1	2005.8	2104.5	2227.1	2296.4	2187.7	2051.5	1949.4	1903.2	1887.7
62.5°	2204.6	2205.2	2257.6	2372.8	2534.7	2631.2	2484.1	2301.9	2196.7	2141.1	2126.1
65°	2470.7	2472.0	2526.3	2650.7	2818.1	2923.1	2757.0	2567.2	2438.5	2356.5	2344.9
67.5°	2658.6	2664.1	2721.4	2871.1	3027.7	3122.4	2950.5	2735.9	2587.2	2489.4	2479.6
70°	2628.5	2650.2	2717.4	2892.3	3110.0	3245.0	2981.9	2715.8	2519.6	2404.2	2396.0
72.5°	2292.4	2333.8	2423.4	2652.9	3001.1	3187.0	2810.8	2432.5	2210.5	2112.1	2097.3
75°	1561.1	1628.3	1763.5	2094.4	2564.0	2759.3	2366.2	1939.4	1730.6	1594.5	1584.6
77.5°	696.1	711.3	882.7	1263.6	1769.4	1981.6	1719.3	1268.7	952.3	759.6	719.0
80°	194.0	196.5	262.0	470.6	885.6	1164.2	950.7	494.4	277.9	195.9	184.5
82.5°	61.7	67.0	81.7	122.0	297.6	531.3	305.5	131.8	93.9	74.9	67.5
85°	30.1	29.8	41.4	49.6	75.9	117.6	81.0	61.2	53.6	35.6	32.1
87.5°	12.7	12.9	19.3	17.4	22.2	19.0	26.1	27.4	28.7	15.8	13.7
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)