

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: P383583

Luminaire Tested: **GLEON-SA8D-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383583
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-SA8D-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 59214.7 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

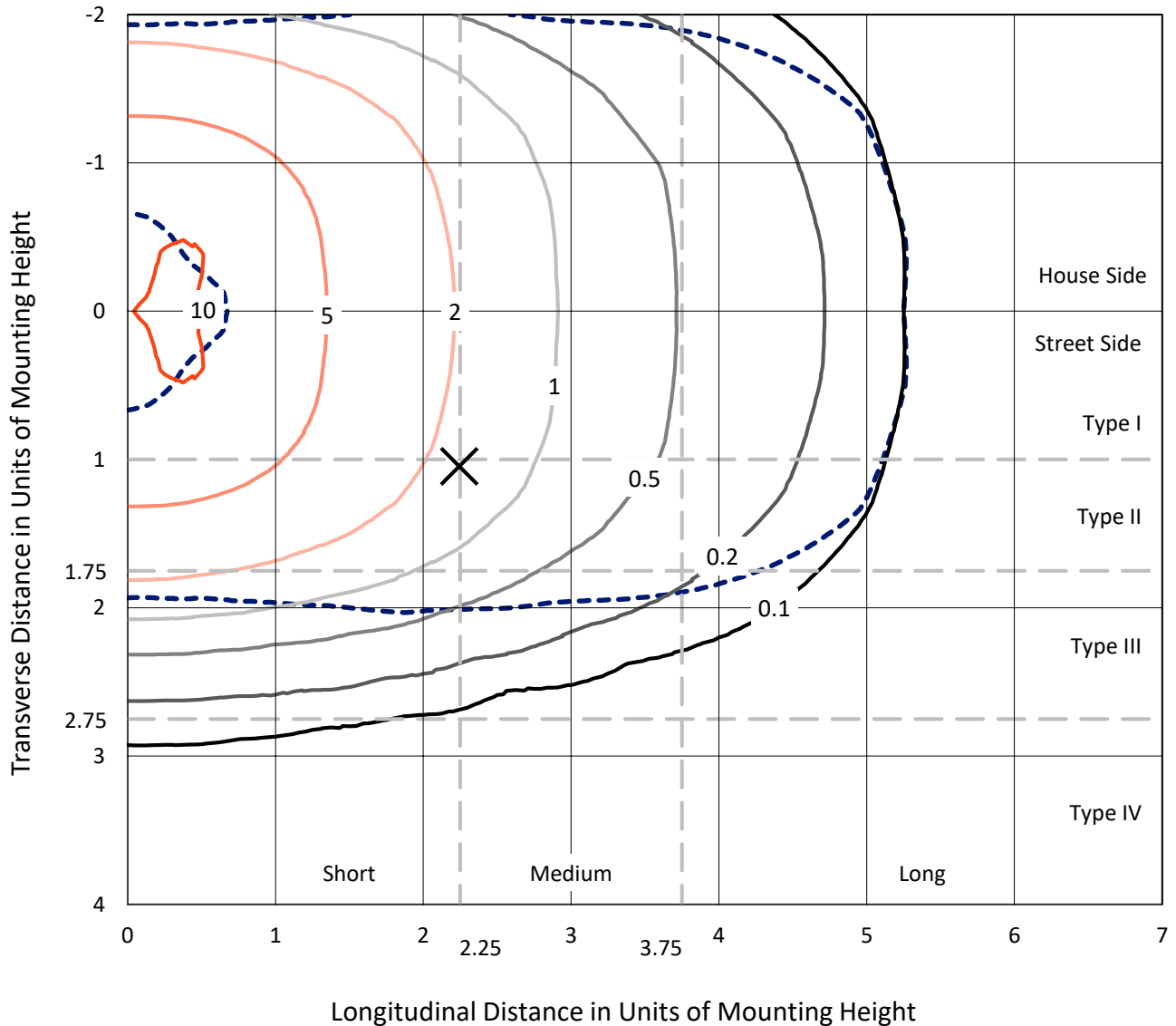
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

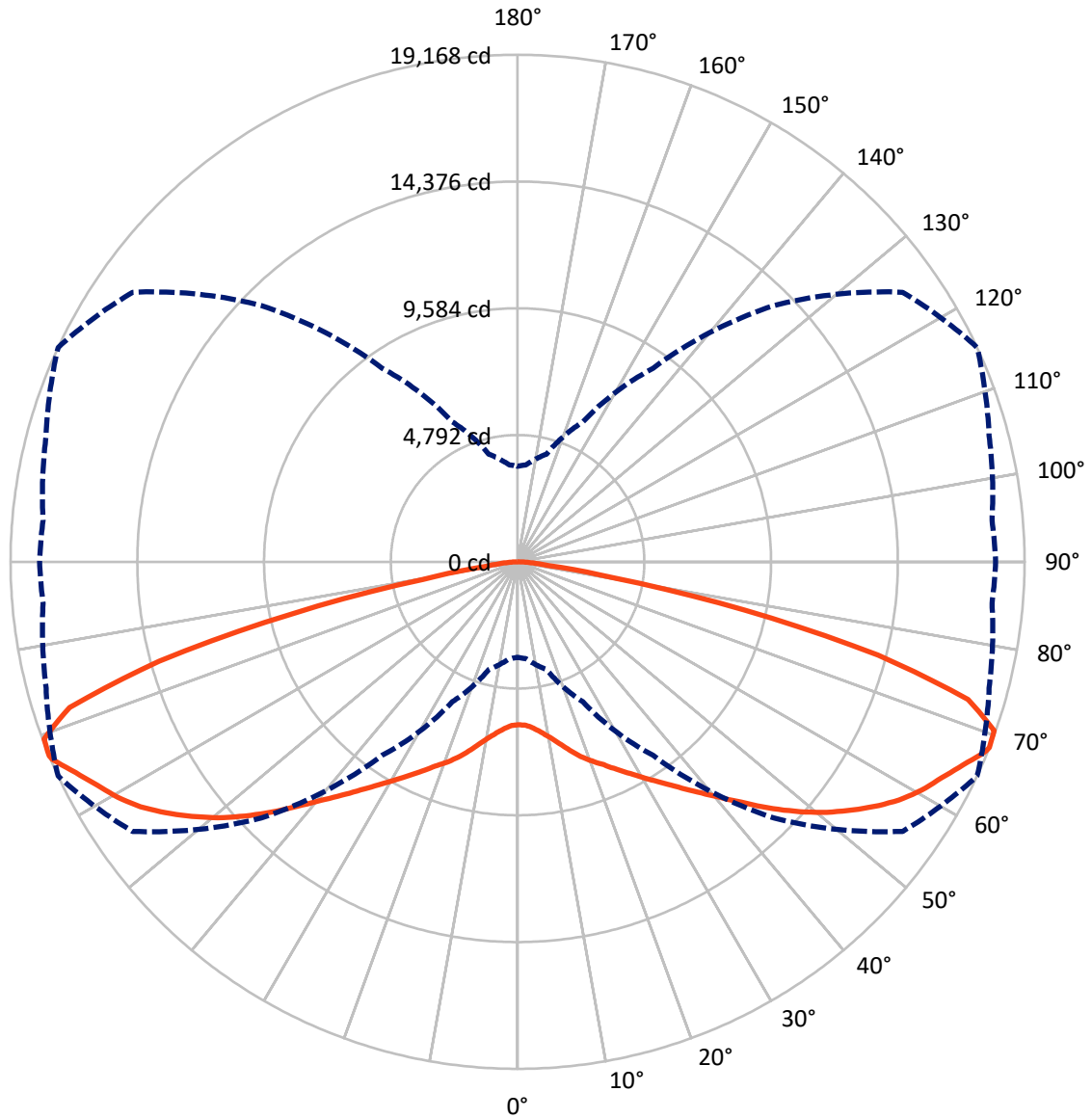
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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	29607.4	0.0	29607.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29607.4	0.0	29607.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	59214.7	0.0	59214.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.8	1.0
10°-20°	2018.4	3.4
20°-30°	3935.5	6.6
30°-40°	6611.3	11.2
40°-50°	10417.0	17.6
50°-60°	13931.0	23.5
60°-70°	13542.7	22.9
70°-80°	7403.1	12.5
80°-90°	752.9	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°	59214.7	100.0
0°-180°	59214.7	100.0

Coefficient of Utilization

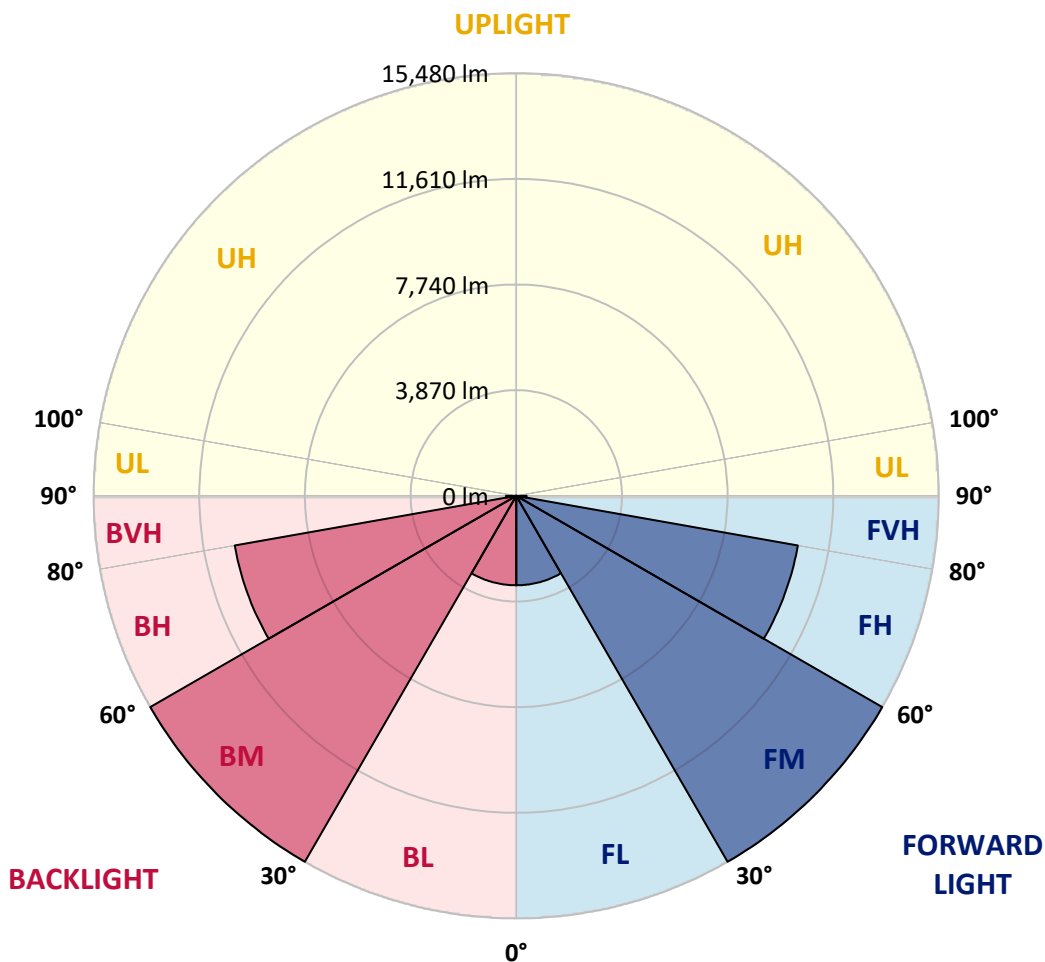


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3278.4	5.5			
FM (30°-60°)	15479.7	26.1			
FH (60°-80°)	10472.9	17.7			G4/12000
FVH (80°-90°)	376.5	0.6			G3/500
BL (0°-30°)	3278.4	5.5	B4/5000		
BM (30°-60°)	15479.7	26.1	B5		
BH (60°-80°)	10472.9	17.7	B5		G5
BVH (80°-90°)	376.5	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6157.0	6157.0	6157.0	6157.0	6157.0	6157.0	6157.0	6157.0	6157.0	6157.0	6157.0
2.5°	6113.3	6115.2	6125.2	6137.1	6147.0	6172.8	6178.8	6188.7	6192.6	6202.6	6202.6
5°	6059.6	6063.6	6087.5	6119.2	6154.9	6218.5	6264.2	6315.8	6341.6	6369.4	6367.4
7.5°	6053.7	6063.6	6097.4	6149.0	6208.6	6313.8	6409.1	6512.4	6581.8	6645.4	6641.4
10°	6115.2	6131.2	6178.8	6256.2	6345.5	6476.6	6617.5	6756.5	6877.7	6975.0	6979.0
12.5°	6208.6	6228.4	6303.9	6421.0	6556.0	6724.7	6891.6	7048.5	7215.2	7360.2	7372.1
15°	6331.6	6357.4	6470.6	6645.4	6851.8	7052.4	7231.0	7391.9	7584.5	7785.0	7804.9
17.5°	6514.3	6550.1	6698.9	6935.3	7207.3	7427.6	7614.3	7735.4	7896.2	8102.7	8140.4
20°	6792.3	6837.9	7026.6	7308.5	7640.1	7870.4	8013.4	8039.2	8118.6	8303.3	8346.9
22.5°	7153.6	7193.3	7403.8	7739.4	8110.6	8360.8	8436.3	8333.0	8325.1	8474.0	8515.6
25°	7556.7	7592.4	7836.6	8213.9	8613.0	8888.9	8887.0	8686.4	8547.4	8662.6	8706.2
27.5°	8009.4	8065.0	8299.3	8696.4	9123.2	9395.2	9379.4	9069.6	8805.5	8835.4	8873.1
30°	8529.6	8591.1	8819.4	9222.5	9649.3	9915.4	9895.6	9486.6	9089.5	9010.0	9037.9
32.5°	9174.8	9248.3	9464.7	9861.8	10239.1	10479.4	10421.7	9939.2	9431.0	9258.3	9284.1
35°	9951.2	9994.9	10223.2	10614.3	10920.1	11084.9	10963.8	10463.4	9863.8	9655.3	9655.3
37.5°	10737.4	10771.2	11027.3	11406.5	11702.4	11789.8	11553.4	11037.3	10429.7	10133.8	10139.8
40°	11491.9	11583.2	11871.1	12260.3	12552.1	12576.0	12262.2	11692.4	11059.1	10753.3	10789.0
42.5°	12280.1	12369.5	12712.9	13153.7	13411.9	13451.5	13084.2	12427.0	11769.8	11521.7	11561.3
45°	12983.0	13054.4	13451.5	13963.8	14285.5	14388.7	13953.8	13268.9	12538.3	12296.1	12305.9
47.5°	13473.4	13566.7	14003.5	14607.1	15075.7	15234.5	14807.6	14088.9	13294.7	13000.9	13026.7
50°	13918.2	13967.8	14410.6	15069.7	15665.4	15993.0	15627.6	14899.0	14059.1	13747.4	13775.2
52.5°	14166.3	14229.9	14658.7	15345.7	16050.6	16578.7	16356.3	15627.6	14797.7	14493.9	14527.7
55°	13993.6	14041.2	14555.4	15407.2	16288.8	16940.0	16973.8	16340.4	15522.4	15256.3	15351.6
57.5°	13207.4	13266.9	13894.3	15010.1	16318.6	17184.3	17438.4	17001.6	16199.4	15983.0	16038.6
60°	11978.3	12016.0	12685.2	13940.0	15738.8	17285.5	17734.2	17541.6	16862.6	16646.2	16721.7
62.5°	9788.3	9843.9	10644.1	12325.8	14513.8	16985.7	18020.1	17988.4	17480.1	17281.5	17349.0
65°	6691.0	6788.3	7673.8	9800.3	12625.6	16068.5	18280.2	18508.5	18026.1	17775.9	17865.2
67.5°	4040.4	4111.9	4753.2	6470.6	9661.3	14217.9	18012.2	19100.2	18411.3	18008.2	18081.7
68°	3611.6	3677.1	4213.2	5839.2	8936.6	13695.8	17768.0	19167.7	18452.9	18004.2	18069.8
70°	2182.1	2225.7	2585.0	3609.6	5958.4	10864.5	16102.2	19112.1	18719.0	18059.8	18097.5
72.5°	1421.6	1435.5	1495.0	1852.5	3043.7	6075.6	12085.5	17809.7	19118.1	18383.4	18377.5
75°	1181.4	1173.4	1179.3	1221.1	1501.0	2664.5	7062.3	14069.1	18224.6	17873.2	17748.1
77.5°	998.7	992.8	990.8	992.8	1004.7	1286.6	3065.5	8763.9	13945.9	15810.3	15921.5
80°	808.1	800.1	825.9	814.1	778.3	800.1	1284.6	3645.3	6573.9	7072.2	6627.5
82.5°	587.7	557.9	669.1	637.4	607.6	563.9	708.8	1177.4	1568.5	1076.1	756.5
85°	452.7	420.9	508.3	488.4	417.0	287.8	420.9	575.8	635.3	363.3	285.9
87.5°	184.6	194.6	367.3	289.9	244.3	139.0	172.7	230.3	309.7	154.8	119.1
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)