

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: P317257

Luminaire Tested: **GLEON-SA3D-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317257
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-SA3D-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17801 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

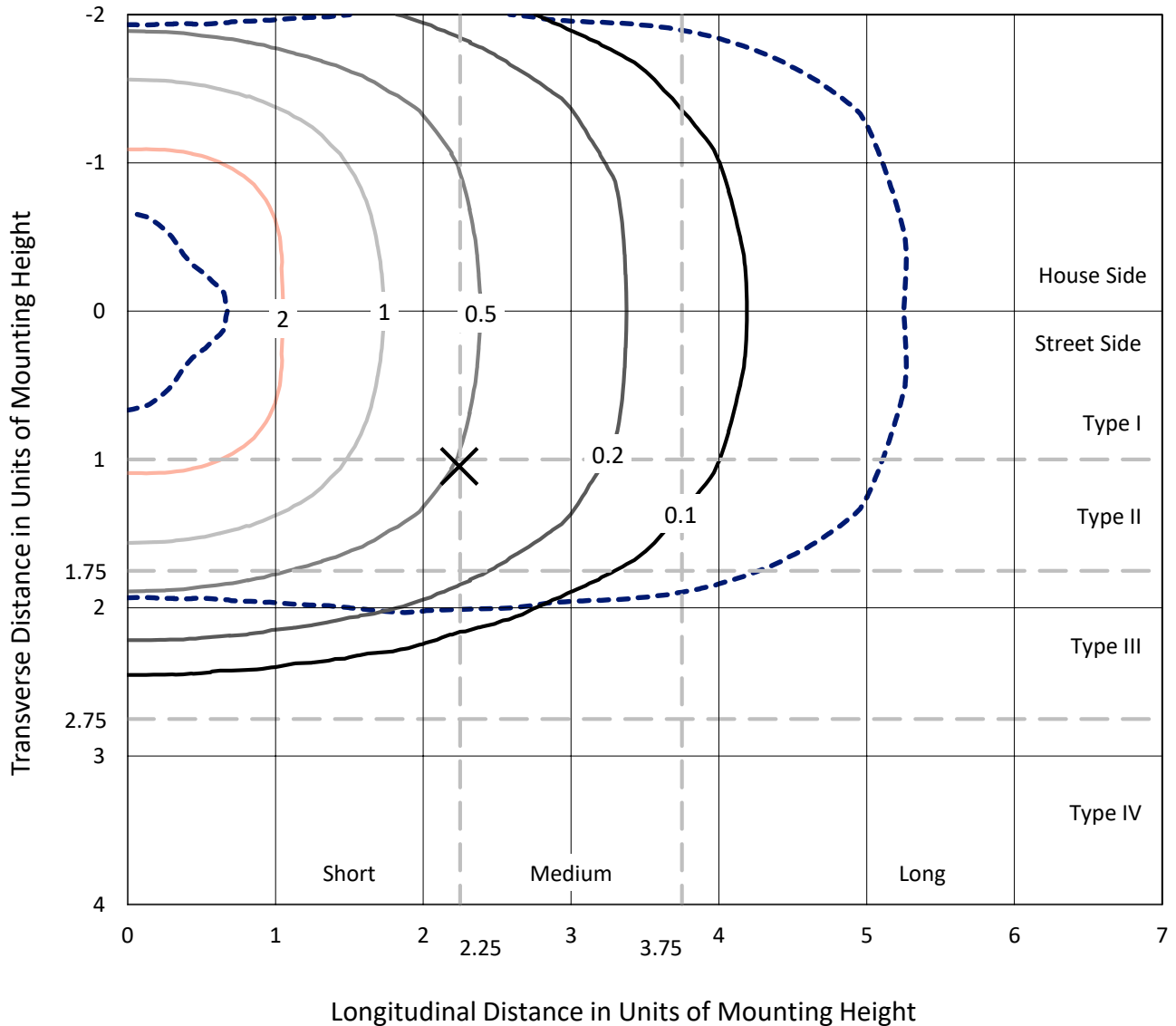
Input Watts (W): 191
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

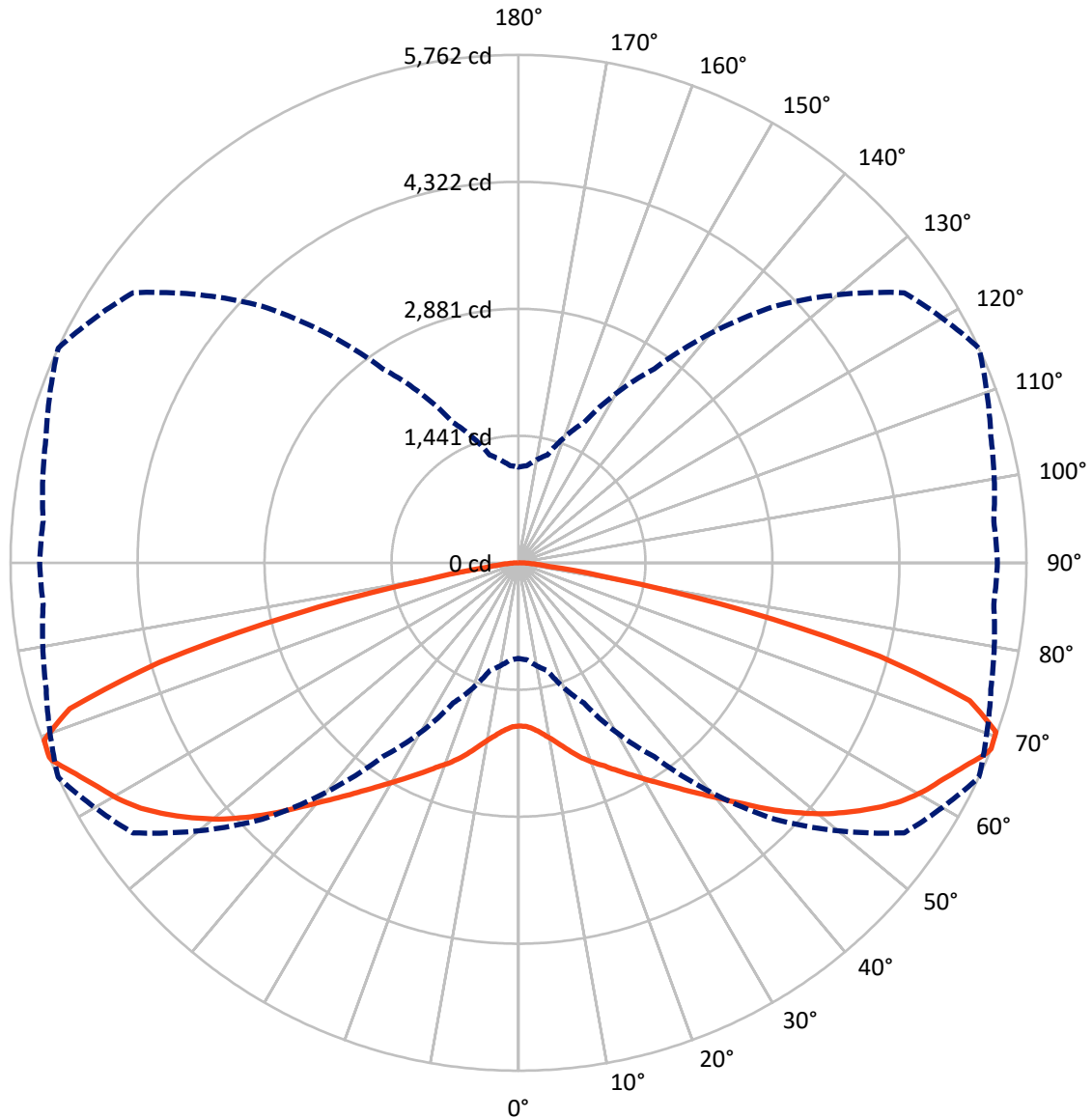
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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
House Side	Lumens	8900.5	0.0	8900.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8900.5	0.0	8900.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17801.0	0.0	17801.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.2	1.0
10°-20°	606.8	3.4
20°-30°	1183.1	6.6
30°-40°	1987.5	11.2
40°-50°	3131.5	17.6
50°-60°	4187.9	23.5
60°-70°	4071.2	22.9
70°-80°	2225.5	12.5
80°-90°	226.3	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°	17801.0	100.0
0°-180°	17801.0	100.0

Coefficient of Utilization

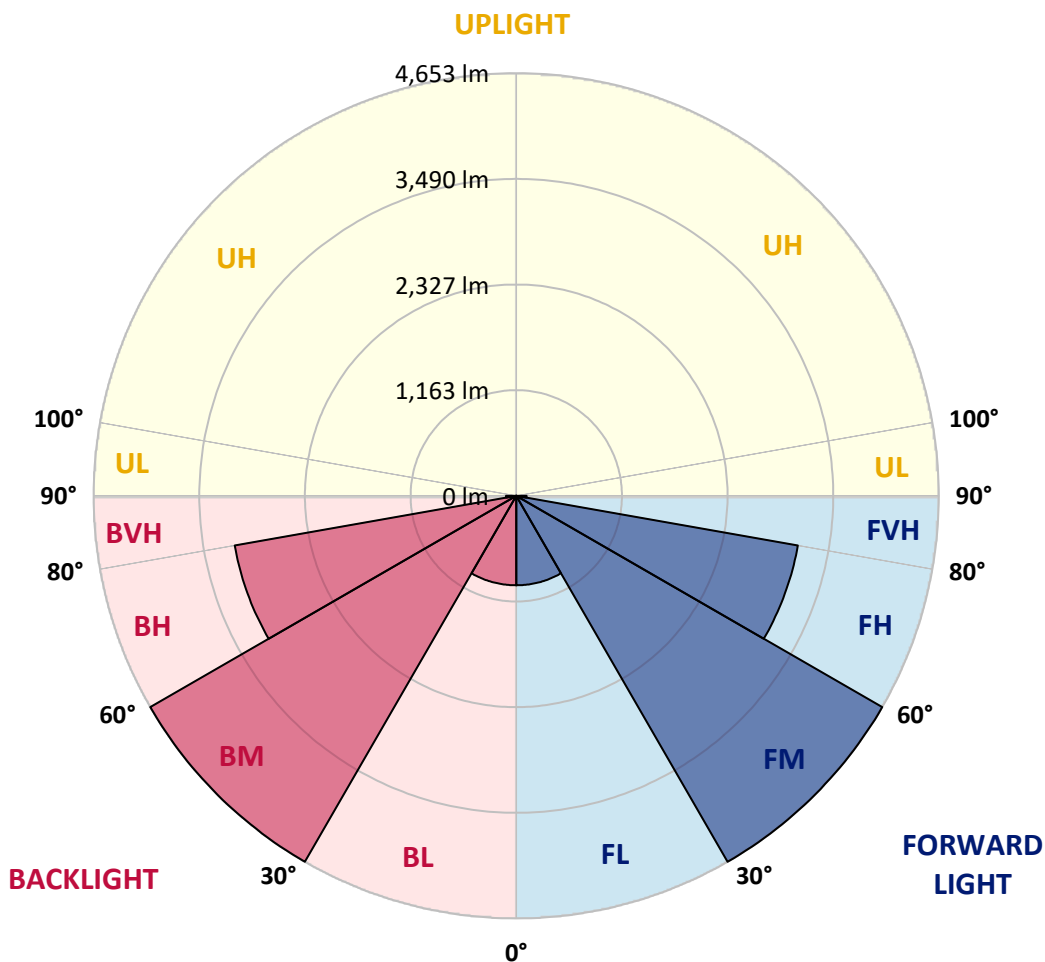


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	985.5	5.5			
FM (30°-60°)	4653.5	26.1			
FH (60°-80°)	3148.3	17.7			G2/5000
FVH (80°-90°)	113.2	0.6			G2/225
BL (0°-30°)	985.5	5.5	B2/1000		
BM (30°-60°)	4653.5	26.1	B3/5000		
BH (60°-80°)	3148.3	17.7	B4/5000		G4/5000
BVH (80°-90°)	113.2	0.6			G2/225
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°	1850.9	1850.9	1850.9	1850.9	1850.9	1850.9	1850.9	1850.9	1850.9	1850.9	1850.9
2.5°	1837.8	1838.4	1841.3	1844.9	1847.9	1855.7	1857.5	1860.4	1861.6	1864.6	1864.6
5°	1821.6	1822.8	1830.0	1839.5	1850.3	1869.4	1883.1	1898.6	1906.4	1914.7	1914.2
7.5°	1819.8	1822.8	1833.0	1848.5	1866.4	1898.0	1926.7	1957.7	1978.6	1997.7	1996.5
10°	1838.4	1843.1	1857.5	1880.7	1907.6	1947.0	1989.4	2031.1	2067.5	2096.8	2098.0
12.5°	1866.4	1872.4	1895.1	1930.3	1970.9	2021.6	2071.7	2118.9	2169.0	2212.6	2216.2
15°	1903.4	1911.2	1945.2	1997.7	2059.8	2120.1	2173.8	2222.1	2280.0	2340.3	2346.3
17.5°	1958.3	1969.1	2013.8	2084.9	2166.6	2232.9	2289.0	2325.4	2373.7	2435.8	2447.2
20°	2041.9	2055.6	2112.3	2197.1	2296.7	2366.0	2409.0	2416.7	2440.6	2496.1	2509.2
22.5°	2150.5	2162.4	2225.7	2326.6	2438.2	2513.4	2536.1	2505.1	2502.7	2547.4	2560.0
25°	2271.7	2282.4	2355.8	2469.2	2589.2	2672.2	2671.6	2611.3	2569.5	2604.1	2617.3
27.5°	2407.8	2424.5	2494.9	2614.3	2742.6	2824.4	2819.6	2726.5	2647.1	2656.1	2667.4
30°	2564.1	2582.6	2651.3	2772.4	2900.8	2980.8	2974.8	2851.8	2732.5	2708.6	2716.9
32.5°	2758.1	2780.2	2845.3	2964.6	3078.0	3150.3	3133.0	2987.9	2835.1	2783.2	2791.0
35°	2991.5	3004.6	3073.3	3190.9	3282.8	3332.3	3295.9	3145.5	2965.2	2902.6	2902.6
37.5°	3227.9	3238.0	3315.0	3429.0	3517.9	3544.2	3473.2	3318.0	3135.3	3046.4	3048.2
40°	3454.7	3482.1	3568.7	3685.7	3773.4	3780.6	3686.3	3515.0	3324.6	3232.6	3243.4
42.5°	3691.6	3718.5	3821.7	3954.2	4031.8	4043.8	3933.4	3735.8	3538.2	3463.6	3475.6
45°	3902.9	3924.4	4043.8	4197.8	4294.5	4325.5	4194.8	3988.9	3769.2	3696.4	3699.4
47.5°	4050.3	4078.4	4209.7	4391.2	4532.0	4579.8	4451.4	4235.4	3996.6	3908.3	3916.0
50°	4184.0	4199.0	4332.1	4530.2	4709.3	4807.8	4697.9	4478.9	4226.4	4132.7	4141.1
52.5°	4258.6	4277.7	4406.7	4613.2	4825.1	4983.8	4917.0	4697.9	4448.5	4357.1	4367.3
55°	4206.7	4221.0	4375.6	4631.7	4896.7	5092.5	5102.6	4912.2	4666.3	4586.3	4615.0
57.5°	3970.4	3988.3	4176.9	4512.3	4905.7	5165.9	5242.3	5111.0	4869.8	4804.8	4821.5
60°	3600.9	3612.2	3813.4	4190.6	4731.4	5196.3	5331.2	5273.3	5069.2	5004.1	5026.8
62.5°	2942.6	2959.3	3199.8	3705.4	4363.1	5106.2	5417.2	5407.6	5254.8	5195.1	5215.4
65°	2011.4	2040.7	2306.9	2946.1	3795.5	4830.4	5495.4	5564.0	5419.0	5343.8	5370.6
67.5°	1214.6	1236.1	1428.9	1945.2	2904.4	4274.2	5414.8	5741.9	5534.7	5413.6	5435.7
68°	1085.7	1105.4	1266.6	1755.4	2686.5	4117.2	5341.4	5762.2	5547.3	5412.4	5432.1
70°	656.0	669.1	777.1	1085.1	1791.2	3266.1	4840.6	5745.4	5627.3	5429.1	5440.4
72.5°	427.4	431.5	449.4	556.9	915.0	1826.4	3633.1	5353.9	5747.2	5526.4	5524.6
75°	355.1	352.7	354.5	367.1	451.2	801.0	2123.1	4229.4	5478.6	5373.0	5335.4
77.5°	300.2	298.4	297.8	298.4	302.0	386.8	921.6	2634.6	4192.4	4752.9	4786.3
80°	242.9	240.5	248.3	244.7	234.0	240.5	386.2	1095.8	1976.2	2126.0	1992.3
82.5°	176.7	167.7	201.1	191.6	182.6	169.5	213.1	353.9	471.5	323.5	227.4
85°	136.1	126.5	152.8	146.8	125.3	86.5	126.5	173.1	191.0	109.2	85.9
87.5°	55.5	58.5	110.4	87.1	73.4	41.8	51.9	69.2	93.1	46.6	35.8
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)