

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: P382599

Luminaire Tested: **GLEON-SA0A-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382599
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-SA0A-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44323.9 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

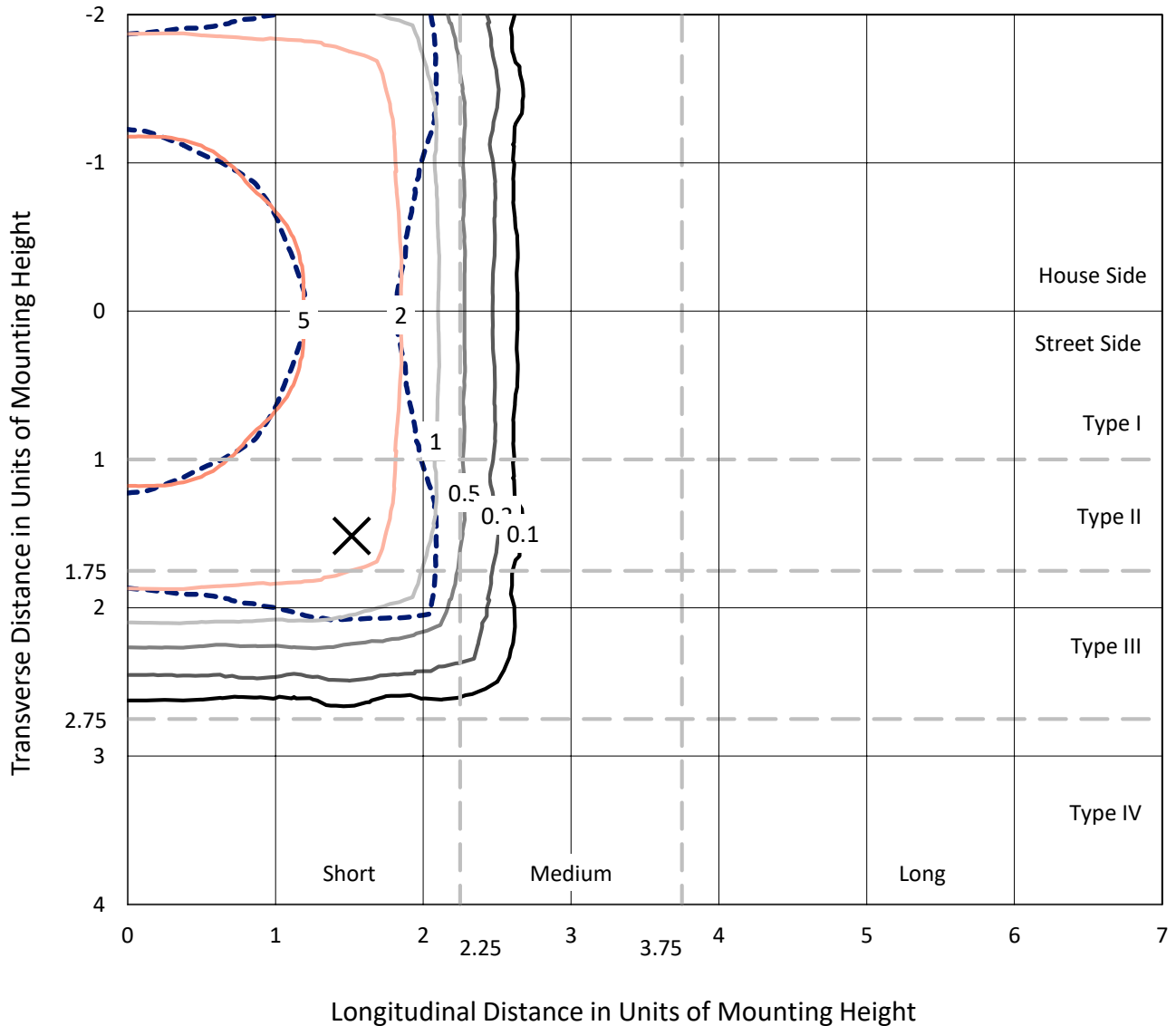
Input Watts (W): 323
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

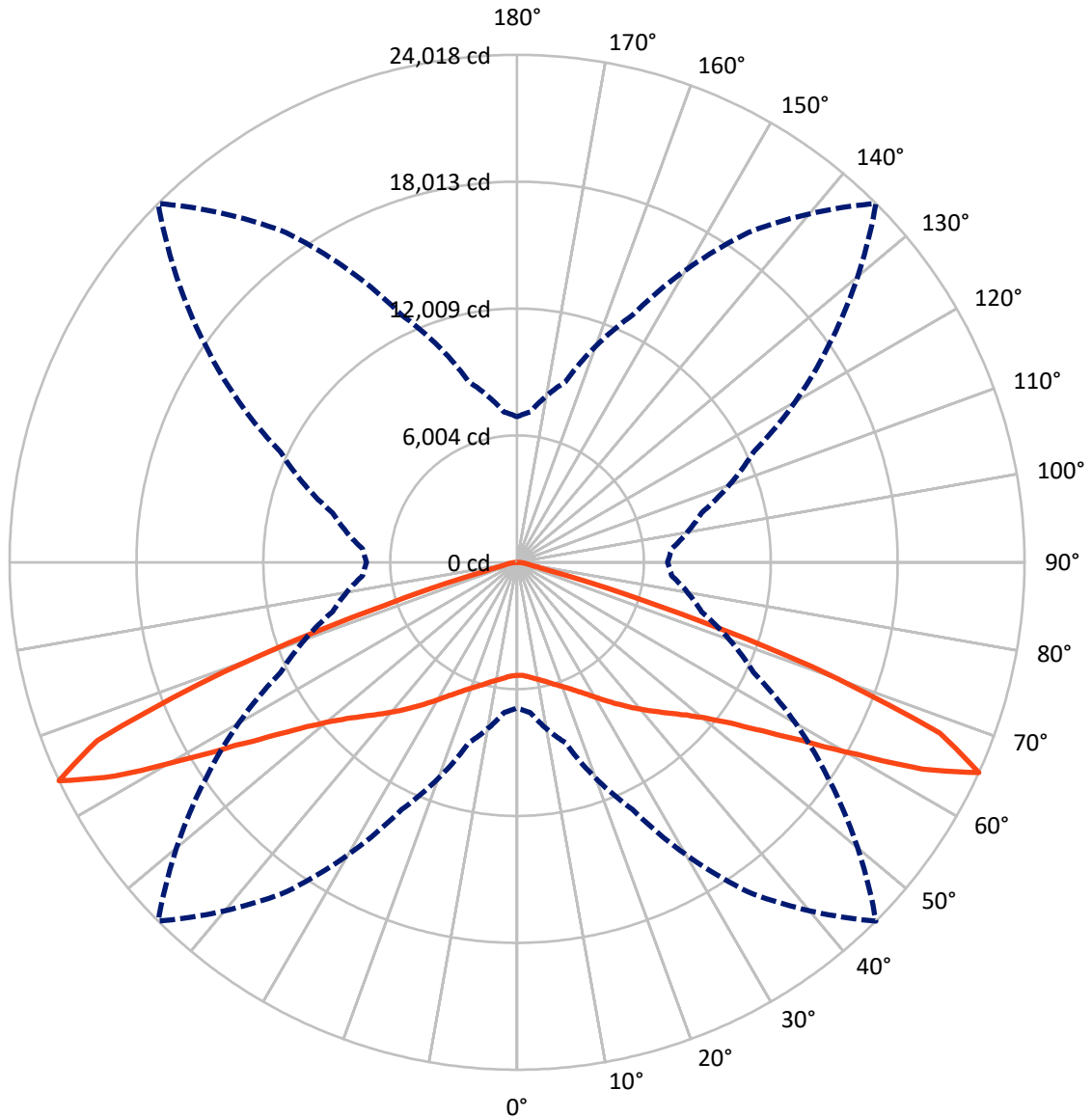
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	22162.0	0.0	22162.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22162.0	0.0	22162.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44323.9	0.0	44323.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.2	1.2
10°-20°	1688.0	3.8
20°-30°	3167.1	7.1
30°-40°	5237.7	11.8
40°-50°	8112.5	18.3
50°-60°	12442.3	28.1
60°-70°	11610.1	26.2
70°-80°	1351.2	3.0
80°-90°	189.9	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°	44323.9	100.0
0°-180°	44323.9	100.0

Coefficient of Utilization



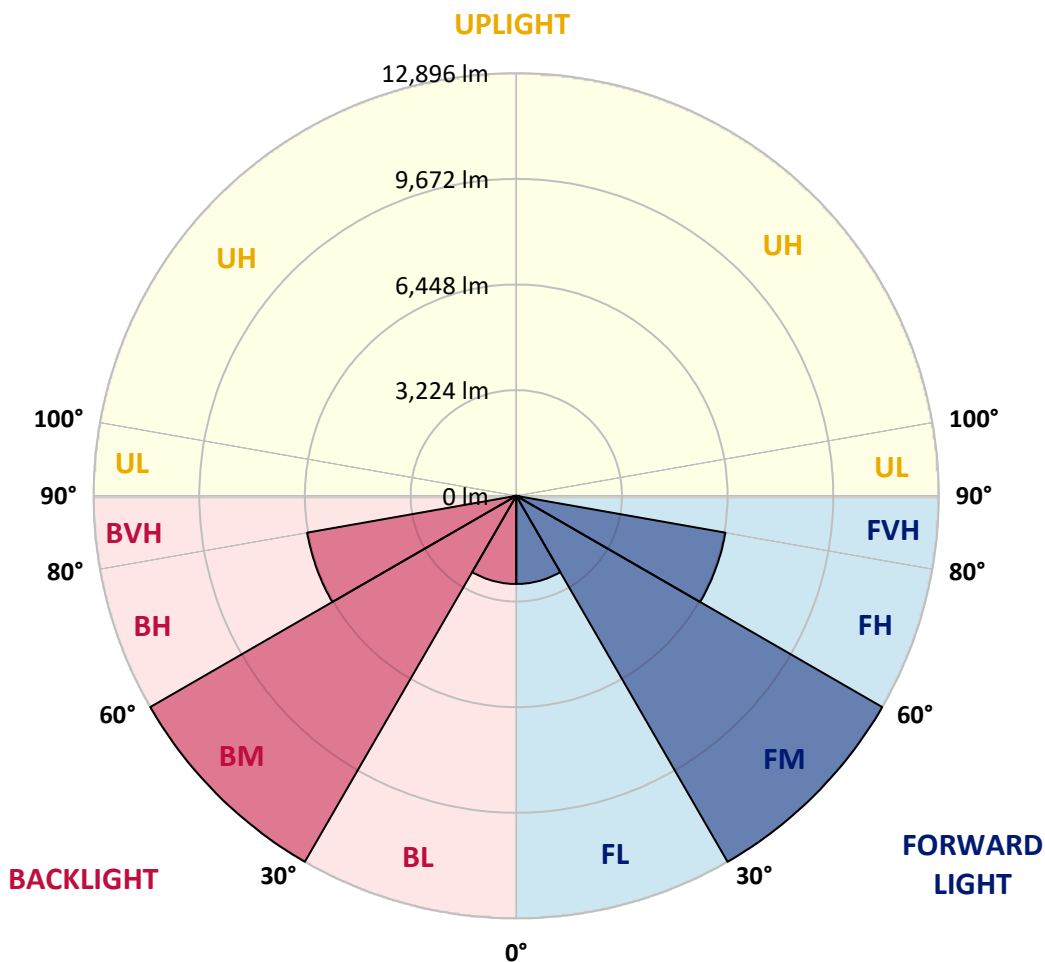
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2690.1	6.1			
FM (30°-60°)	12896.3	29.1			
FH (60°-80°)	6480.7	14.6			G3/7500
FVH (80°-90°)	94.9	0.2			G1/100
BL (0°-30°)	2690.1	6.1	B4/5000		
BM (30°-60°)	12896.3	29.1	B5		
BH (60°-80°)	6480.7	14.6	B5		G3/7500
BVH (80°-90°)	94.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5352.7	5352.7	5352.7	5352.7	5352.7	5352.7	5352.7	5352.7	5352.7	5352.7	5352.7
2.5°	5370.4	5367.4	5370.4	5371.8	5363.0	5367.4	5365.9	5373.3	5376.2	5373.3	5373.3
5°	5432.1	5427.8	5433.6	5441.0	5429.2	5432.1	5427.8	5436.5	5439.5	5433.6	5438.0
7.5°	5517.5	5519.0	5524.8	5538.1	5530.7	5536.6	5527.8	5529.2	5527.8	5519.0	5520.4
10°	5610.2	5611.6	5621.9	5639.6	5642.6	5642.6	5636.6	5632.2	5626.4	5620.5	5621.9
12.5°	5721.9	5729.3	5736.7	5758.7	5758.7	5770.6	5767.6	5755.8	5745.5	5736.7	5736.7
15°	5873.5	5872.1	5880.9	5902.9	5913.3	5932.4	5932.4	5916.2	5902.9	5894.1	5891.2
17.5°	6032.4	6036.8	6042.8	6069.2	6085.4	6107.5	6110.4	6097.2	6088.3	6076.6	6069.2
20°	6217.8	6225.2	6248.7	6259.0	6273.7	6294.4	6301.6	6298.8	6289.9	6284.0	6285.5
22.5°	6434.1	6453.2	6467.9	6482.6	6500.3	6515.1	6522.4	6532.7	6523.8	6519.4	6516.5
25°	6696.0	6709.3	6738.6	6765.2	6776.9	6781.3	6790.1	6804.9	6803.4	6793.1	6793.1
27.5°	6993.2	7018.2	7055.0	7093.3	7093.3	7078.6	7108.0	7133.0	7124.2	7110.9	7093.3
30°	7353.6	7377.2	7419.9	7472.9	7446.4	7436.1	7475.8	7521.4	7508.2	7486.1	7483.1
32.5°	7742.1	7764.2	7820.1	7877.4	7843.6	7828.9	7871.6	7937.8	7914.2	7870.1	7843.6
35°	8162.9	8184.9	8264.4	8333.6	8276.2	8251.2	8286.5	8358.6	8317.4	8235.0	8214.4
37.5°	8620.4	8632.3	8735.2	8805.9	8766.1	8699.9	8744.1	8797.1	8761.8	8661.7	8621.9
40°	9095.7	9138.4	9257.5	9340.0	9270.9	9166.3	9239.9	9313.5	9260.5	9132.5	9064.8
42.5°	9650.5	9682.8	9841.7	9915.3	9803.4	9656.3	9756.4	9856.4	9803.4	9679.8	9621.0
45°	10227.2	10277.2	10467.0	10540.6	10378.7	10191.9	10314.0	10489.0	10484.7	10306.6	10244.9
47.5°	10855.4	10905.4	11132.1	11229.2	11054.0	10803.9	10976.1	11223.3	11205.6	11010.0	10959.9
50°	11580.8	11633.7	11916.3	12038.4	11875.1	11583.7	11842.7	12060.5	12028.0	11786.8	11791.2
52.5°	12491.6	12488.6	12840.3	13052.1	12884.4	12626.9	12865.2	13077.2	12943.2	12609.2	12599.0
55°	13289.0	13337.5	13773.1	14174.7	14164.5	14065.9	14161.5	14170.3	13787.7	13343.5	13289.0
57.5°	13812.8	13905.5	14519.0	15245.9	15790.3	15921.2	15735.8	15173.8	14277.7	13567.1	13480.2
60°	13490.6	13631.8	14595.6	16077.2	17680.9	18450.4	17404.3	15660.8	13896.6	12906.5	12788.8
62.5°	11316.0	11554.4	12965.3	15675.5	19308.2	21557.9	18613.7	14879.5	12381.2	11017.3	10815.7
65°	6891.7	7143.3	8844.1	12902.0	19044.8	24017.9	18062.0	12350.3	9036.9	7340.4	7122.7
67.5°	2296.7	2370.3	3372.3	7131.6	14967.8	21580.0	14992.8	7393.4	3932.8	2607.2	2530.6
70°	898.9	906.3	1069.7	2067.2	7068.2	14822.1	7799.5	2104.0	1118.2	884.2	903.4
72.5°	660.7	663.5	709.2	863.6	1842.1	6529.8	1908.3	868.1	690.1	619.4	619.4
75°	531.2	531.2	563.5	629.7	825.4	1497.8	837.2	622.4	540.0	494.4	488.5
77.5°	419.3	428.1	453.2	495.9	559.1	720.9	579.7	492.9	435.5	392.8	384.0
80°	311.9	320.7	361.9	382.6	401.7	500.2	428.1	385.5	344.3	294.3	285.4
82.5°	204.5	213.3	264.8	276.6	272.2	326.6	288.4	283.9	253.1	189.8	181.0
85°	133.9	136.8	176.5	183.9	169.2	148.6	183.9	194.2	176.5	123.6	119.1
87.5°	63.3	63.3	89.7	83.8	76.5	61.8	83.8	98.6	100.0	60.4	58.9
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)