

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: P383555

Luminaire Tested: **GLEON-SA8C-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383555
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-SA8C-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53978.5 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

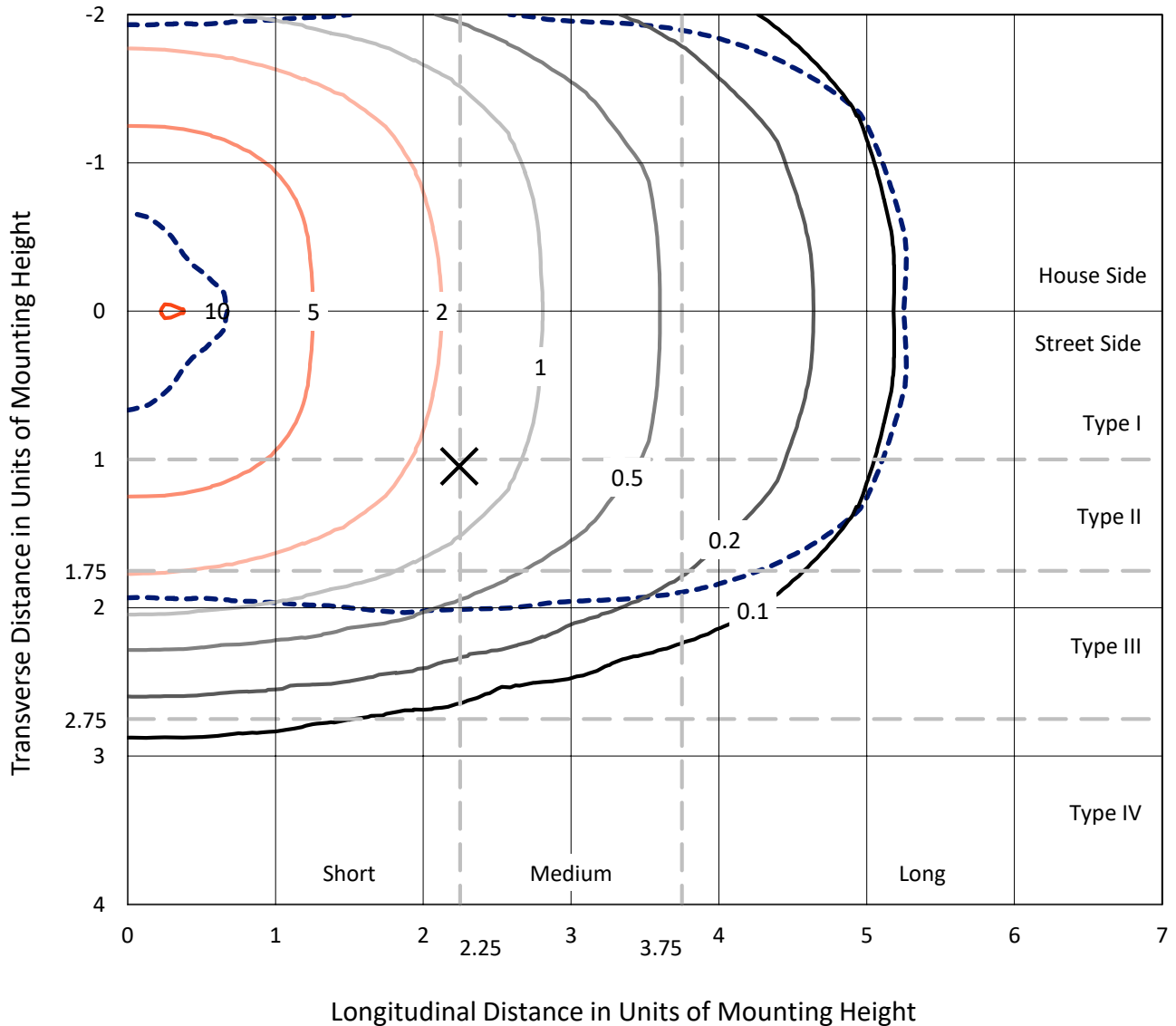
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

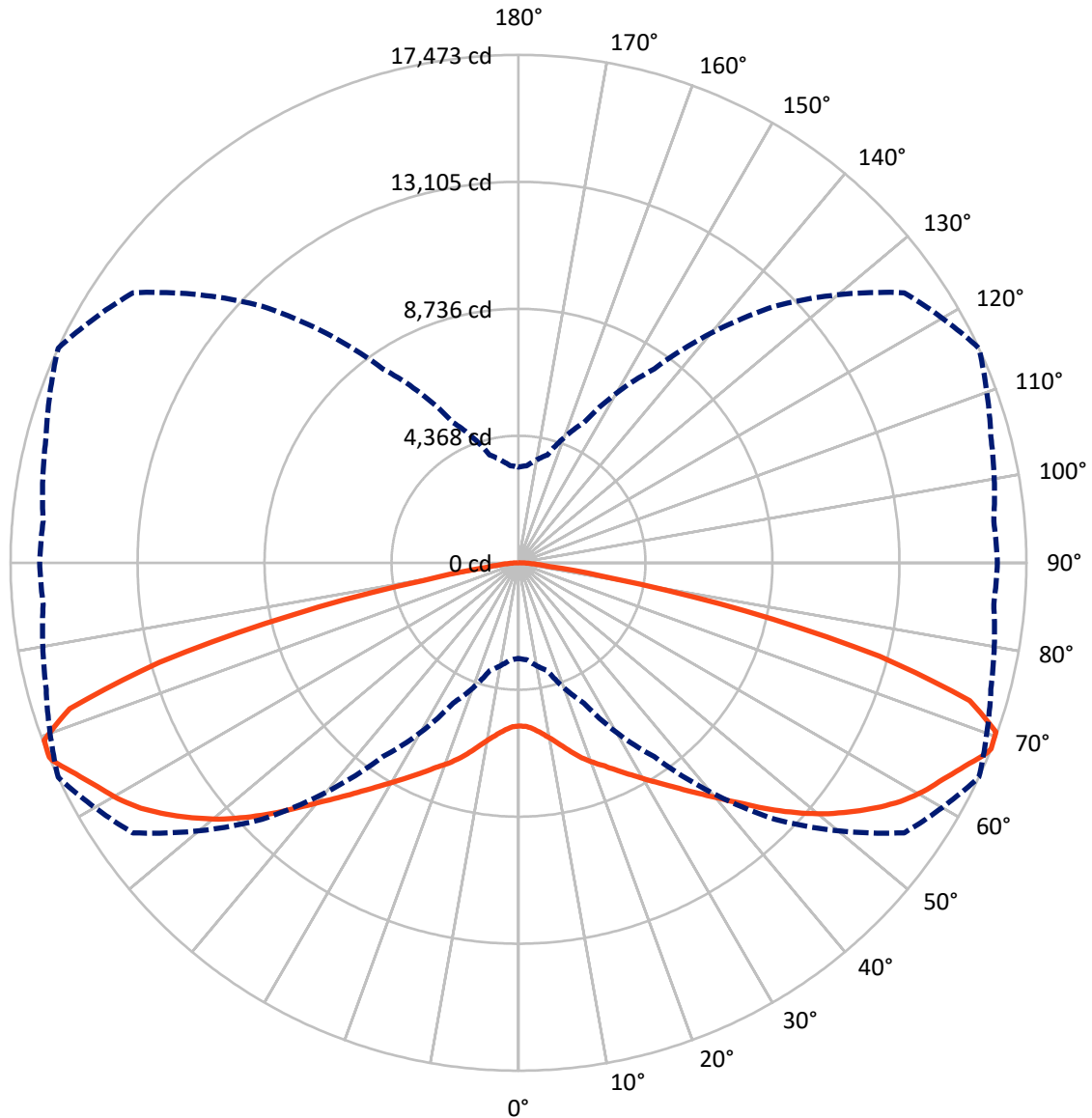
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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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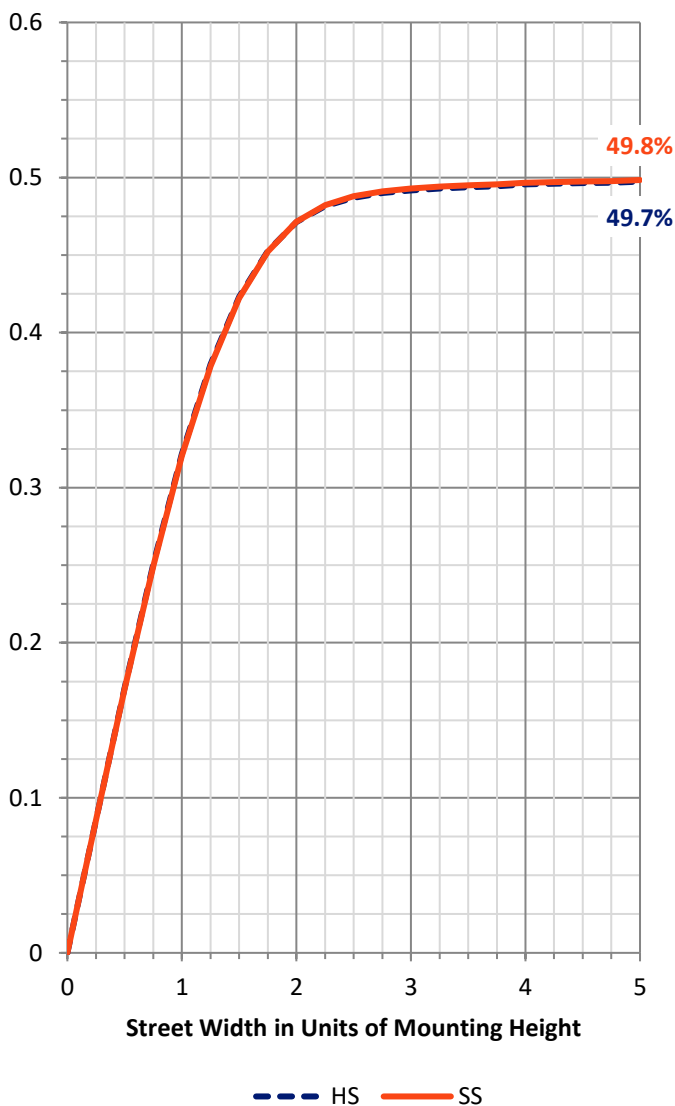
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26989.3	0.0	26989.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26989.3	0.0	26989.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	53978.5	0.0	53978.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.5	1.0
10°-20°	1840.0	3.4
20°-30°	3587.5	6.6
30°-40°	6026.7	11.2
40°-50°	9495.9	17.6
50°-60°	12699.1	23.5
60°-70°	12345.1	22.9
70°-80°	6748.5	12.5
80°-90°	686.3	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°	53978.5	100.0
0°-180°	53978.5	100.0

Coefficient of Utilization



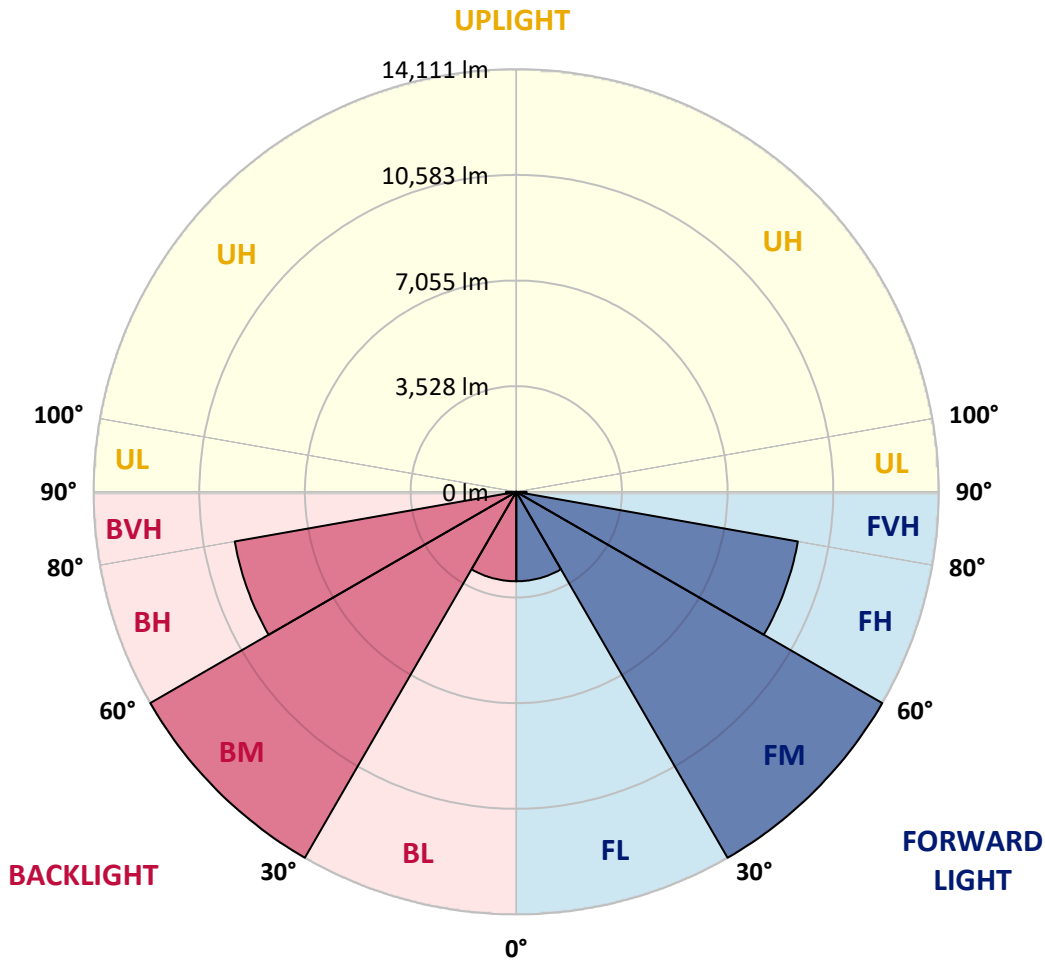
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2988.5	5.5			
FM (30°-60°)	14110.8	26.1			
FH (60°-80°)	9546.8	17.7			G4/12000
FVH (80°-90°)	343.2	0.6			G3/500
BL (0°-30°)	2988.5	5.5	B4/5000		
BM (30°-60°)	14110.8	26.1	B5		
BH (60°-80°)	9546.8	17.7	B5		G5
BVH (80°-90°)	343.2	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°	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5
2.5°	5572.7	5574.5	5583.5	5594.4	5603.4	5627.0	5632.4	5641.5	5645.1	5654.1	5654.1
5°	5523.8	5527.4	5549.1	5578.1	5610.7	5668.6	5710.2	5757.2	5780.8	5806.1	5804.4
7.5°	5518.4	5527.4	5558.2	5605.2	5659.5	5755.5	5842.4	5936.5	5999.8	6057.8	6054.1
10°	5574.5	5589.0	5632.4	5703.0	5784.4	5903.9	6032.4	6159.1	6269.5	6358.2	6361.8
12.5°	5659.5	5677.7	5746.4	5853.2	5976.3	6130.1	6282.2	6425.2	6577.2	6709.3	6720.2
15°	5771.8	5795.3	5898.5	6057.8	6245.9	6428.8	6591.6	6738.3	6913.9	7096.6	7114.7
17.5°	5938.2	5970.8	6106.6	6321.9	6569.9	6770.9	6941.0	7051.3	7198.0	7386.2	7420.6
20°	6191.6	6233.3	6405.2	6662.2	6964.5	7174.4	7304.7	7328.3	7400.7	7569.0	7608.8
22.5°	6521.0	6557.3	6749.2	7055.0	7393.4	7621.5	7690.3	7596.1	7588.9	7724.7	7762.7
25°	6888.5	6921.0	7143.7	7487.6	7851.4	8102.9	8101.1	7918.3	7791.7	7896.5	7936.4
27.5°	7301.1	7351.8	7565.4	7927.4	8316.5	8564.5	8549.9	8267.6	8026.9	8054.1	8088.4
30°	7775.3	7831.4	8039.5	8406.9	8796.1	9038.6	9020.5	8647.7	8285.7	8213.4	8238.7
32.5°	8363.5	8430.5	8627.8	8989.8	9333.6	9552.6	9500.2	9060.3	8597.0	8439.5	8463.1
35°	9071.2	9111.0	9319.2	9675.7	9954.4	10104.7	9994.3	9538.2	8991.6	8801.5	8801.5
37.5°	9788.0	9818.7	10052.1	10397.8	10667.5	10747.2	10531.8	10061.3	9507.4	9237.7	9243.2
40°	10475.7	10558.9	10821.4	11176.1	11442.2	11463.9	11177.9	10658.5	10081.1	9802.4	9835.0
42.5°	11194.2	11275.6	11588.8	11990.6	12225.9	12262.1	11927.3	11328.2	10729.1	10502.8	10539.1
45°	11834.9	11900.1	12262.1	12729.0	13022.2	13116.4	12720.0	12095.6	11429.5	11208.7	11217.8
47.5°	12282.0	12367.0	12765.2	13315.4	13742.6	13887.3	13498.2	12843.1	12119.1	11851.2	11874.7
50°	12687.4	12732.7	13136.2	13737.2	14280.1	14578.7	14245.7	13581.5	12815.9	12531.7	12557.1
52.5°	12913.7	12971.5	13362.5	13988.7	14631.3	15112.7	14910.0	14245.7	13489.2	13212.2	13243.1
55°	12756.1	12799.7	13268.4	14044.9	14848.4	15442.1	15472.8	14895.4	14149.8	13907.3	13994.2
57.5°	12039.4	12093.7	12665.7	13682.9	14875.6	15664.7	15896.3	15498.2	14767.0	14569.7	14620.4
60°	10919.1	10953.5	11563.5	12707.3	14347.0	15756.9	16166.0	15990.5	15371.5	15174.2	15243.0
62.5°	8922.8	8973.5	9702.9	11235.9	13230.4	15483.7	16426.6	16397.7	15934.3	15753.4	15814.9
65°	6099.4	6188.1	6995.3	8933.6	11509.2	14647.5	16663.7	16871.9	16432.0	16204.0	16285.5
67.5°	3683.2	3748.3	4332.9	5898.5	8806.9	12960.7	16419.4	17411.2	16783.2	16415.8	16482.7
68°	3292.2	3351.9	3840.6	5323.0	8146.4	12484.7	16196.8	17472.8	16821.2	16412.2	16471.9
70°	1989.0	2028.9	2356.4	3290.4	5431.5	9903.7	14678.3	17422.1	17063.7	16462.9	16497.2
72.5°	1295.9	1308.5	1362.9	1688.6	2774.6	5538.3	11016.9	16234.8	17427.5	16757.9	16752.4
75°	1076.9	1069.7	1075.1	1113.1	1368.3	2428.9	6437.8	12825.0	16613.0	16292.7	16178.7
77.5°	910.4	904.9	903.1	904.9	915.8	1172.8	2794.5	7988.9	12712.7	14412.3	14513.6
80°	736.7	729.4	752.9	742.1	709.5	729.4	1171.0	3323.0	5992.6	6446.9	6041.5
82.5°	535.7	508.6	610.0	581.0	553.8	514.0	646.1	1073.2	1429.8	980.9	689.5
85°	412.7	383.7	463.4	445.3	380.1	262.4	383.7	524.8	579.1	331.2	260.6
87.5°	168.3	177.4	334.8	264.3	222.6	126.7	157.4	210.0	282.4	141.1	108.6
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)