

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: P382654

Luminaire Tested: **GLEON-SA0C-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382654
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-SA0C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 68510.6 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

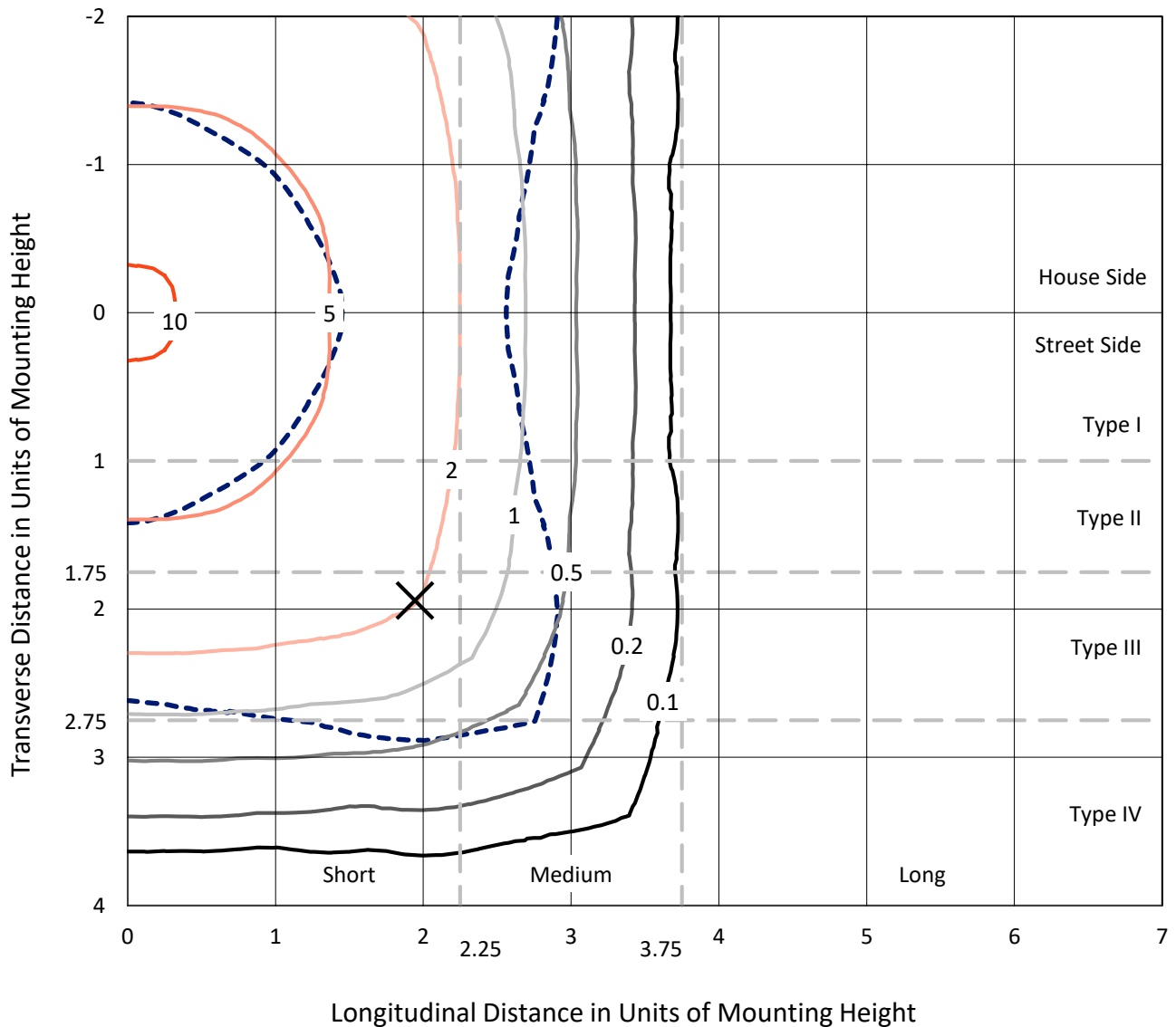
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

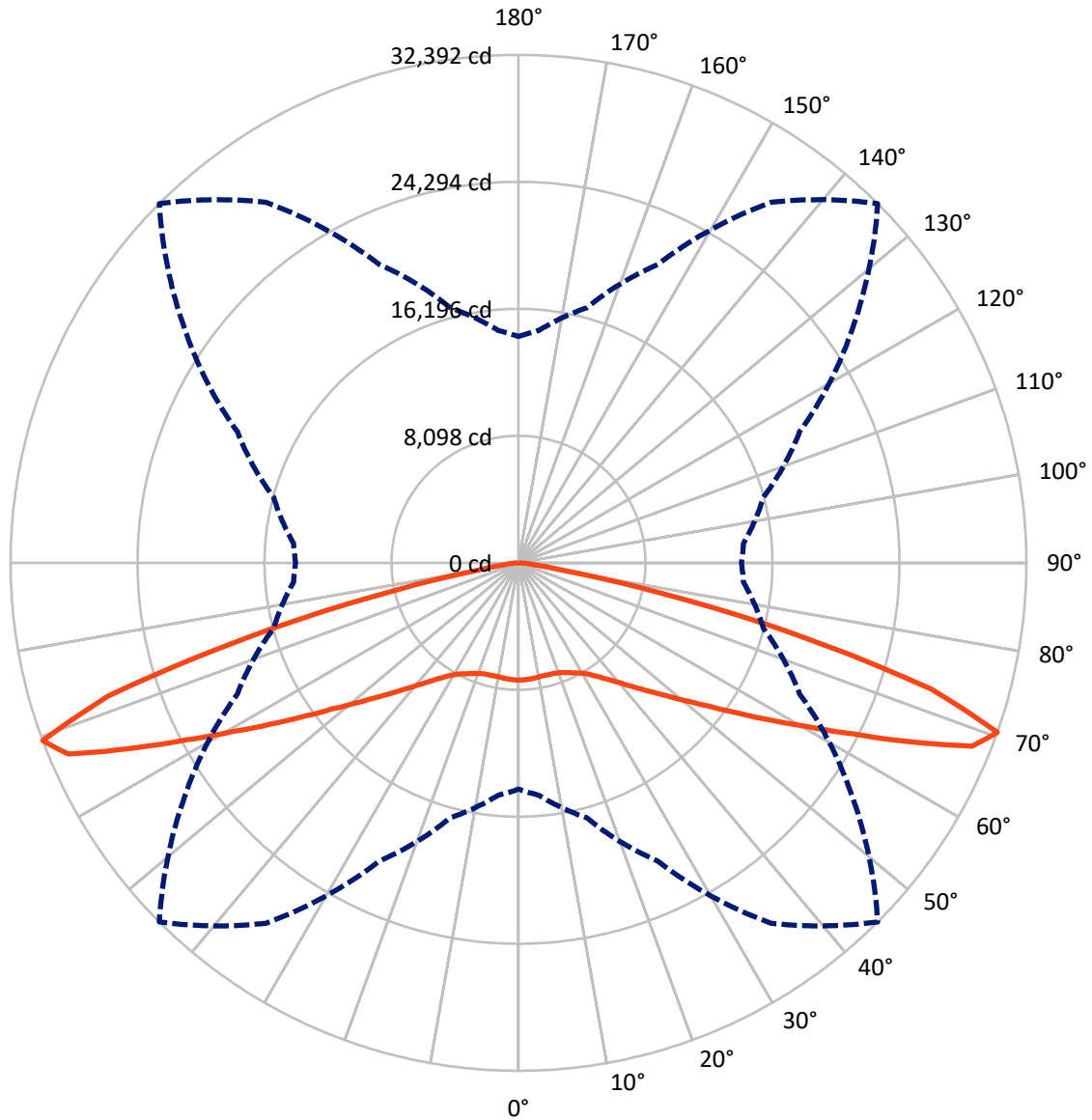
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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	34255.3	0.0	34255.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	34255.3	0.0	34255.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	68510.6	0.0	68510.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.7	1.0
10°-20°	2080.5	3.0
20°-30°	3541.6	5.2
30°-40°	5617.0	8.2
40°-50°	9140.5	13.3
50°-60°	15071.1	22.0
60°-70°	22124.8	32.3
70°-80°	9783.5	14.3
80°-90°	443.0	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°	68510.6	100.0
0°-180°	68510.6	100.0



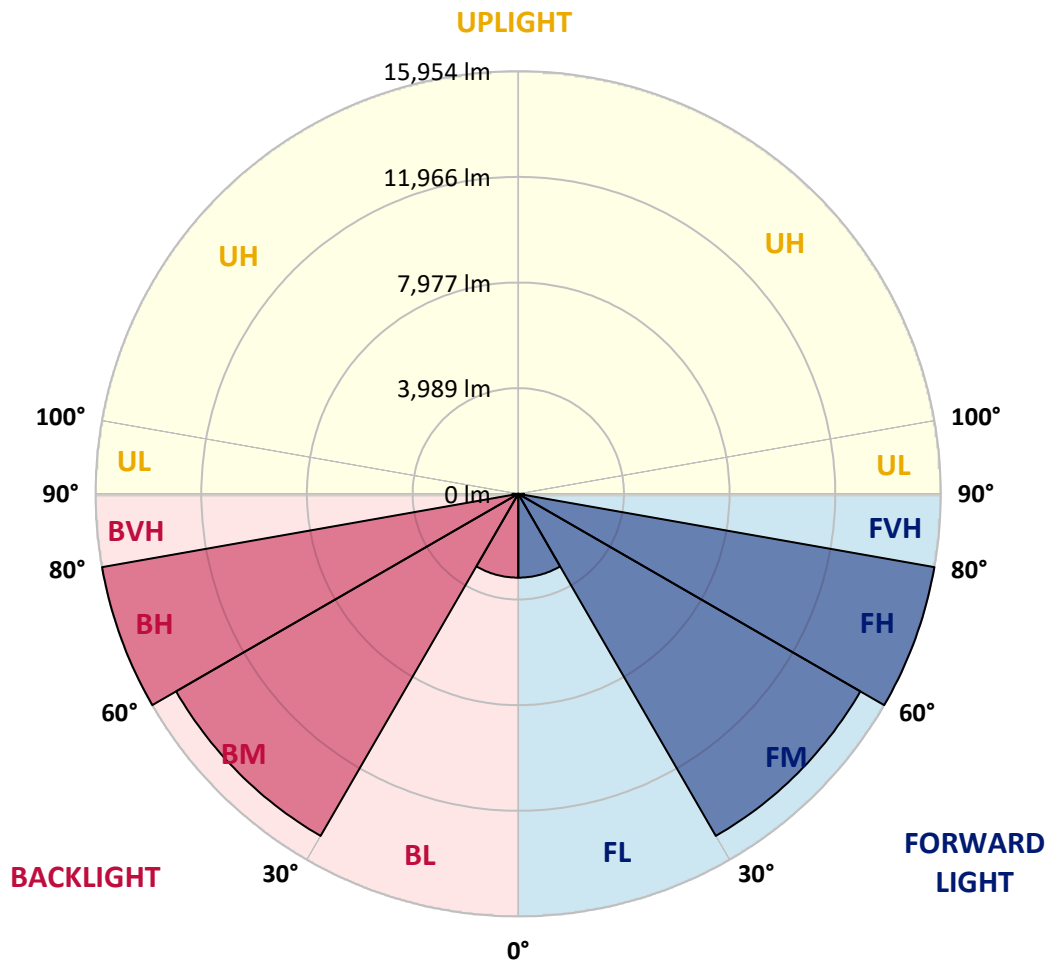
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3165.4	4.6			
FM (30°-60°)	14914.3	21.8			
FH (60°-80°)	15954.2	23.3			G5
FVH (80°-90°)	221.5	0.3			G2/225
BL (0°-30°)	3165.4	4.6	B4/5000		
BM (30°-60°)	14914.3	21.8	B5		
BH (60°-80°)	15954.2	23.3	B5		G5
BVH (80°-90°)	221.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7482.5	7482.5	7482.5	7482.5	7482.5	7482.5	7482.5	7482.5	7482.5	7482.5	7482.5
2.5°	7471.1	7464.3	7480.1	7477.9	7464.3	7466.5	7466.5	7473.3	7473.3	7468.9	7468.9
5°	7443.9	7439.3	7457.5	7457.5	7443.9	7448.4	7452.9	7459.7	7457.5	7452.9	7450.7
7.5°	7409.9	7407.6	7425.7	7425.7	7416.7	7421.2	7416.7	7418.9	7414.4	7409.9	7403.1
10°	7353.2	7357.7	7373.6	7378.1	7378.1	7380.4	7375.9	7364.5	7357.7	7350.9	7344.1
12.5°	7301.0	7298.8	7321.4	7332.8	7350.9	7371.3	7357.7	7326.0	7312.4	7298.8	7294.2
15°	7267.0	7269.3	7292.0	7312.4	7344.1	7387.2	7371.3	7321.4	7294.2	7278.4	7273.8
17.5°	7260.2	7264.8	7294.2	7330.5	7364.5	7412.1	7403.1	7353.2	7307.8	7278.4	7271.6
20°	7276.1	7278.4	7323.7	7375.9	7434.8	7480.1	7459.7	7405.3	7344.1	7298.8	7287.4
22.5°	7305.6	7314.6	7371.3	7452.9	7543.7	7604.9	7579.9	7486.9	7391.7	7335.0	7319.2
25°	7398.5	7400.8	7477.9	7589.0	7697.8	7768.1	7738.6	7607.1	7484.7	7421.2	7400.8
27.5°	7591.3	7598.1	7675.2	7804.4	7897.4	7942.7	7924.6	7818.0	7713.7	7645.7	7652.5
30°	7870.2	7879.2	7965.4	8108.2	8164.9	8176.3	8171.7	8121.9	8026.6	7935.9	7942.7
32.5°	8210.3	8214.8	8330.5	8459.7	8505.0	8514.1	8505.0	8459.7	8346.3	8223.9	8230.7
35°	8647.8	8661.4	8772.6	8897.3	8933.5	8951.7	8935.9	8876.9	8759.0	8638.8	8634.2
37.5°	9187.5	9189.8	9305.4	9434.6	9480.0	9484.6	9466.4	9427.8	9280.4	9171.6	9164.8
40°	9813.3	9822.4	9958.4	10096.8	10114.9	10094.4	10119.4	10096.8	9944.8	9820.1	9840.5
42.5°	10575.2	10595.6	10758.8	10894.9	10842.7	10831.4	10847.2	10854.0	10731.6	10579.7	10566.1
45°	11461.8	11479.8	11683.9	11792.7	11758.7	11683.9	11715.7	11770.1	11600.0	11411.8	11430.0
47.5°	12473.0	12518.3	12736.0	12838.0	12754.1	12652.1	12713.3	12795.0	12595.5	12361.9	12350.6
50°	13597.6	13654.3	13944.5	14087.4	14003.5	13815.3	13917.3	13971.7	13683.8	13382.2	13357.3
52.5°	14797.1	14853.8	15218.8	15513.5	15459.1	15166.6	15309.5	15252.8	14921.8	14515.9	14484.2
55°	16155.3	16177.9	16572.4	17048.6	17103.0	16887.7	16878.5	16785.6	16295.8	15826.4	15803.8
57.5°	17551.9	17567.9	18078.0	18640.4	18896.5	18896.5	18642.6	18445.3	17794.6	17250.4	17193.8
60°	19059.8	19116.5	19681.1	20445.1	21043.8	21220.7	20771.6	20234.3	19526.9	18862.5	18796.8
62.5°	20402.1	20467.9	21331.7	22470.0	23431.3	24075.3	22977.8	22102.6	20814.8	19749.1	19624.4
65°	20572.1	20749.0	22007.4	24068.5	26220.3	27505.9	25401.7	23245.4	20898.6	19418.0	19291.0
67.5°	18787.7	19087.0	20787.6	23995.9	28442.3	31201.7	26950.3	22592.5	19393.1	17756.0	17615.5
70°	14436.6	14871.9	16833.2	20989.4	28059.1	32392.1	25979.9	19778.5	16168.9	14407.0	14209.8
72.5°	7920.0	8099.2	9863.2	14373.0	22494.9	27526.3	21669.6	14624.7	10722.6	8725.0	8393.9
75°	2512.3	2575.7	3473.6	5881.6	12724.7	18232.2	13765.4	7178.6	3952.1	2913.6	2879.6
77.5°	1115.5	1122.3	1256.1	1716.5	4382.9	9237.4	5264.9	1954.5	1346.8	1176.8	1215.3
80°	705.2	705.2	777.7	850.3	1192.7	2682.3	1424.0	929.6	793.6	736.9	752.8
82.5°	337.9	374.1	505.6	544.2	655.3	902.4	730.1	607.6	530.6	394.5	367.3
85°	222.2	185.9	319.7	360.5	380.9	433.1	424.0	401.3	346.9	197.3	219.9
87.5°	99.8	95.2	165.5	151.9	142.8	108.8	163.2	201.8	195.0	97.5	97.5
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)