

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: P382911

Luminaire Tested: **GLEON-SA2D-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382911  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA2D-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15117.2 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

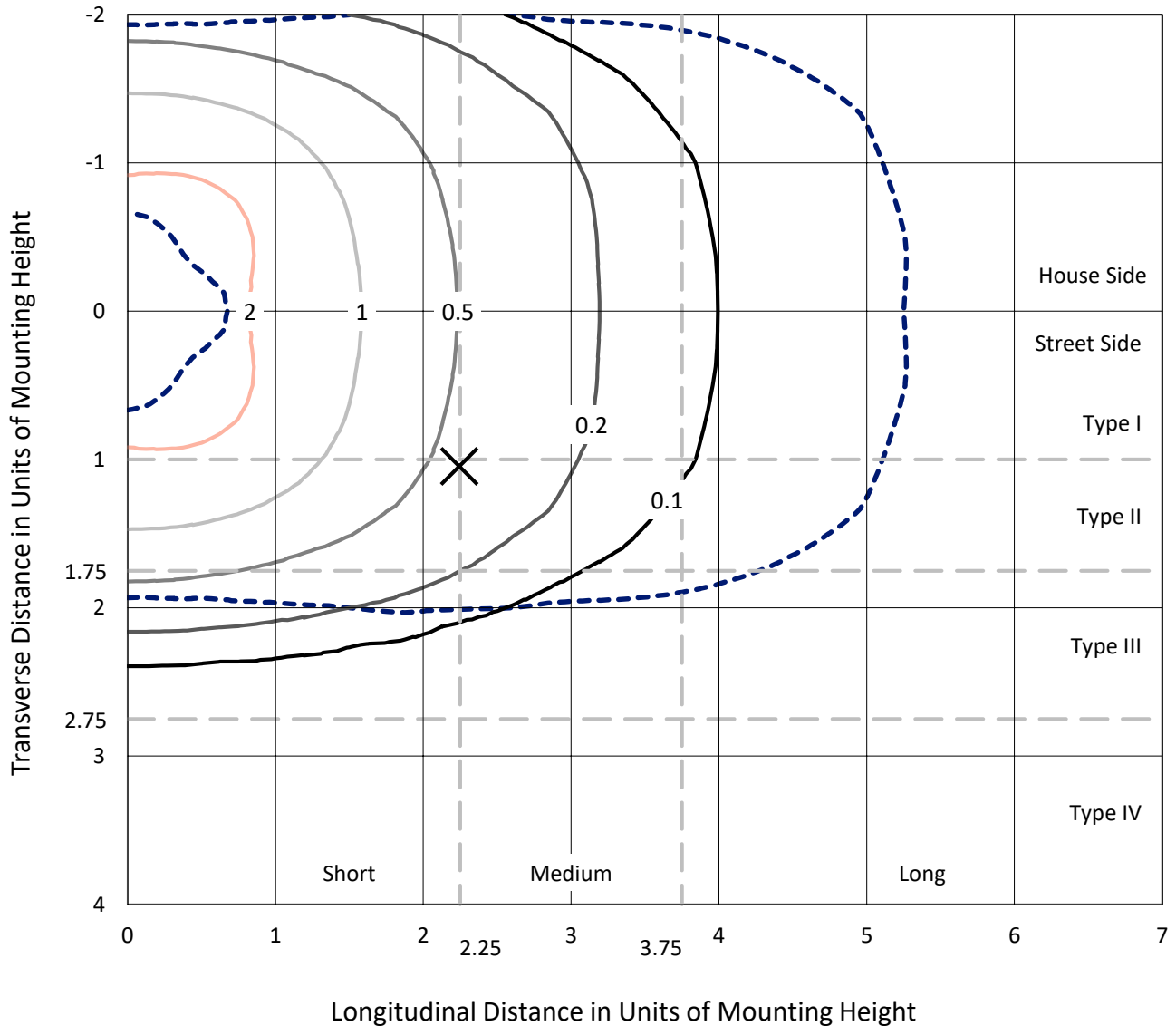
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

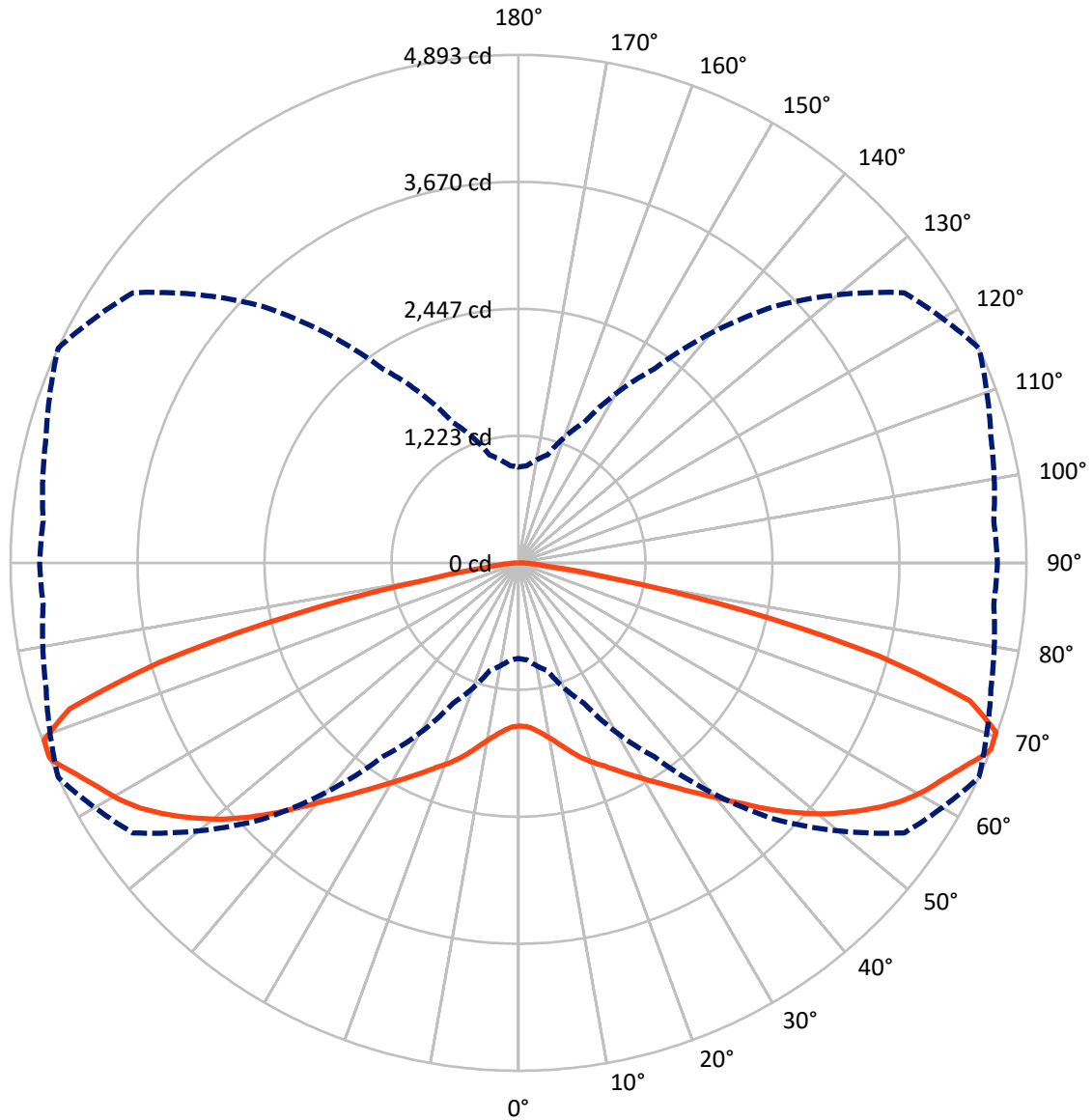
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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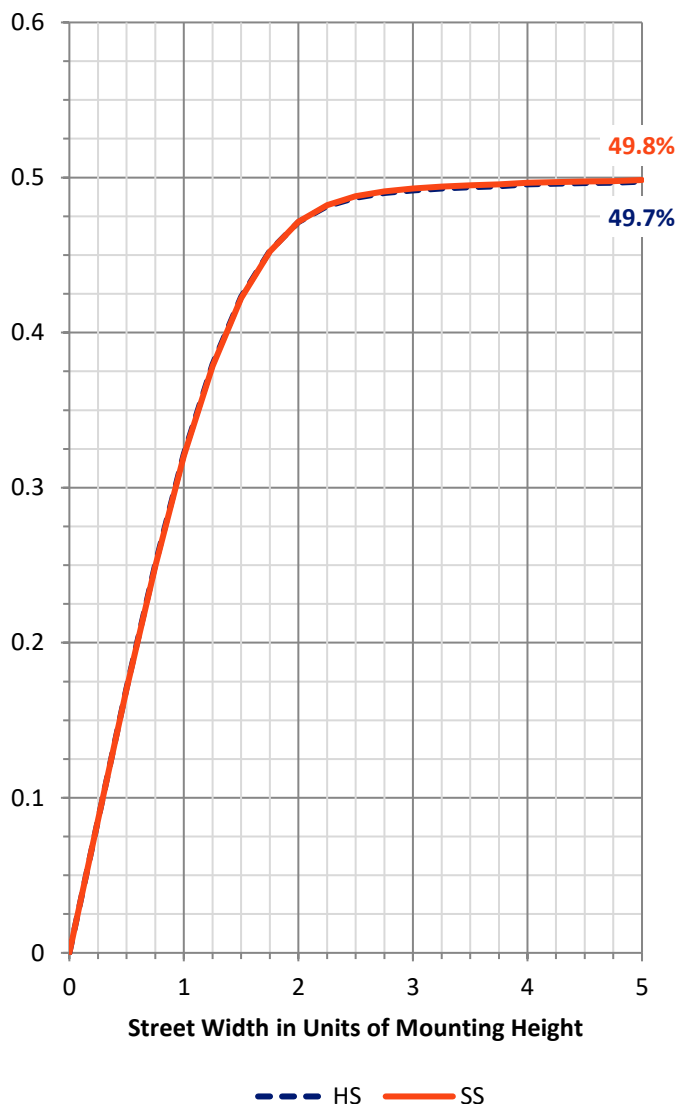
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7558.6	0.0	7558.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7558.6	0.0	7558.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15117.2	0.0	15117.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.9	1.0
10°-20°	515.3	3.4
20°-30°	1004.7	6.6
30°-40°	1687.8	11.2
40°-50°	2659.4	17.6
50°-60°	3556.5	23.5
60°-70°	3457.4	22.9
70°-80°	1890.0	12.5
80°-90°	192.2	1.3
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°	15117.2	100.0
0°-180°	15117.2	100.0

**Coefficient of Utilization**



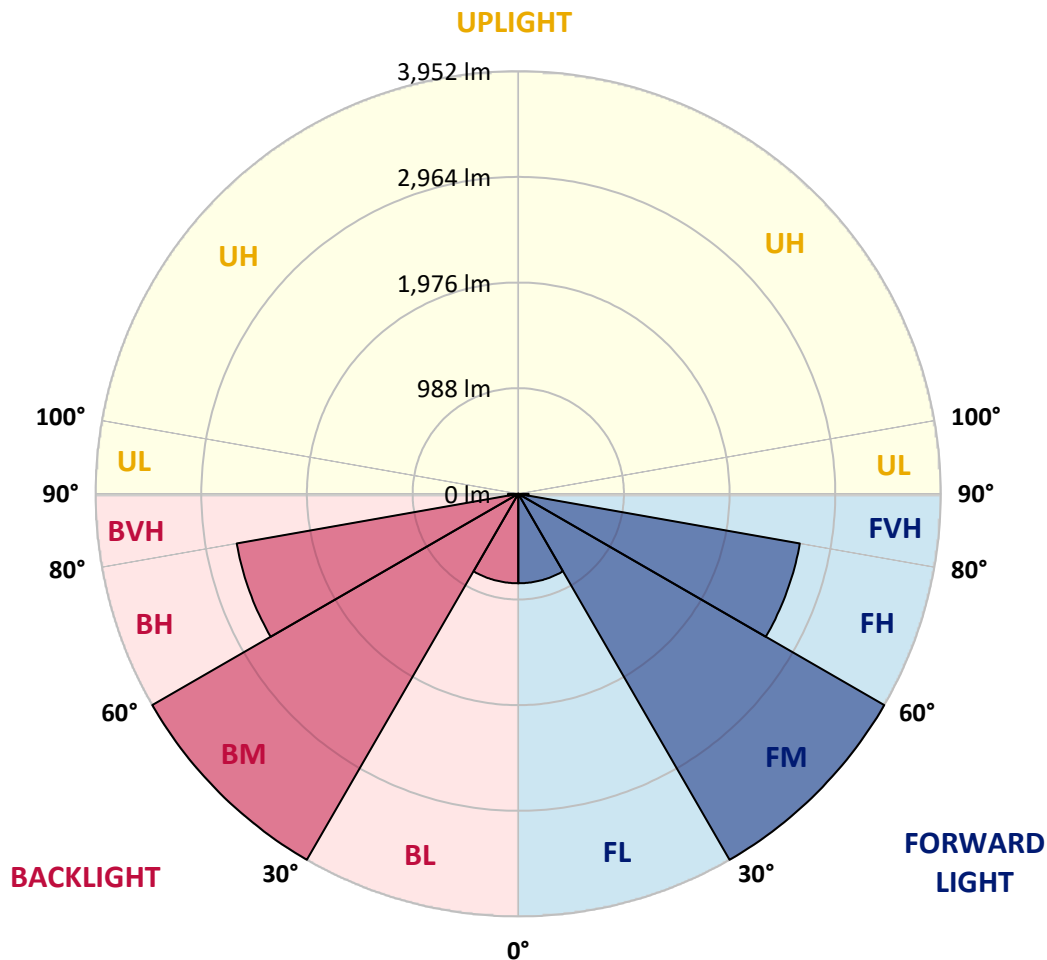
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.9	5.5			
FM (30°-60°)	3951.9	26.1			
FH (60°-80°)	2673.7	17.7			G2/5000
FVH (80°-90°)	96.1	0.6			G1/100
BL (0°-30°)	836.9	5.5	B2/1000		
BM (30°-60°)	3951.9	26.1	B3/5000		
BH (60°-80°)	2673.7	17.7	B4/5000		G4/5000
BVH (80°-90°)	96.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1571.8	1571.8	1571.8	1571.8	1571.8	1571.8	1571.8	1571.8	1571.8	1571.8	1571.8
2.5°	1560.7	1561.2	1563.7	1566.8	1569.3	1575.9	1577.4	1579.9	1580.9	1583.4	1583.4
5°	1547.0	1548.0	1554.1	1562.2	1571.3	1587.5	1599.2	1612.4	1618.9	1626.1	1625.6
7.5°	1545.4	1548.0	1556.6	1569.8	1585.0	1611.9	1636.2	1662.5	1680.3	1696.5	1695.5
10°	1561.2	1565.3	1577.4	1597.1	1620.0	1653.4	1689.5	1724.9	1755.8	1780.7	1781.7
12.5°	1585.0	1590.1	1609.3	1639.2	1673.7	1716.7	1759.4	1799.4	1841.9	1879.0	1882.0
15°	1616.4	1623.0	1651.9	1696.5	1749.3	1800.4	1846.0	1887.1	1936.3	1987.5	1992.6
17.5°	1663.1	1672.2	1710.2	1770.5	1840.0	1896.3	1943.9	1974.8	2015.9	2068.6	2078.2
20°	1734.0	1745.7	1793.9	1865.8	1950.5	2009.3	2045.8	2052.4	2072.6	2119.7	2130.9
22.5°	1826.3	1836.5	1890.1	1975.8	2070.6	2134.5	2153.7	2127.4	2125.3	2163.3	2174.0
25°	1929.1	1938.3	2000.7	2096.9	2198.8	2269.2	2268.8	2217.5	2182.2	2211.5	2222.7
27.5°	2044.7	2058.9	2118.7	2220.2	2329.1	2398.5	2394.4	2315.5	2248.0	2255.6	2265.2
30°	2177.6	2193.2	2251.6	2354.5	2463.4	2531.4	2526.3	2421.8	2320.5	2300.2	2307.4
32.5°	2342.3	2361.0	2416.2	2517.7	2614.0	2675.3	2660.6	2537.4	2407.7	2363.6	2370.1
35°	2540.5	2551.6	2609.9	2709.8	2787.8	2829.9	2799.0	2671.2	2518.2	2465.0	2465.0
37.5°	2741.2	2749.8	2815.2	2912.0	2987.6	3009.8	2949.6	2817.7	2662.6	2587.1	2588.6
40°	2933.8	2957.1	3030.6	3130.0	3204.5	3210.6	3130.5	2985.0	2823.3	2745.3	2754.4
42.5°	3135.0	3157.9	3245.5	3358.0	3424.0	3434.1	3340.3	3172.6	3004.8	2941.5	2951.5
45°	3314.4	3332.7	3434.1	3564.8	3647.0	3673.4	3562.3	3387.5	3200.9	3139.1	3141.6
47.5°	3439.6	3463.5	3575.0	3729.1	3848.7	3889.3	3780.3	3596.8	3394.1	3319.0	3325.6
50°	3553.2	3565.9	3679.0	3847.2	3999.2	4082.9	3989.6	3803.6	3589.2	3509.6	3516.7
52.5°	3616.5	3632.8	3742.3	3917.6	4097.6	4232.4	4175.7	3989.6	3777.8	3700.2	3708.9
55°	3572.5	3584.6	3715.9	3933.4	4158.4	4324.7	4333.3	4171.6	3962.8	3894.9	3919.2
57.5°	3371.7	3386.9	3547.1	3832.0	4166.1	4387.0	4451.9	4340.4	4135.6	4080.4	4094.5
60°	3058.0	3067.6	3238.4	3558.8	4018.0	4412.8	4527.4	4478.2	4304.9	4249.6	4268.9
62.5°	2498.9	2513.1	2717.4	3146.7	3705.3	4336.4	4600.4	4592.3	4462.6	4411.9	4429.1
65°	1708.2	1733.1	1959.0	2502.0	3223.2	4102.2	4666.9	4725.1	4601.9	4538.0	4560.9
67.5°	1031.5	1049.8	1213.4	1651.9	2466.5	3629.8	4598.4	4876.2	4700.3	4597.4	4616.1
68°	922.0	938.7	1075.6	1490.8	2281.5	3496.5	4536.1	4893.4	4710.9	4596.3	4613.1
70°	557.1	568.2	660.0	921.5	1521.1	2773.6	4110.7	4879.2	4778.8	4610.6	4620.2
72.5°	362.9	366.5	381.7	472.9	777.0	1551.0	3085.4	4546.7	4880.8	4693.1	4691.6
75°	301.6	299.6	301.1	311.7	383.2	680.2	1803.0	3591.8	4652.6	4562.9	4531.0
77.5°	255.0	253.5	252.9	253.5	256.5	328.5	782.6	2237.4	3560.3	4036.3	4064.6
80°	206.3	204.3	210.9	207.8	198.7	204.3	327.9	930.6	1678.3	1805.5	1692.0
82.5°	150.1	142.4	170.8	162.7	155.1	143.9	181.0	300.6	400.5	274.7	193.1
85°	115.6	107.5	129.8	124.7	106.5	73.5	107.5	147.0	162.2	92.8	73.0
87.5°	47.1	49.7	93.8	74.0	62.3	35.5	44.1	58.8	79.1	39.5	30.4
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)