

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: P383467

Luminaire Tested: **GLEON-SA7D-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383467
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-SA7D-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52734.9 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

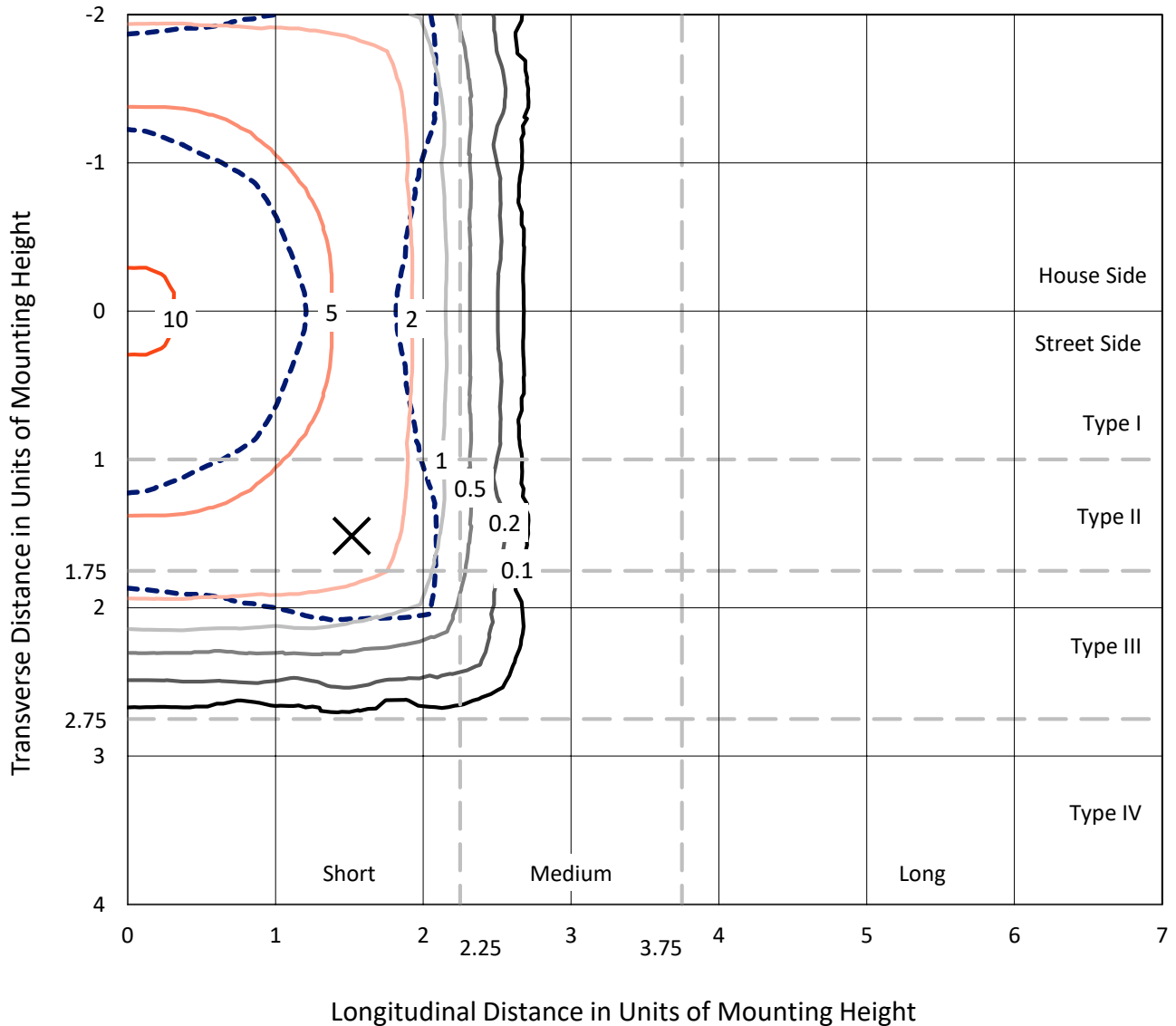
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383467
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Iso-Footcandle Lines of Horizontal Illumination

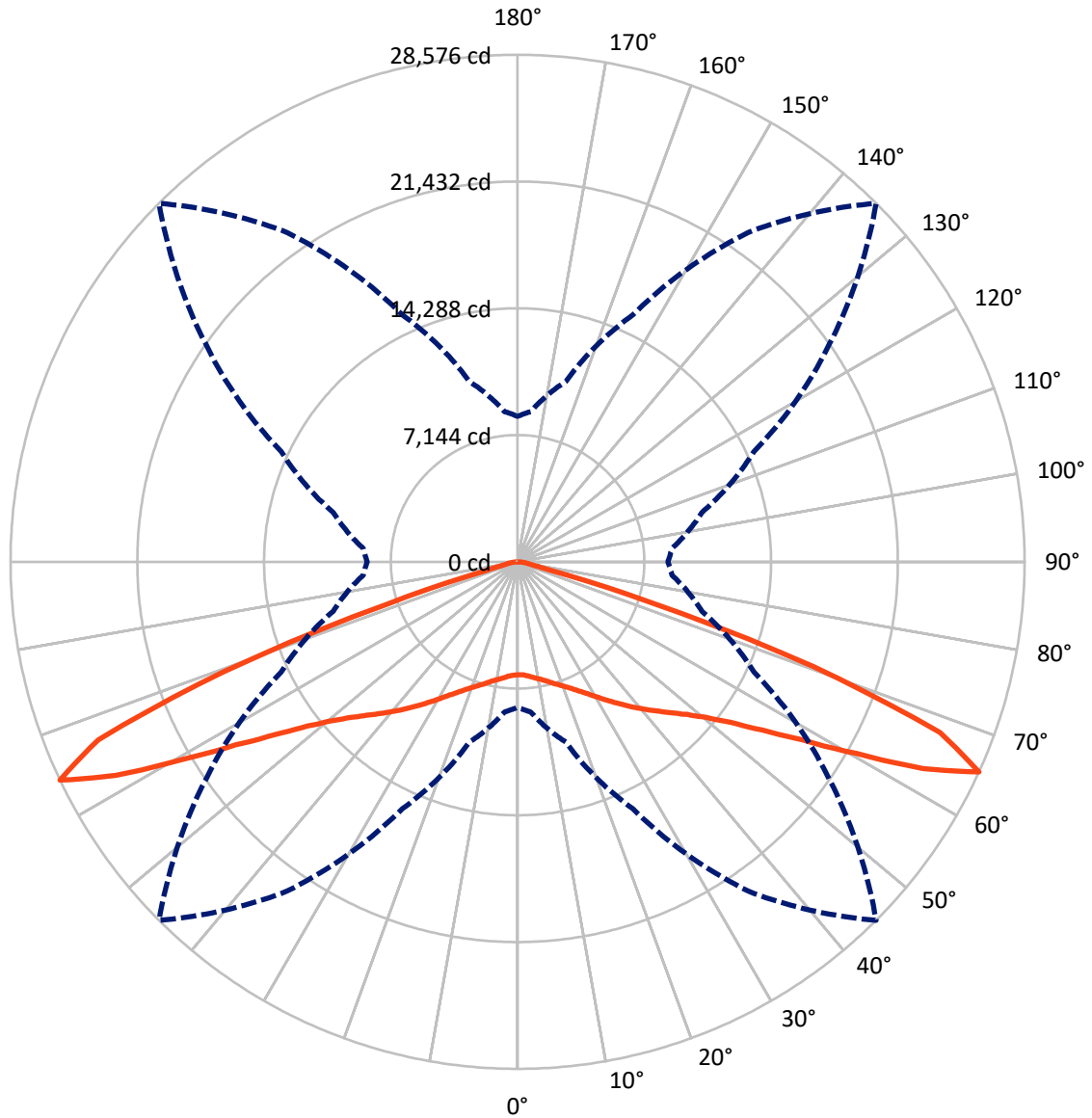
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type V - Short - N/A

REPORT NUMBER: P383467
CATALOG NUMBER: GLEON-SA7D-735-U-5NQ

Luminous Intensity Polar Plot



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

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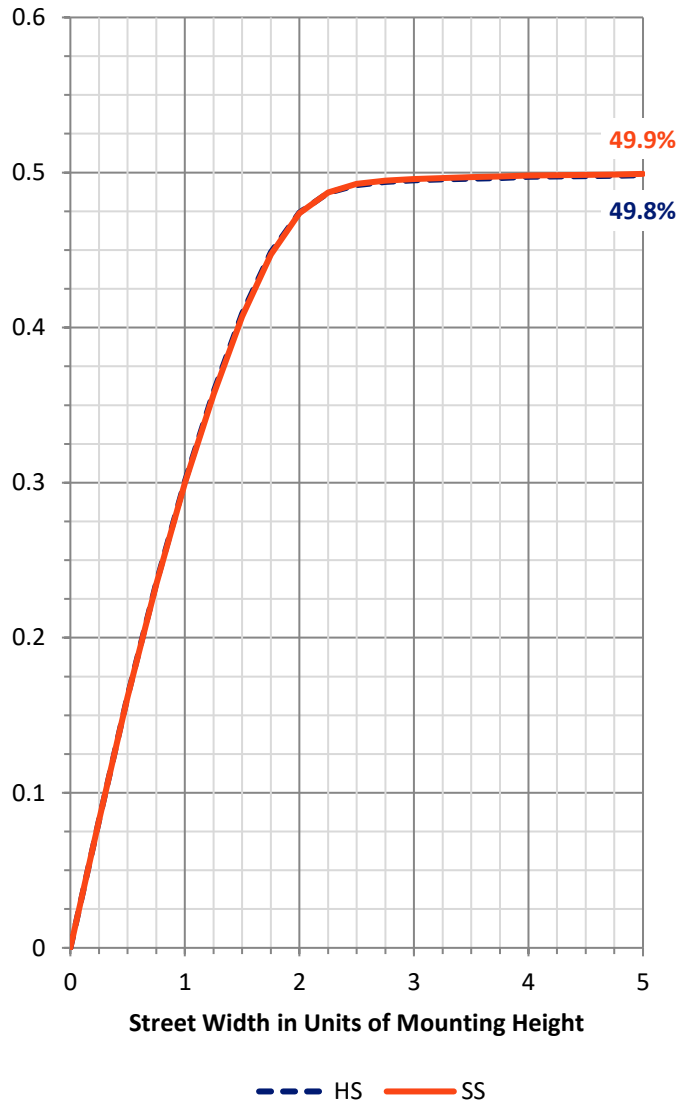
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26367.5	0.0	26367.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26367.5	0.0	26367.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	52734.9	0.0	52734.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.8	1.2
10°-20°	2008.4	3.8
20°-30°	3768.1	7.1
30°-40°	6231.6	11.8
40°-50°	9651.9	18.3
50°-60°	14803.4	28.1
60°-70°	13813.2	26.2
70°-80°	1607.7	3.0
80°-90°	225.9	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°	52734.9	100.0
0°-180°	52734.9	100.0

Coefficient of Utilization



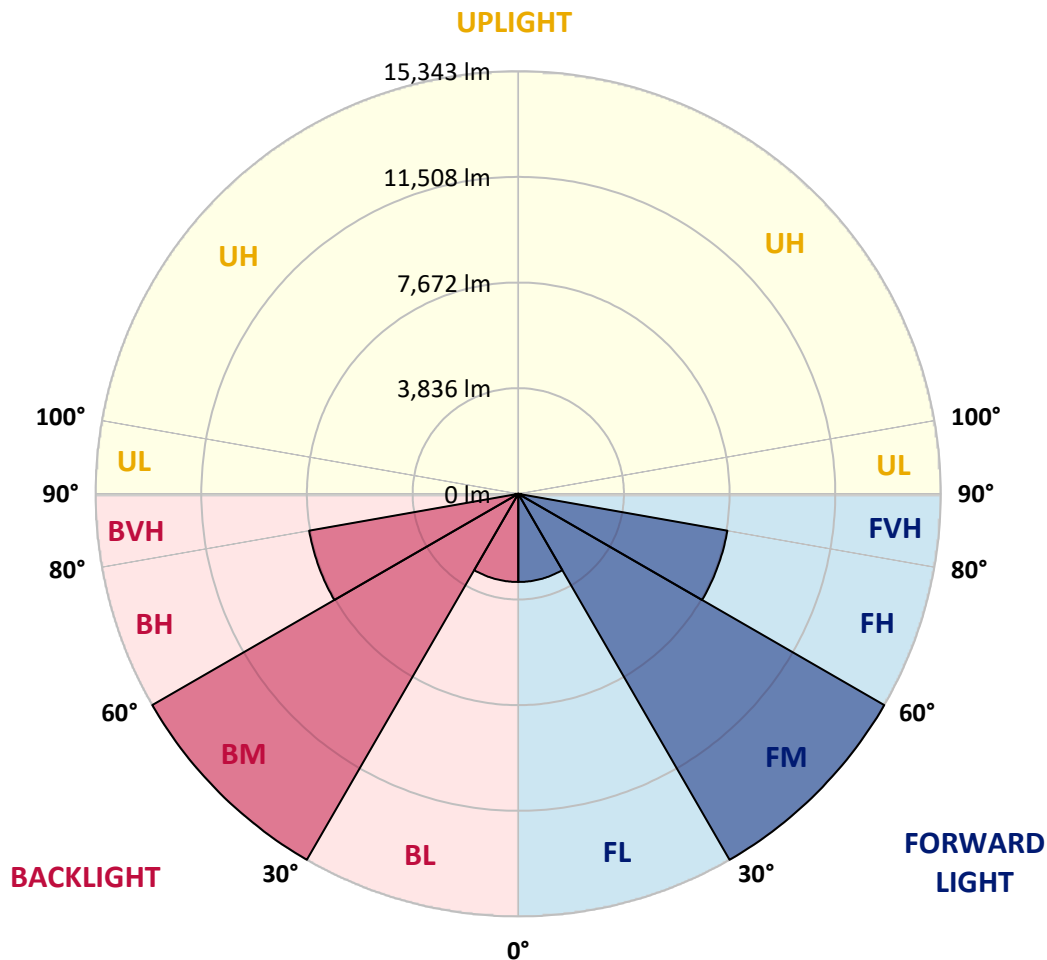
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 CATALOG NUMBER: GLEON-SA7D-735-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3200.6	6.1			
FM (30°-60°)	15343.5	29.1			
FH (60°-80°)	7710.4	14.6			G4/12000
FVH (80°-90°)	112.9	0.2			G2/225
BL (0°-30°)	3200.6	6.1	B4/5000		
BM (30°-60°)	15343.5	29.1	B5		
BH (60°-80°)	7710.4	14.6	B5		G4/12000
BVH (80°-90°)	112.9	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°	6368.4	6368.4	6368.4	6368.4	6368.4	6368.4	6368.4	6368.4	6368.4	6368.4	6368.4
2.5°	6389.4	6385.9	6389.4	6391.2	6380.6	6385.9	6384.2	6392.9	6396.4	6392.9	6392.9
5°	6462.9	6457.7	6464.7	6473.4	6459.4	6462.9	6457.7	6468.2	6471.6	6464.7	6470.0
7.5°	6564.4	6566.2	6573.2	6588.9	6580.3	6587.3	6576.7	6578.5	6576.7	6566.2	6568.0
10°	6674.7	6676.5	6688.8	6709.8	6713.3	6713.3	6706.3	6701.0	6694.0	6687.0	6688.8
12.5°	6807.7	6816.5	6825.3	6851.5	6851.5	6865.6	6862.1	6848.1	6835.8	6825.3	6825.3
15°	6988.1	6986.3	6996.9	7023.1	7035.3	7058.1	7058.1	7038.9	7023.1	7012.6	7009.1
17.5°	7177.1	7182.4	7189.4	7220.9	7240.2	7266.4	7269.9	7254.1	7243.7	7229.6	7220.9
20°	7397.7	7406.5	7434.5	7446.7	7464.2	7488.7	7497.5	7494.0	7483.5	7476.5	7478.3
22.5°	7655.1	7677.8	7695.3	7712.8	7733.8	7751.3	7760.1	7772.4	7761.8	7756.5	7753.1
25°	7966.6	7982.4	8017.4	8048.9	8062.9	8068.1	8078.7	8096.2	8094.4	8082.2	8082.2
27.5°	8320.2	8350.0	8393.8	8439.3	8439.3	8421.7	8456.8	8486.6	8476.1	8460.3	8439.3
30°	8749.1	8777.1	8827.9	8890.9	8859.4	8847.2	8894.4	8948.7	8932.9	8906.7	8903.2
32.5°	9211.2	9237.5	9304.0	9372.3	9332.1	9314.5	9365.3	9444.1	9416.1	9363.5	9332.1
35°	9711.9	9738.2	9832.7	9914.9	9846.7	9816.9	9858.9	9944.7	9895.7	9797.6	9773.1
37.5°	10256.3	10270.3	10392.9	10476.9	10429.6	10350.9	10403.3	10466.4	10424.4	10305.3	10258.1
40°	10821.8	10872.5	11014.3	11112.3	11030.1	10905.8	10993.3	11080.9	11017.8	10865.5	10785.0
42.5°	11481.7	11520.2	11709.3	11796.7	11663.7	11488.7	11607.7	11726.8	11663.7	11516.7	11446.7
45°	12167.9	12227.4	12453.2	12540.8	12348.2	12125.9	12271.2	12479.5	12474.3	12262.4	12188.9
47.5°	12915.3	12974.9	13244.5	13360.0	13151.7	12854.1	13058.9	13353.0	13332.0	13099.1	13039.6
50°	13778.3	13841.4	14177.5	14322.8	14128.5	13781.9	14089.9	14349.1	14310.5	14023.4	14028.7
52.5°	14861.9	14858.5	15276.8	15528.9	15329.4	15023.0	15306.6	15558.7	15399.3	15002.0	14989.7
55°	15810.7	15868.5	16386.7	16864.6	16852.3	16735.0	16848.8	16859.3	16404.2	15875.5	15810.7
57.5°	16433.9	16544.2	17274.2	18138.9	18786.6	18942.5	18721.9	18053.1	16987.0	16141.6	16038.3
60°	16050.6	16218.6	17365.2	19128.0	21036.0	21951.5	20707.0	18632.6	16533.7	15355.6	15215.5
62.5°	13463.3	13746.8	15425.6	18650.0	22972.2	25648.7	22145.9	17703.0	14730.7	13107.9	12868.1
65°	8199.5	8498.8	10522.4	15350.3	22658.8	28575.6	21489.4	14693.9	10751.7	8733.4	8474.3
67.5°	2732.6	2820.1	4012.2	8484.8	17808.1	25674.9	17837.8	8796.4	4679.2	3102.0	3010.9
70°	1069.6	1078.4	1272.6	2459.5	8409.5	17634.8	9279.5	2503.3	1330.4	1052.1	1074.8
72.5°	785.9	789.5	843.8	1027.6	2191.7	7768.8	2270.5	1032.8	821.0	736.9	736.9
75°	632.0	632.0	670.4	749.2	982.0	1782.1	996.0	740.5	642.5	588.2	581.2
77.5°	498.9	509.4	539.2	589.9	665.2	857.8	689.7	586.4	518.1	467.4	456.9
80°	371.1	381.7	430.7	455.2	477.9	595.2	509.4	458.6	409.6	350.1	339.6
82.5°	243.3	253.8	315.0	329.1	323.8	388.6	343.1	337.9	301.1	225.8	215.3
85°	159.3	162.8	210.1	218.8	201.3	176.8	218.8	231.0	210.1	147.0	141.8
87.5°	75.3	75.3	106.8	99.8	91.0	73.5	99.8	117.3	119.1	71.7	70.1
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)