

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: P382766

Luminaire Tested: **GLEON-SA1C-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA1C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7246.5 lumens
Efficiency: N/A
Efficacy: 122.8 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

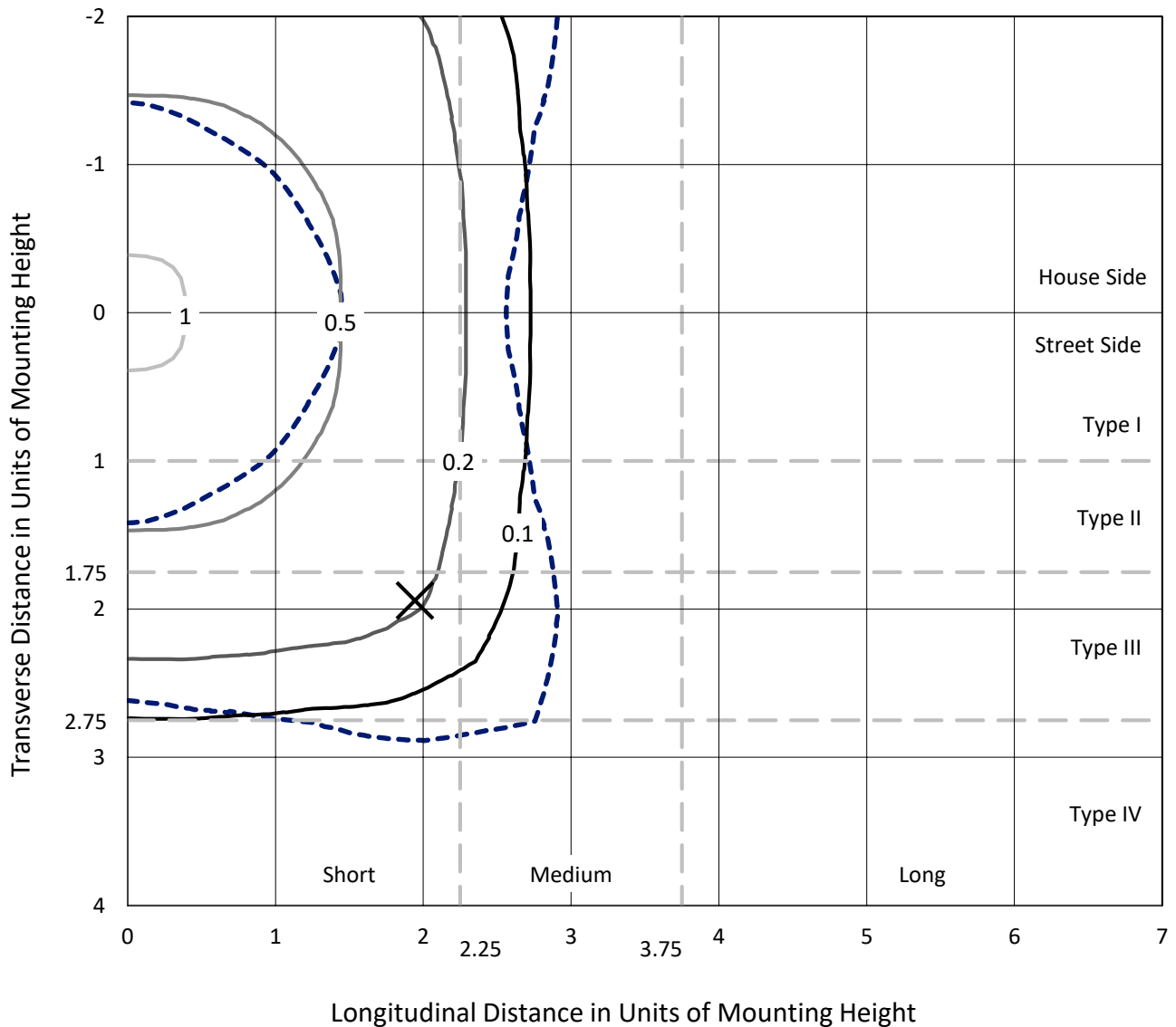
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

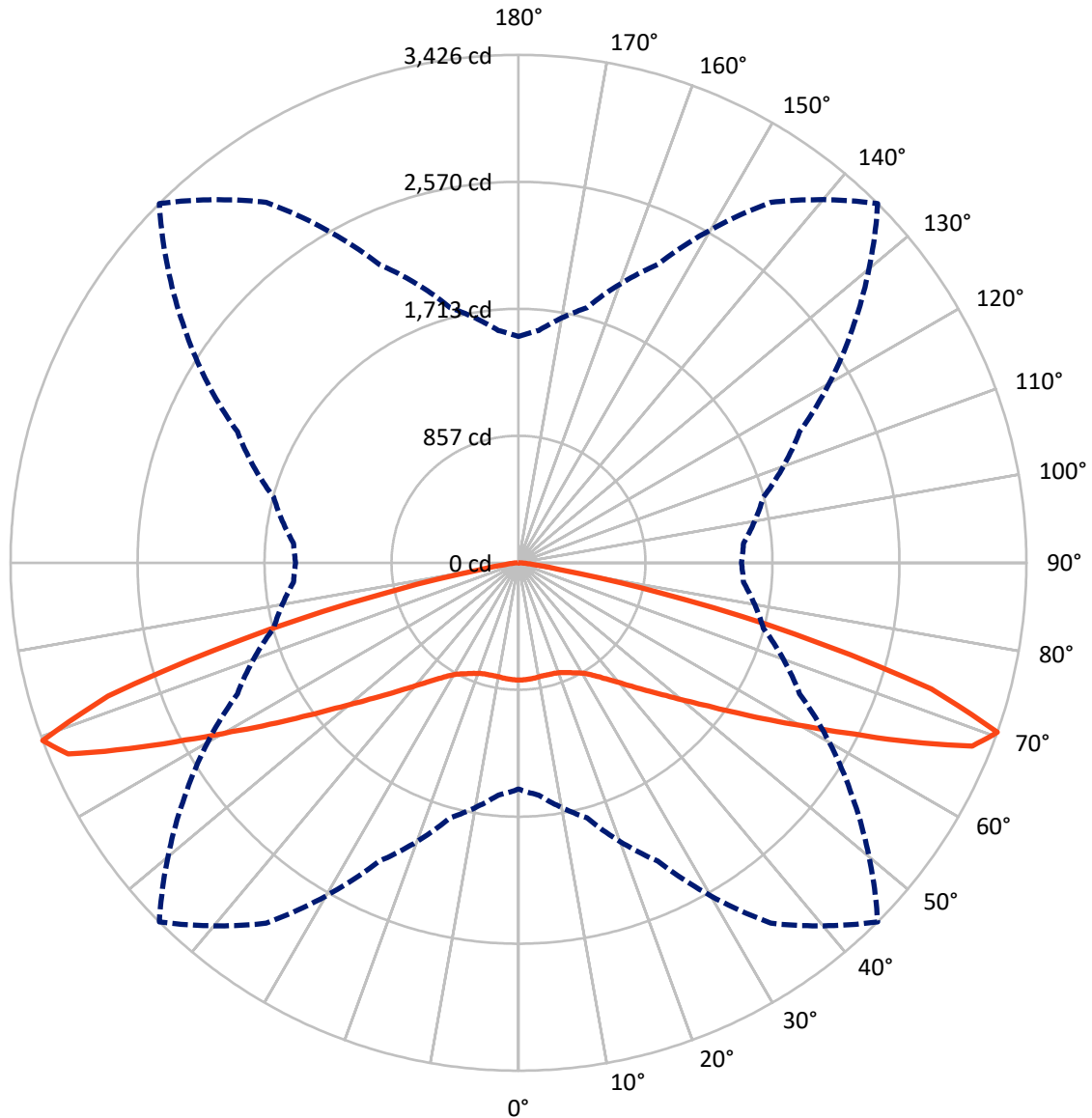
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	3623.2	0.0	3623.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3623.2	0.0	3623.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7246.5	0.0	7246.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.0
10°-20°	220.1	3.0
20°-30°	374.6	5.2
30°-40°	594.1	8.2
40°-50°	966.8	13.3
50°-60°	1594.1	22.0
60°-70°	2340.2	32.3
70°-80°	1034.8	14.3
80°-90°	46.9	0.6
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°	7246.5	100.0
0°-180°	7246.5	100.0



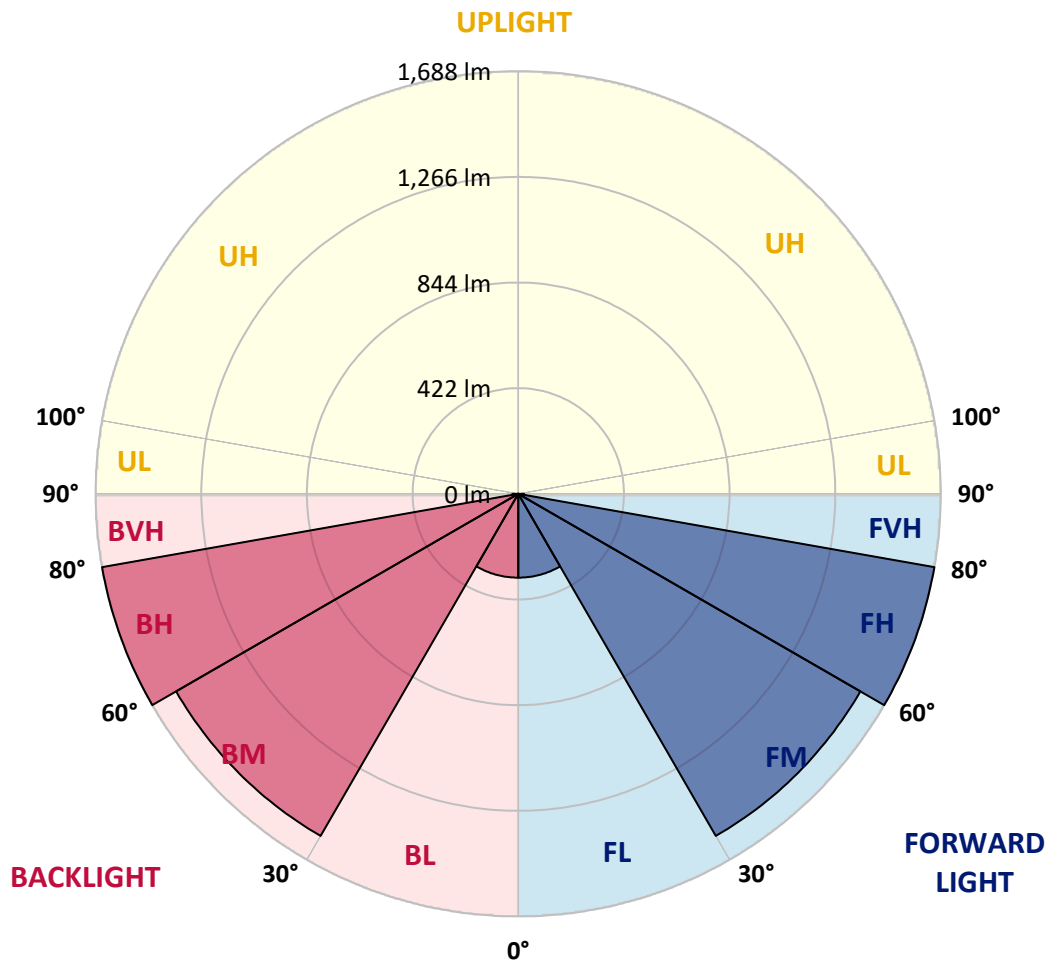
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.8	4.6			
FM (30°-60°)	1577.5	21.8			
FH (60°-80°)	1687.5	23.3			G1/1800
FVH (80°-90°)	23.4	0.3			G1/100
BL (0°-30°)	334.8	4.6	B1/500		
BM (30°-60°)	1577.5	21.8	B2/2500		
BH (60°-80°)	1687.5	23.3	B3/2500		G1/1800
BVH (80°-90°)	23.4	0.3			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°	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4	791.4
2.5°	790.2	789.5	791.2	791.0	789.5	789.8	789.8	790.5	790.5	790.0	790.0
5°	787.3	786.9	788.8	788.8	787.3	787.8	788.3	789.0	788.8	788.3	788.1
7.5°	783.7	783.5	785.5	785.5	784.5	784.9	784.5	784.7	784.3	783.7	783.1
10°	777.7	778.2	779.9	780.4	780.4	780.6	780.2	779.0	778.2	777.6	776.8
12.5°	772.3	772.0	774.4	775.6	777.6	779.7	778.2	774.9	773.5	772.0	771.5
15°	768.6	768.9	771.3	773.5	776.8	781.4	779.7	774.4	771.5	769.8	769.4
17.5°	768.0	768.4	771.5	775.3	779.0	784.0	783.1	777.7	773.0	769.8	769.1
20°	769.6	769.8	774.7	780.2	786.4	791.2	789.0	783.2	776.8	772.0	770.8
22.5°	772.7	773.7	779.7	788.3	797.9	804.4	801.8	791.9	781.8	775.9	774.2
25°	782.6	782.8	791.0	802.7	814.2	821.6	818.6	804.6	791.6	784.9	782.8
27.5°	802.9	803.6	811.8	825.4	835.3	840.2	838.2	826.9	815.8	808.7	809.4
30°	832.4	833.4	842.5	857.6	863.6	864.8	864.4	859.1	849.0	839.4	840.2
32.5°	868.4	868.9	881.2	894.8	899.6	900.5	899.6	894.8	882.8	869.9	870.5
35°	914.7	916.2	927.9	941.0	945.0	946.8	945.1	938.9	926.4	913.8	913.3
37.5°	971.8	972.0	984.3	998.0	1002.7	1003.2	1001.3	997.2	981.6	970.1	969.4
40°	1037.9	1039.0	1053.3	1067.9	1069.9	1067.7	1070.3	1067.9	1051.9	1038.7	1040.8
42.5°	1118.6	1120.7	1138.0	1152.4	1146.8	1145.6	1147.3	1148.0	1135.1	1119.1	1117.6
45°	1212.3	1214.3	1235.8	1247.3	1243.7	1235.8	1239.1	1244.9	1226.9	1207.1	1209.0
47.5°	1319.3	1324.1	1347.1	1357.9	1349.1	1338.3	1344.7	1353.4	1332.2	1307.5	1306.3
50°	1438.2	1444.3	1474.9	1490.0	1481.2	1461.2	1472.0	1477.8	1447.3	1415.5	1412.8
52.5°	1565.1	1571.1	1609.7	1640.9	1635.1	1604.2	1619.3	1613.3	1578.3	1535.4	1532.0
55°	1708.7	1711.2	1752.9	1803.3	1809.1	1786.2	1785.3	1775.4	1723.6	1674.0	1671.6
57.5°	1856.5	1858.2	1912.2	1971.6	1998.7	1998.7	1971.9	1951.0	1882.2	1824.6	1818.6
60°	2016.0	2022.0	2081.7	2162.5	2225.8	2244.6	2197.1	2140.2	2065.4	1995.1	1988.2
62.5°	2157.9	2164.9	2256.3	2376.7	2478.4	2546.5	2430.4	2337.8	2201.6	2088.9	2075.7
65°	2176.0	2194.6	2327.8	2545.7	2773.4	2909.3	2686.8	2458.7	2210.5	2053.9	2040.5
67.5°	1987.2	2018.8	2198.7	2538.1	3008.4	3300.3	2850.6	2389.6	2051.3	1878.1	1863.2
70°	1527.0	1573.0	1780.5	2220.1	2967.9	3426.1	2748.0	2092.0	1710.2	1523.8	1503.0
72.5°	837.7	856.7	1043.2	1520.3	2379.4	2911.6	2292.1	1546.9	1134.2	922.9	887.9
75°	265.8	272.5	367.4	622.1	1345.9	1928.5	1456.0	759.3	418.0	308.2	304.6
77.5°	118.0	118.7	132.8	181.6	463.6	977.1	556.9	206.7	142.4	124.5	128.6
80°	74.6	74.6	82.3	89.9	126.1	283.7	150.6	98.4	83.9	78.0	79.6
82.5°	35.8	39.6	53.5	57.6	69.3	95.5	77.2	64.3	56.1	41.7	38.8
85°	23.5	19.7	33.8	38.1	40.3	45.8	44.8	42.5	36.7	20.9	23.3
87.5°	10.5	10.1	17.5	16.0	15.1	11.6	17.2	21.3	20.6	10.3	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)