

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: P382795

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382795
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-SA1D-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7806.4 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

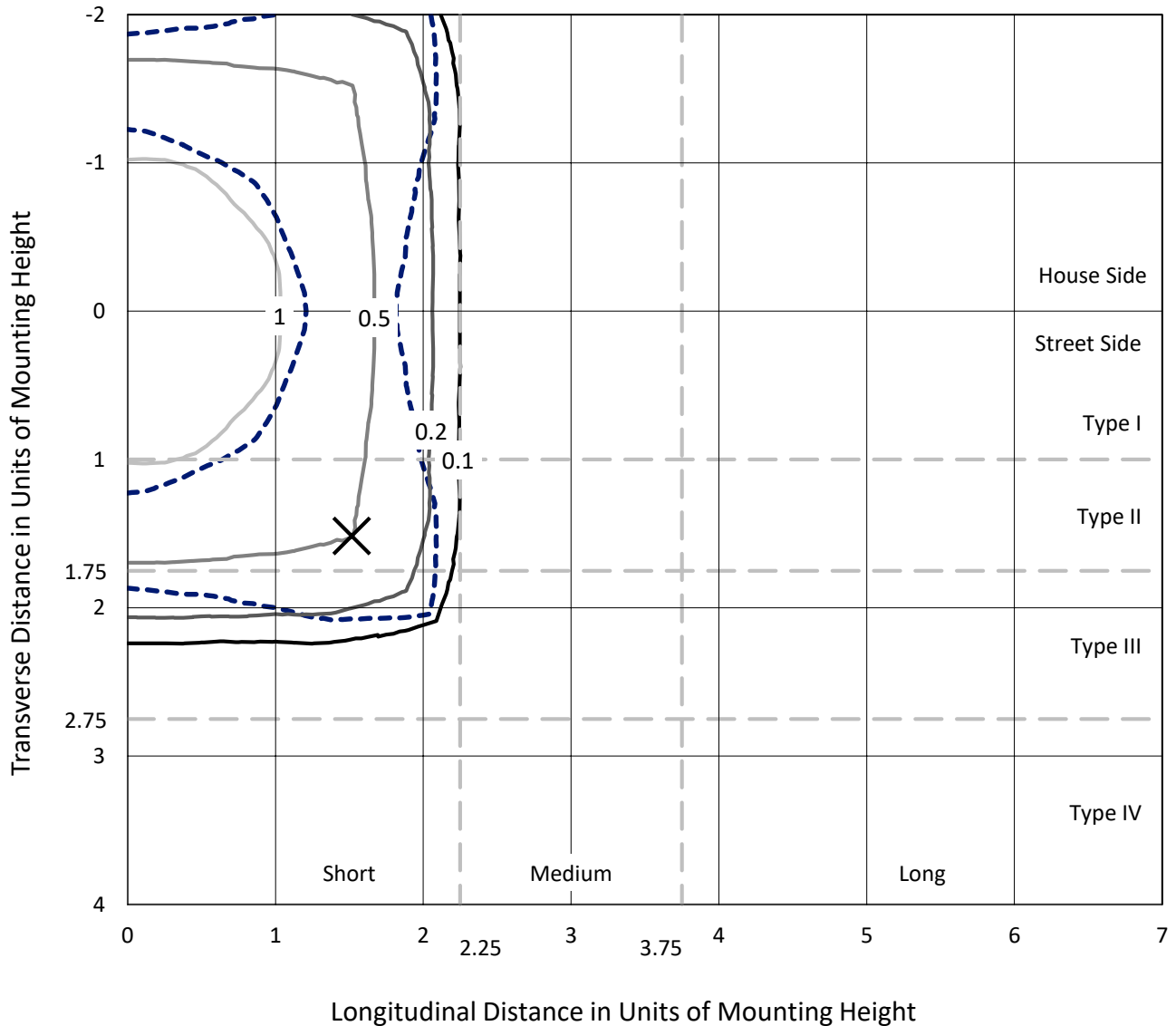
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

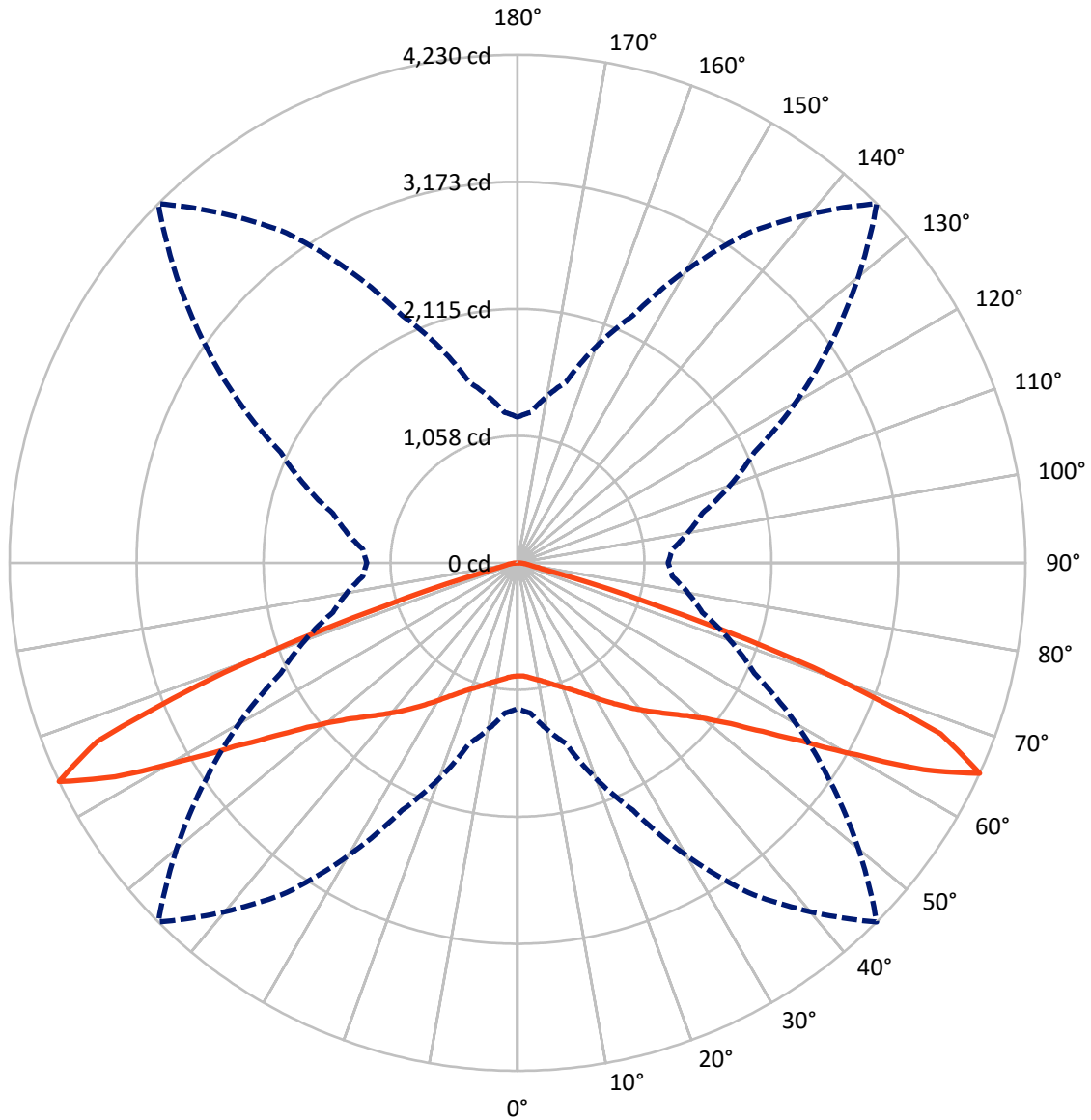
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	3903.2	0.0	3903.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3903.2	0.0	3903.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7806.4	0.0	7806.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	1.2
10°-20°	297.3	3.8
20°-30°	557.8	7.1
30°-40°	922.5	11.8
40°-50°	1428.8	18.3
50°-60°	2191.3	28.1
60°-70°	2044.8	26.2
70°-80°	238.0	3.0
80°-90°	33.4	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°	7806.4	100.0
0°-180°	7806.4	100.0

Coefficient of Utilization



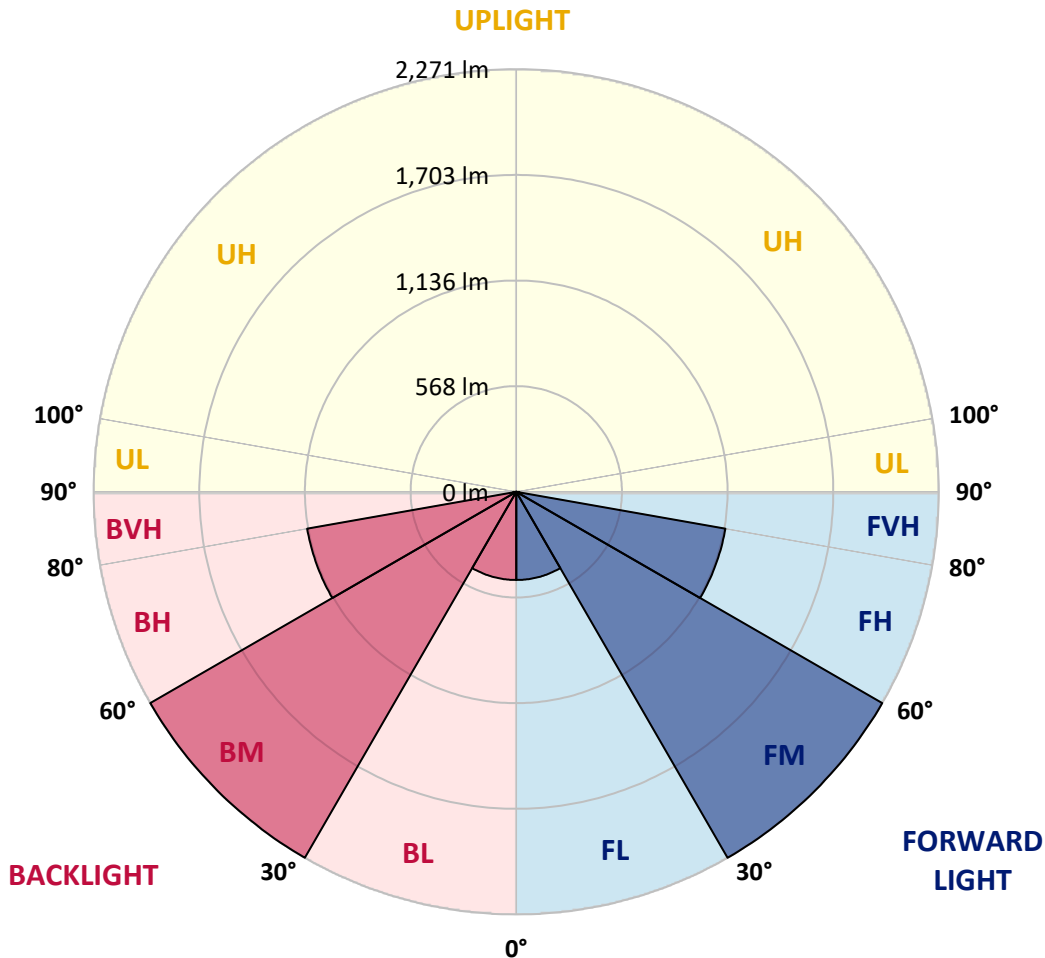
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.8	6.1			
FM (30°-60°)	2271.3	29.1			
FH (60°-80°)	1141.4	14.6			G1/1800
FVH (80°-90°)	16.7	0.2			G1/100
BL (0°-30°)	473.8	6.1	B1/500		
BM (30°-60°)	2271.3	29.1	B2/2500		
BH (60°-80°)	1141.4	14.6	B3/2500		G1/1800
BVH (80°-90°)	16.7	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	942.7	942.7	942.7	942.7	942.7	942.7	942.7	942.7	942.7	942.7	942.7
2.5°	945.8	945.3	945.8	946.1	944.5	945.3	945.1	946.4	946.8	946.4	946.4
5°	956.7	956.0	957.0	958.3	956.2	956.7	956.0	957.4	958.0	957.0	957.7
7.5°	971.7	972.0	973.0	975.3	974.0	975.1	973.6	973.8	973.6	972.0	972.3
10°	988.1	988.3	990.1	993.2	993.8	993.8	992.8	991.9	990.9	989.9	990.1
12.5°	1007.7	1009.1	1010.4	1014.3	1014.3	1016.3	1015.8	1013.7	1011.9	1010.4	1010.4
15°	1034.5	1034.2	1035.8	1039.6	1041.5	1044.8	1044.8	1041.9	1039.6	1038.1	1037.6
17.5°	1062.4	1063.2	1064.3	1069.0	1071.7	1075.7	1076.1	1073.8	1072.3	1070.3	1069.0
20°	1095.1	1096.3	1100.5	1102.3	1104.9	1108.5	1109.8	1109.4	1107.8	1106.8	1107.1
22.5°	1133.1	1136.6	1139.1	1141.7	1144.9	1147.4	1148.7	1150.6	1149.0	1148.2	1147.7
25°	1179.3	1181.7	1186.8	1191.4	1193.6	1194.3	1195.9	1198.4	1198.2	1196.4	1196.4
27.5°	1231.7	1236.1	1242.5	1249.3	1249.3	1246.7	1251.9	1256.3	1254.7	1252.4	1249.3
30°	1295.1	1299.3	1306.8	1316.1	1311.4	1309.7	1316.6	1324.7	1322.3	1318.4	1318.0
32.5°	1363.5	1367.4	1377.3	1387.4	1381.4	1378.9	1386.3	1398.0	1393.9	1386.0	1381.4
35°	1437.7	1441.6	1455.5	1467.7	1457.6	1453.2	1459.5	1472.1	1464.9	1450.3	1446.7
37.5°	1518.2	1520.3	1538.5	1550.9	1543.9	1532.2	1540.0	1549.3	1543.1	1525.5	1518.5
40°	1602.0	1609.4	1630.5	1644.9	1632.8	1614.4	1627.3	1640.3	1631.0	1608.4	1596.5
42.5°	1699.6	1705.4	1733.3	1746.3	1726.6	1700.6	1718.3	1735.9	1726.6	1704.8	1694.5
45°	1801.2	1810.0	1843.4	1856.4	1827.9	1795.0	1816.5	1847.4	1846.6	1815.2	1804.3
47.5°	1911.9	1920.7	1960.6	1977.7	1946.8	1902.8	1933.1	1976.7	1973.6	1939.1	1930.3
50°	2039.6	2048.9	2098.7	2120.2	2091.4	2040.2	2085.7	2124.1	2118.4	2075.9	2076.7
52.5°	2200.0	2199.5	2261.4	2298.8	2269.2	2223.9	2265.8	2303.2	2279.6	2220.7	2218.9
55°	2340.5	2349.0	2425.7	2496.5	2494.7	2477.3	2494.1	2495.7	2428.4	2350.0	2340.5
57.5°	2432.7	2449.0	2557.1	2685.1	2780.9	2804.1	2771.4	2672.4	2514.6	2389.4	2374.1
60°	2376.0	2400.9	2570.6	2831.5	3114.0	3249.5	3065.3	2758.2	2447.5	2273.1	2252.4
62.5°	1993.0	2035.0	2283.5	2760.7	3400.6	3796.8	3278.3	2620.6	2180.6	1940.4	1904.8
65°	1213.8	1258.1	1557.6	2272.3	3354.2	4230.1	3181.0	2175.2	1591.5	1292.8	1254.4
67.5°	404.5	417.4	594.0	1256.0	2636.1	3800.7	2640.6	1302.1	692.7	459.2	445.7
70°	158.4	159.7	188.4	364.0	1244.8	2610.5	1373.7	370.6	196.9	155.8	159.1
72.5°	116.4	116.9	124.9	152.1	324.5	1150.0	336.1	152.9	121.6	109.1	109.1
75°	93.5	93.5	99.2	110.9	145.4	263.8	147.5	109.6	95.1	87.1	86.1
77.5°	73.9	75.4	79.8	87.3	98.5	127.0	102.1	86.8	76.7	69.2	67.6
80°	55.0	56.5	63.7	67.4	70.7	88.1	75.4	67.9	60.6	51.8	50.3
82.5°	36.1	37.5	46.7	48.7	48.0	57.6	50.8	50.0	44.5	33.4	31.9
85°	23.6	24.1	31.1	32.4	29.8	26.2	32.4	34.2	31.1	21.8	21.0
87.5°	11.2	11.2	15.8	14.8	13.5	10.9	14.8	17.3	17.6	10.6	10.3
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)