

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: P382655

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
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-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67274.5 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

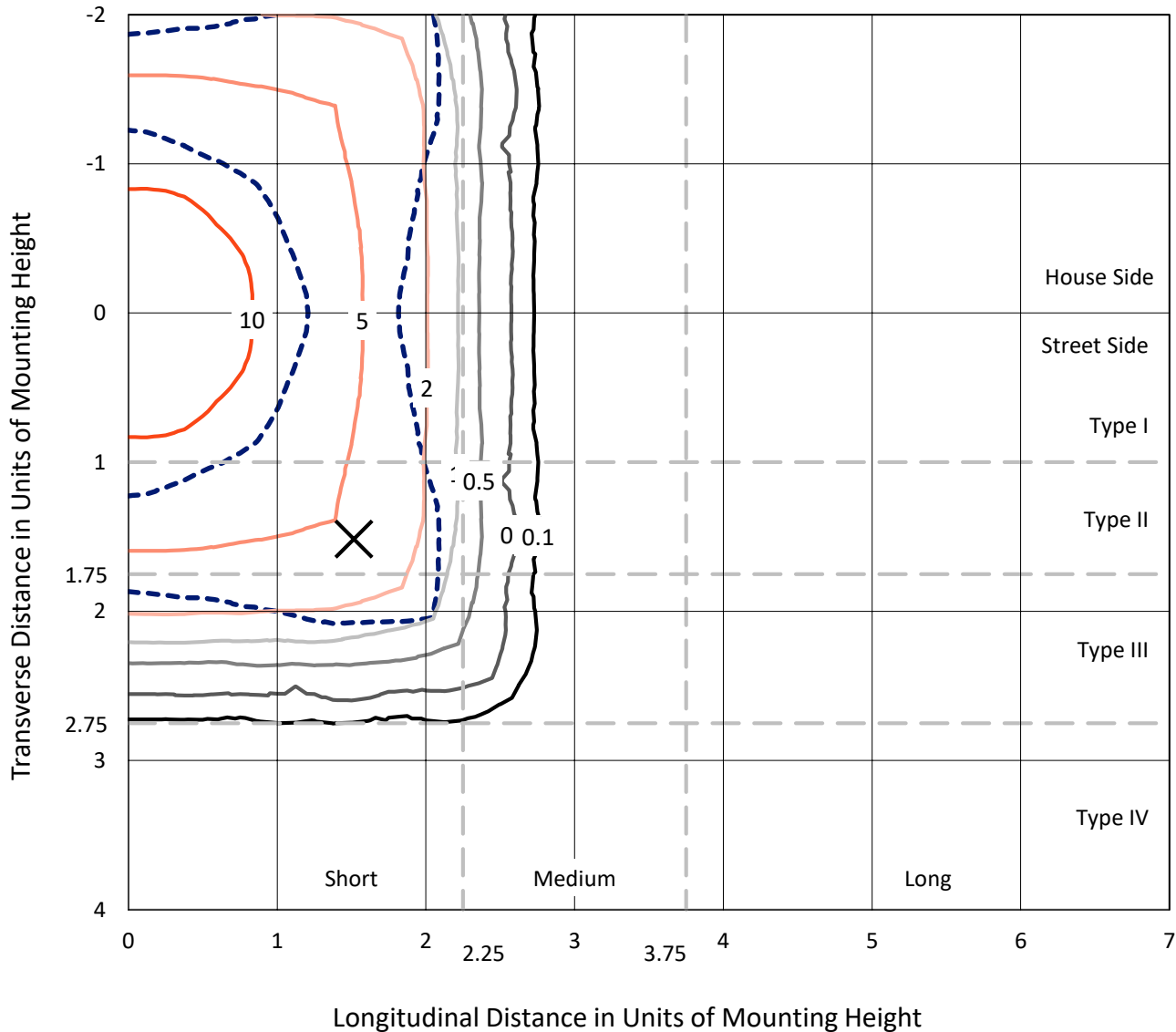
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

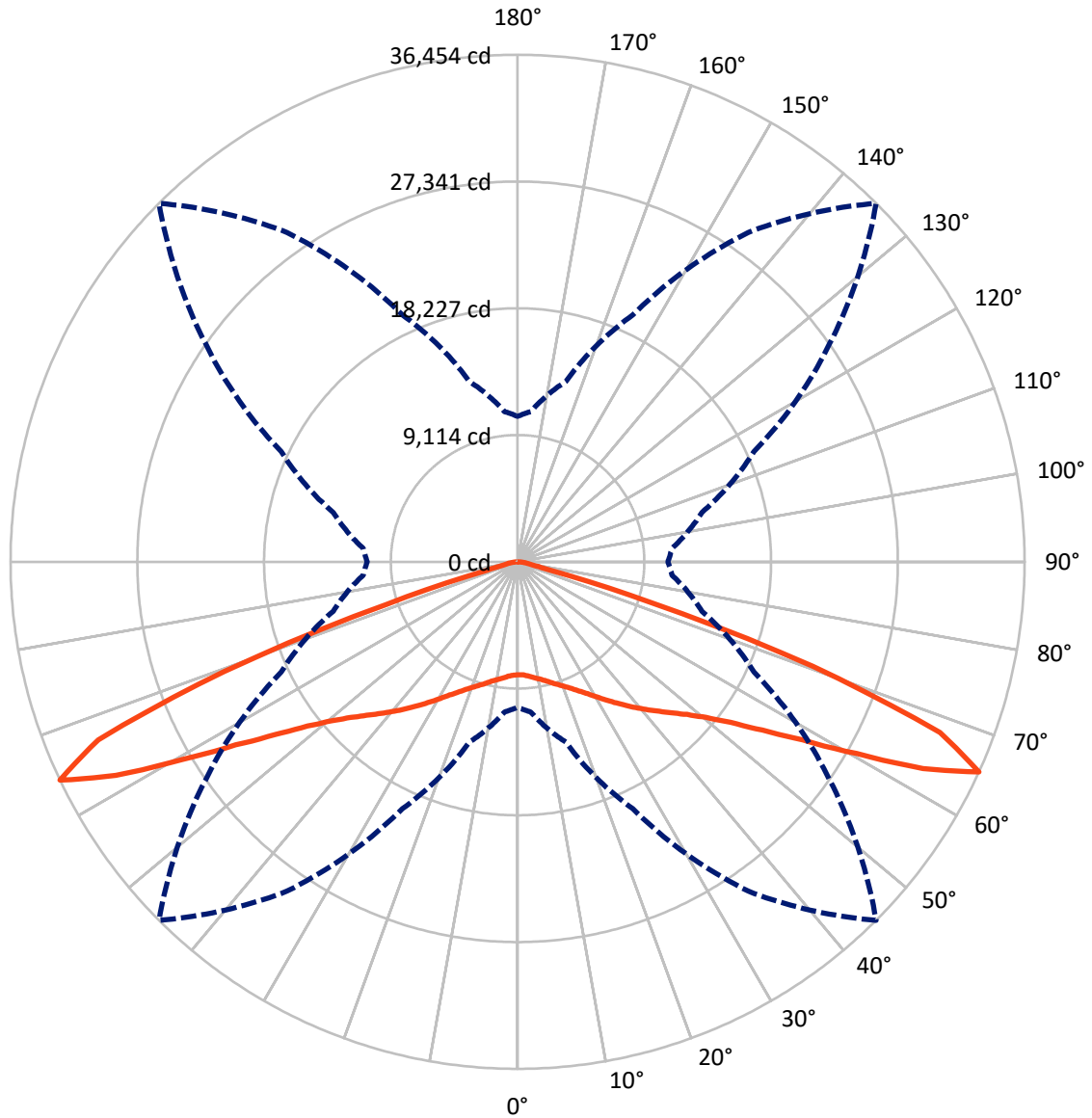
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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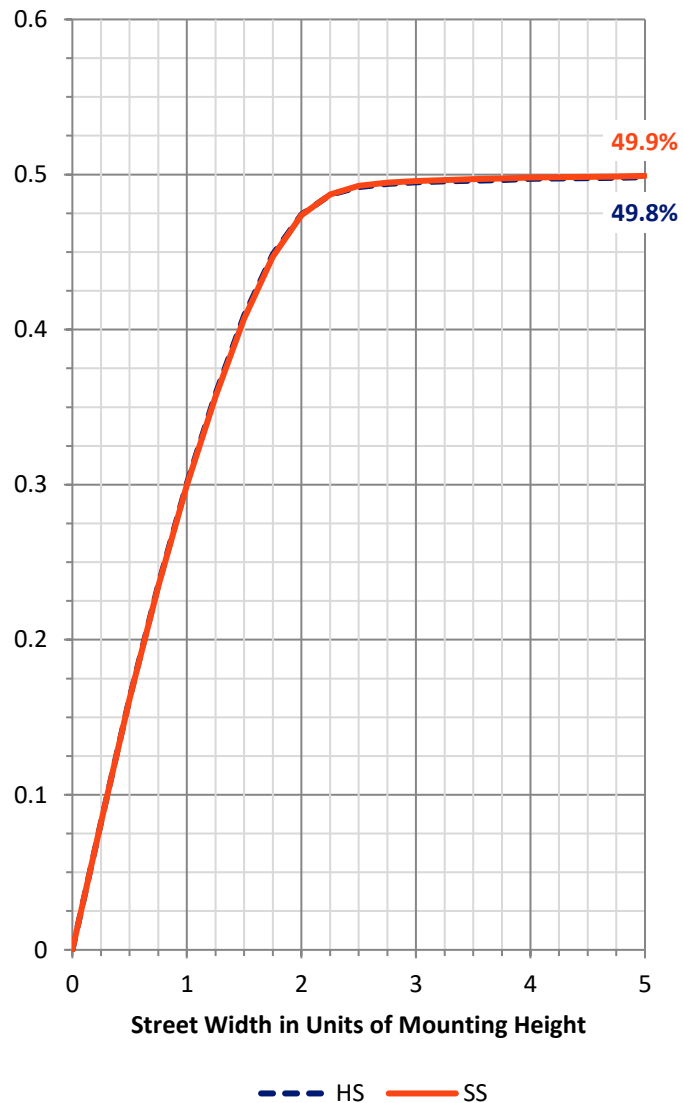
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33637.2	0.0	33637.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33637.2	0.0	33637.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	67274.5	0.0	67274.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.1	1.2
10°-20°	2562.1	3.8
20°-30°	4807.0	7.1
30°-40°	7949.7	11.8
40°-50°	12313.1	18.3
50°-60°	18884.8	28.1
60°-70°	17621.7	26.2
70°-80°	2050.9	3.0
80°-90°	288.2	0.4
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°	67274.5	100.0
0°-180°	67274.5	100.0

Coefficient of Utilization



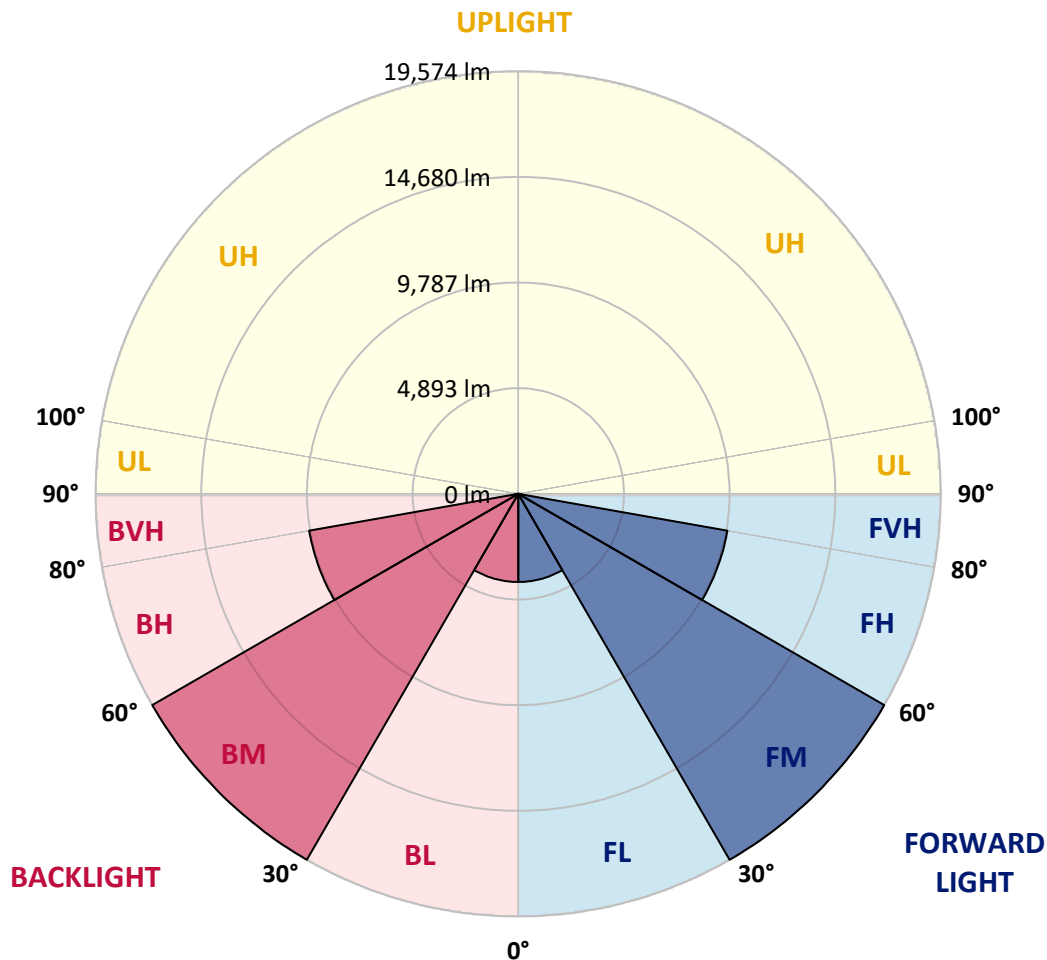
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4083.1	6.1			
FM (30°-60°)	19573.8	29.1			
FH (60°-80°)	9836.3	14.6			G4/12000
FVH (80°-90°)	144.1	0.2			G2/225
BL (0°-30°)	4083.1	6.1	B4/5000		
BM (30°-60°)	19573.8	29.1	B5		
BH (60°-80°)	9836.3	14.6	B5		G4/12000
BVH (80°-90°)	144.1	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8124.2	8124.2	8124.2	8124.2	8124.2	8124.2	8124.2	8124.2	8124.2	8124.2	8124.2
2.5°	8151.0	8146.6	8151.0	8153.3	8139.9	8146.6	8144.3	8155.5	8160.0	8155.5	8155.5
5°	8244.8	8238.1	8247.1	8258.3	8240.4	8244.8	8238.1	8251.6	8256.0	8247.1	8253.8
7.5°	8374.3	8376.6	8385.5	8405.6	8394.5	8403.4	8390.0	8392.2	8390.0	8376.6	8378.8
10°	8515.1	8517.3	8532.9	8559.7	8564.2	8564.2	8555.2	8548.5	8539.6	8530.6	8532.9
12.5°	8684.8	8695.9	8707.1	8740.6	8740.6	8758.5	8754.0	8736.1	8720.5	8707.1	8707.1
15°	8914.8	8912.6	8926.0	8959.4	8975.1	9004.2	9004.2	8979.6	8959.4	8946.0	8941.6
17.5°	9156.0	9162.7	9171.6	9211.8	9236.4	9269.8	9274.3	9254.3	9240.9	9223.0	9211.8
20°	9437.3	9448.5	9484.3	9499.9	9522.2	9553.5	9564.7	9560.2	9546.8	9537.8	9540.1
22.5°	9765.6	9794.7	9817.0	9839.3	9866.1	9888.5	9899.6	9915.2	9901.9	9895.2	9890.7
25°	10163.1	10183.2	10227.9	10268.1	10286.0	10292.7	10306.1	10328.3	10326.1	10310.6	10310.6
27.5°	10614.2	10652.2	10708.0	10766.1	10766.1	10743.7	10788.4	10826.4	10812.9	10792.9	10766.1
30°	11161.3	11197.1	11261.9	11342.2	11302.0	11286.4	11346.7	11415.9	11395.8	11362.4	11357.9
32.5°	11750.9	11784.4	11869.2	11956.3	11905.0	11882.6	11947.5	12047.9	12012.2	11945.2	11905.0
35°	12389.6	12423.1	12543.7	12648.6	12561.5	12523.5	12577.2	12686.6	12624.1	12499.0	12467.7
37.5°	13084.1	13101.9	13258.3	13365.5	13305.2	13204.7	13271.7	13352.1	13298.5	13146.7	13086.4
40°	13805.4	13870.2	14051.1	14176.1	14071.1	13912.6	14024.3	14136.0	14055.6	13861.2	13758.5
42.5°	14647.3	14696.5	14937.6	15049.2	14879.6	14656.2	14808.1	14960.0	14879.6	14692.0	14602.7
45°	15522.8	15598.7	15886.7	15998.4	15752.7	15469.1	15654.5	15920.2	15913.5	15643.3	15549.5
47.5°	16476.3	16552.2	16896.1	17043.5	16777.7	16398.1	16659.4	17034.6	17007.7	16710.8	16634.8
50°	17577.2	17657.6	18086.4	18271.7	18023.9	17581.7	17974.8	18305.3	18256.1	17889.9	17896.6
52.5°	18959.6	18955.1	19488.8	19810.4	19555.8	19165.0	19526.8	19848.4	19645.1	19138.2	19122.6
55°	20170.0	20243.6	20904.7	21514.3	21498.6	21349.0	21494.2	21507.6	20926.9	20252.6	20170.0
57.5°	20964.9	21105.6	22036.9	23140.0	23966.3	24165.1	23883.7	23030.7	21670.6	20592.0	20460.2
60°	20475.9	20690.2	22152.9	24401.8	26835.9	28003.9	26416.1	23769.8	21092.2	19589.3	19410.7
62.5°	17175.2	17537.0	19678.7	23792.1	29305.8	32720.3	28251.8	22584.0	18792.1	16721.9	16416.0
65°	10460.2	10842.0	13423.5	19582.6	28906.1	36454.2	27414.3	18745.2	13716.1	11141.2	10810.7
67.5°	3485.9	3597.6	5118.4	10824.1	22717.9	32753.8	22755.9	11221.6	5969.3	3957.1	3841.1
70°	1364.4	1375.6	1623.5	3137.6	10728.1	22496.9	11838.0	3193.4	1697.2	1342.2	1371.1
72.5°	1002.7	1007.2	1076.4	1310.9	2795.9	9910.7	2896.4	1317.6	1047.3	940.1	940.1
75°	806.2	806.2	855.3	955.8	1252.8	2273.3	1270.6	944.6	819.6	750.4	741.4
77.5°	636.4	649.8	687.9	752.6	848.6	1094.3	879.8	748.1	661.0	596.3	582.9
80°	473.4	486.8	549.3	580.6	609.7	759.3	649.8	585.1	522.6	446.7	433.3
82.5°	310.4	323.8	402.0	419.8	413.1	495.8	437.7	431.0	384.1	288.0	274.7
85°	203.3	207.6	268.0	279.2	256.8	225.5	279.2	294.7	268.0	187.6	180.9
87.5°	96.0	96.0	136.2	127.2	116.2	93.8	127.2	149.6	151.8	91.6	89.3
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)