

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: P383550

Luminaire Tested: **GLEON-SA8C-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383550
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-SA8C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 55472.7 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

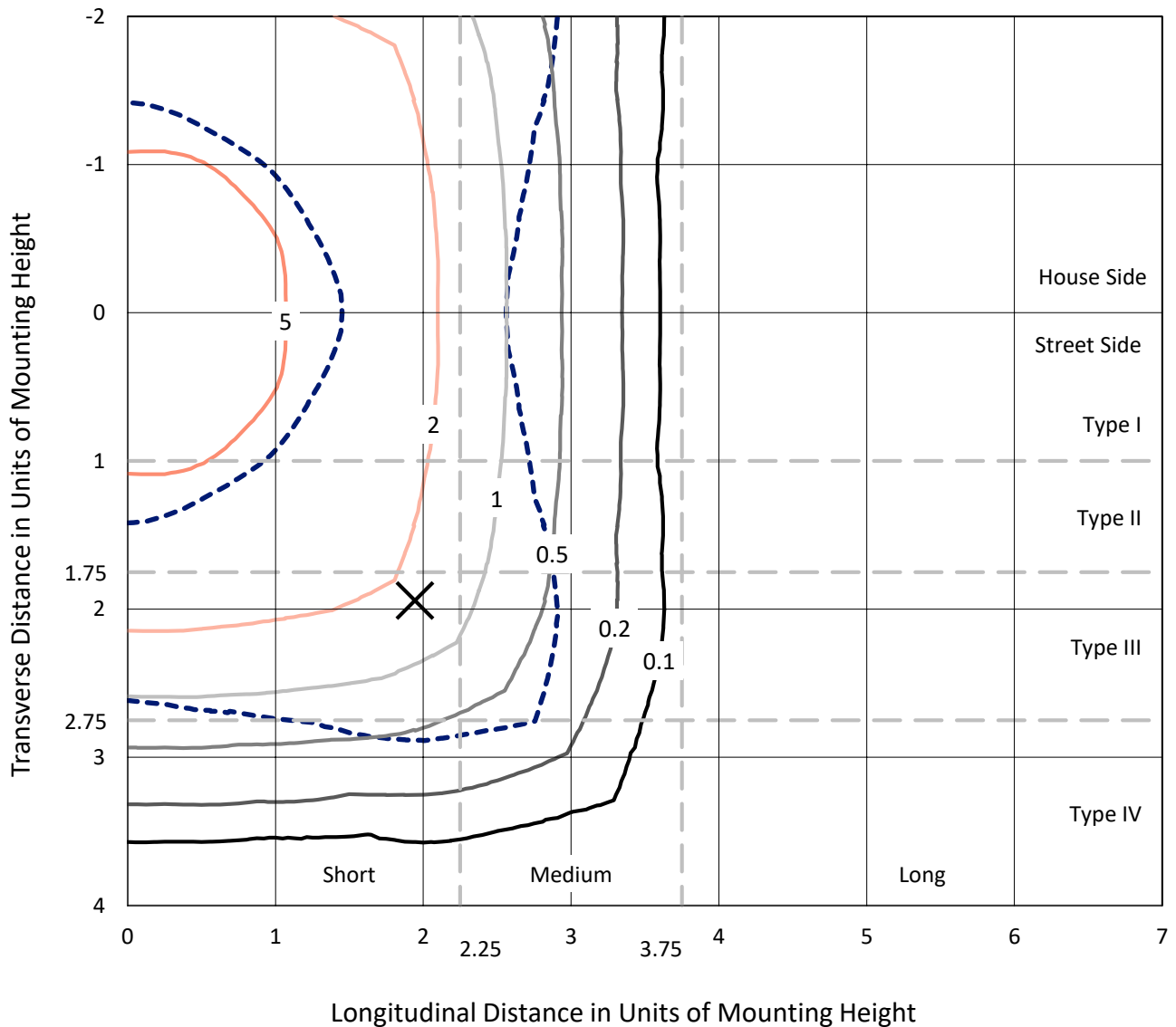
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

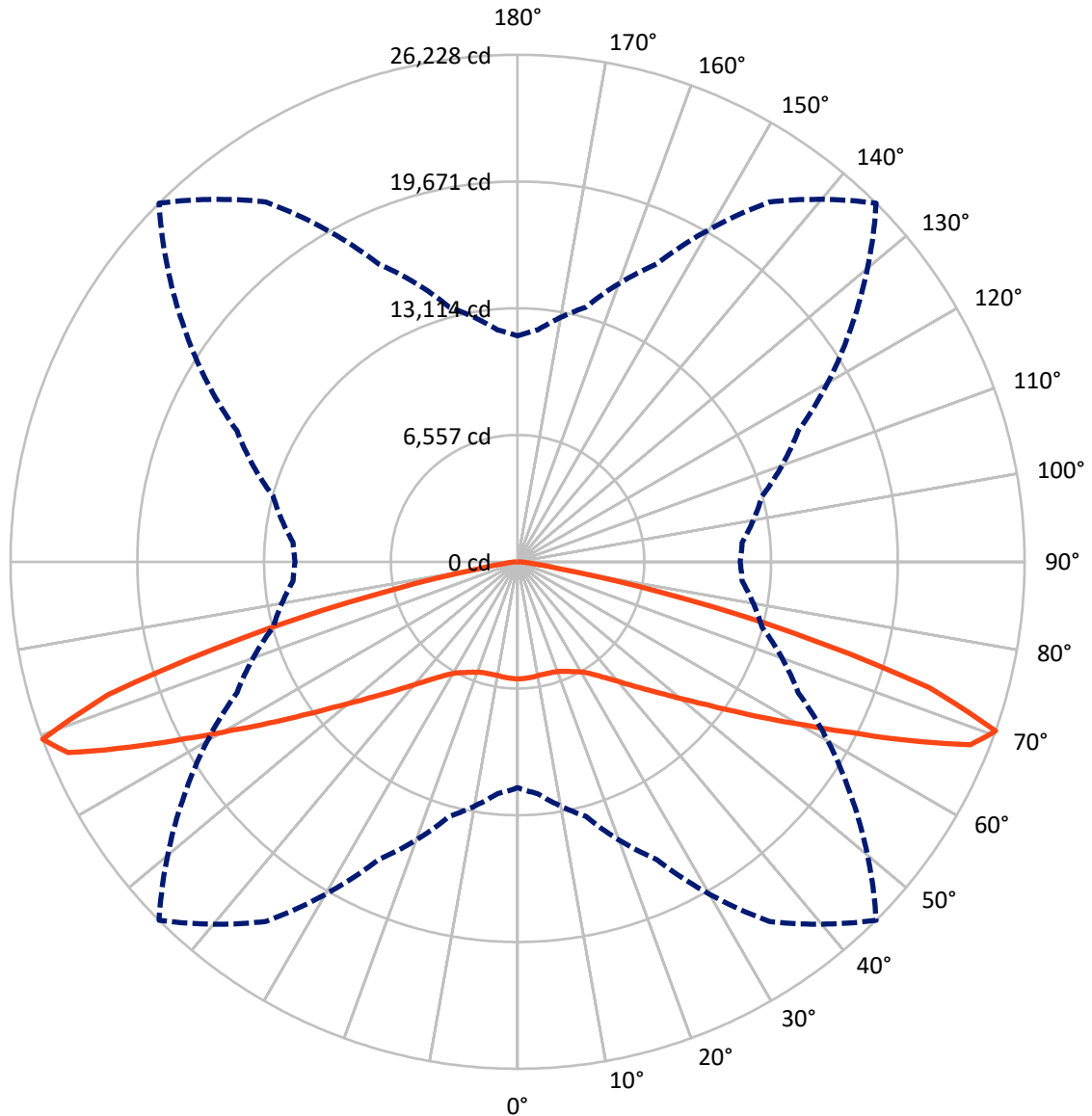
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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	27736.4	0.0	27736.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27736.4	0.0	27736.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	55472.7	0.0	55472.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.8	1.0
10°-20°	1684.5	3.0
20°-30°	2867.6	5.2
30°-40°	4548.0	8.2
40°-50°	7401.0	13.3
50°-60°	12203.0	22.0
60°-70°	17914.3	32.3
70°-80°	7921.7	14.3
80°-90°	358.7	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°	55472.7	100.0
0°-180°	55472.7	100.0

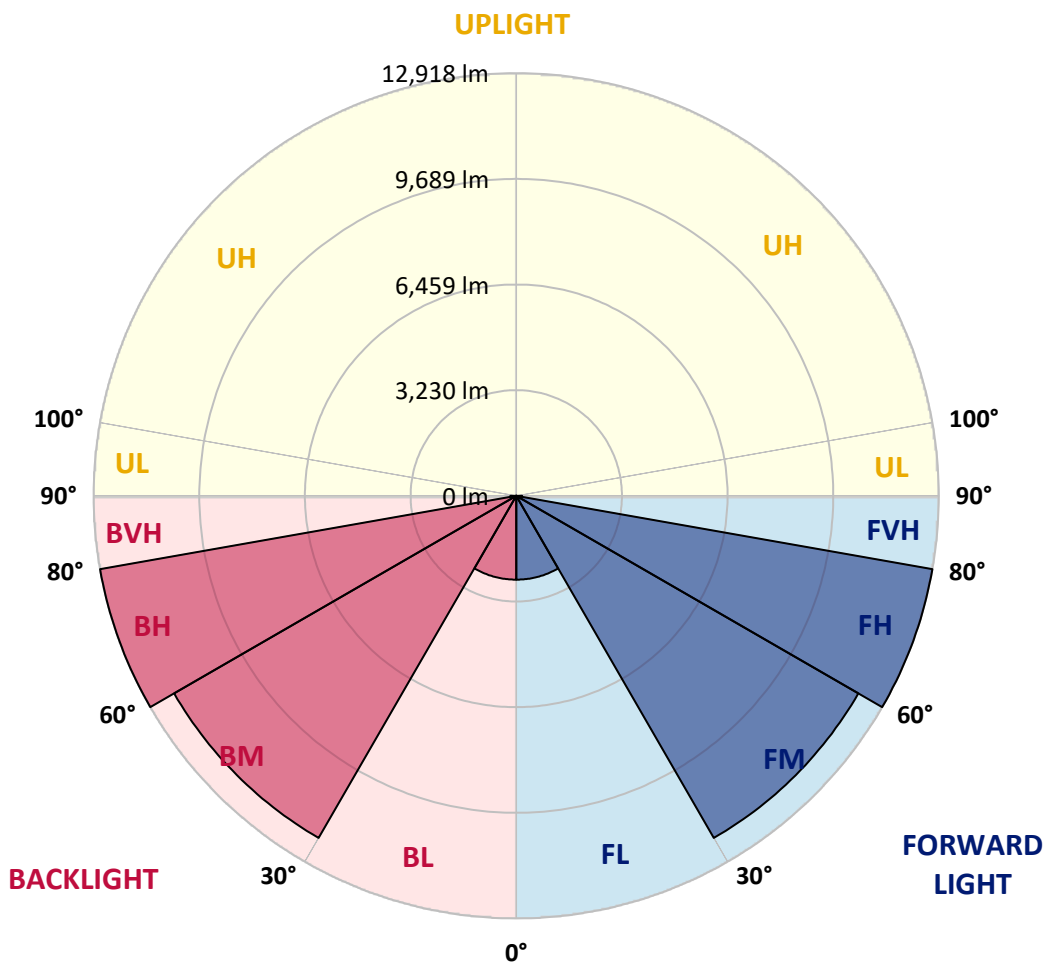


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2563.0	4.6			
FM (30°-60°)	12076.0	21.8			
FH (60°-80°)	12918.0	23.3			G5
FVH (80°-90°)	179.4	0.3			G2/225
BL (0°-30°)	2563.0	4.6	B4/5000		
BM (30°-60°)	12076.0	21.8	B5		
BH (60°-80°)	12918.0	23.3	B5		G5
BVH (80°-90°)	179.4	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°	6058.5	6058.5	6058.5	6058.5	6058.5	6058.5	6058.5	6058.5	6058.5	6058.5	6058.5
2.5°	6049.3	6043.8	6056.6	6054.8	6043.8	6045.7	6045.7	6051.1	6051.1	6047.5	6047.5
5°	6027.3	6023.6	6038.3	6038.3	6027.3	6030.9	6034.7	6040.2	6038.3	6034.7	6032.8
7.5°	5999.7	5997.9	6012.6	6012.6	6005.2	6008.9	6005.2	6007.1	6003.5	5999.7	5994.2
10°	5953.8	5957.5	5970.4	5974.0	5974.0	5975.9	5972.2	5963.0	5957.5	5952.0	5946.5
12.5°	5911.6	5909.7	5928.1	5937.3	5952.0	5968.5	5957.5	5931.8	5920.8	5909.7	5906.1
15°	5884.1	5885.9	5904.2	5920.8	5946.5	5981.4	5968.5	5928.1	5906.1	5893.2	5889.6
17.5°	5878.5	5882.3	5906.1	5935.4	5963.0	6001.6	5994.2	5953.8	5917.1	5893.2	5887.8
20°	5891.4	5893.2	5930.0	5972.2	6019.9	6056.6	6040.2	5996.1	5946.5	5909.7	5900.6
22.5°	5915.3	5922.6	5968.5	6034.7	6108.1	6157.6	6137.4	6062.1	5985.0	5939.2	5926.3
25°	5990.6	5992.4	6054.8	6144.8	6232.9	6289.8	6266.0	6159.5	6060.3	6008.9	5992.4
27.5°	6146.6	6152.1	6214.5	6319.2	6394.4	6431.2	6416.5	6330.2	6245.7	6190.7	6196.2
30°	6372.4	6379.8	6449.6	6565.2	6611.1	6620.2	6616.6	6576.2	6499.1	6425.6	6431.2
32.5°	6647.8	6651.4	6745.1	6849.8	6886.5	6893.8	6886.5	6849.8	6758.0	6658.8	6664.3
35°	7002.2	7013.2	7103.1	7204.1	7233.5	7248.2	7235.3	7187.5	7092.1	6994.8	6991.1
37.5°	7439.1	7440.9	7534.5	7639.2	7676.0	7679.6	7664.9	7633.7	7514.3	7426.2	7420.7
40°	7945.8	7953.2	8063.3	8175.3	8190.0	8173.5	8193.6	8175.3	8052.3	7951.3	7967.8
42.5°	8562.7	8579.2	8711.4	8821.5	8779.3	8770.1	8783.0	8788.5	8689.4	8566.3	8555.3
45°	9280.5	9295.2	9460.4	9548.5	9521.0	9460.4	9486.1	9530.2	9392.5	9240.1	9254.8
47.5°	10099.3	10136.0	10312.2	10394.9	10327.0	10244.3	10293.9	10360.0	10198.5	10009.4	10000.2
50°	11010.0	11055.8	11290.8	11406.5	11338.5	11186.2	11268.7	11312.8	11079.6	10835.5	10815.3
52.5°	11981.1	12027.0	12322.6	12561.3	12517.2	12280.4	12396.0	12350.1	12082.1	11753.4	11727.7
55°	13080.8	13099.1	13418.7	13804.1	13848.2	13673.8	13666.5	13591.2	13194.6	12814.6	12796.3
57.5°	14211.8	14224.5	14637.7	15092.9	15300.4	15300.4	15094.8	14935.1	14408.2	13967.5	13921.7
60°	15432.6	15478.5	15935.6	16554.3	17039.0	17182.2	16818.7	16383.6	15810.8	15272.9	15219.6
62.5°	16519.5	16572.7	17272.2	18193.8	18972.3	19493.7	18605.1	17896.4	16853.6	15990.8	15889.8
65°	16657.2	16800.4	17819.3	19488.2	21230.4	22271.3	20567.6	18821.7	16921.6	15722.7	15619.9
67.5°	15212.3	15454.7	16831.6	19429.4	23029.6	25263.9	21821.6	18293.0	15702.4	14376.9	14263.1
70°	11689.2	12041.7	13629.8	16995.0	22719.3	26227.7	21035.8	16014.6	13091.9	11665.3	11505.6
72.5°	6412.8	6557.8	7986.2	11637.8	18214.0	22287.8	17545.7	11841.6	8682.0	7064.6	6796.5
75°	2034.2	2085.5	2812.6	4762.4	10303.1	14762.5	11145.8	5812.5	3200.0	2359.1	2331.6
77.5°	903.2	908.8	1017.1	1389.8	3548.8	7479.5	4262.9	1582.5	1090.6	952.9	984.1
80°	570.9	570.9	629.7	688.5	965.6	2171.9	1153.0	752.7	642.6	596.7	609.5
82.5°	273.6	302.9	409.4	440.6	530.6	730.7	591.2	492.0	429.6	319.4	297.4
85°	179.9	150.5	258.9	291.9	308.4	350.6	343.3	324.9	280.9	159.8	178.1
87.5°	80.8	77.1	134.0	123.0	115.7	88.1	132.2	163.4	157.9	78.9	78.9
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)