

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: P383471

Luminaire Tested: **GLEON-SA7D-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383471
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-SA7D-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52259.8 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

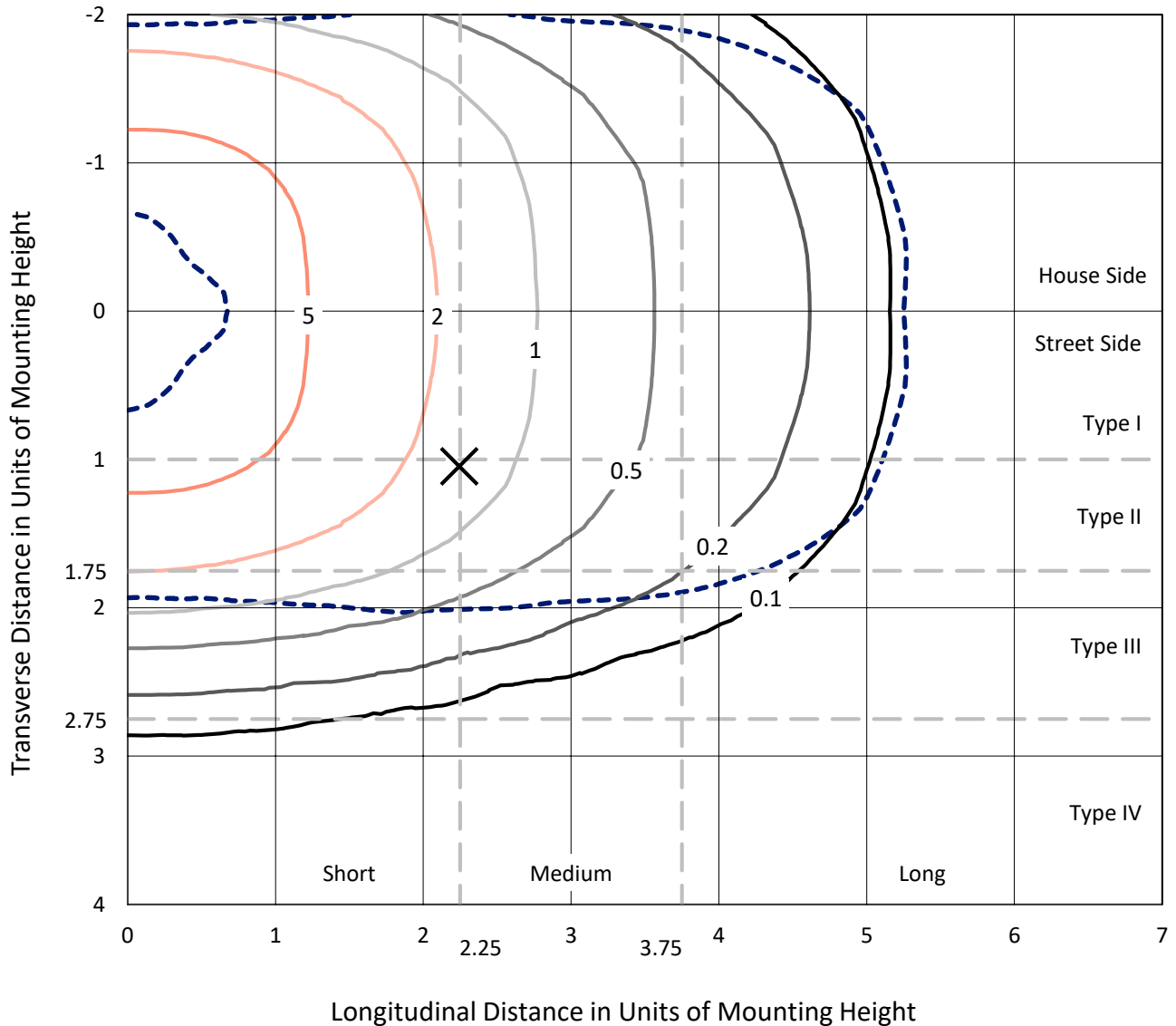
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

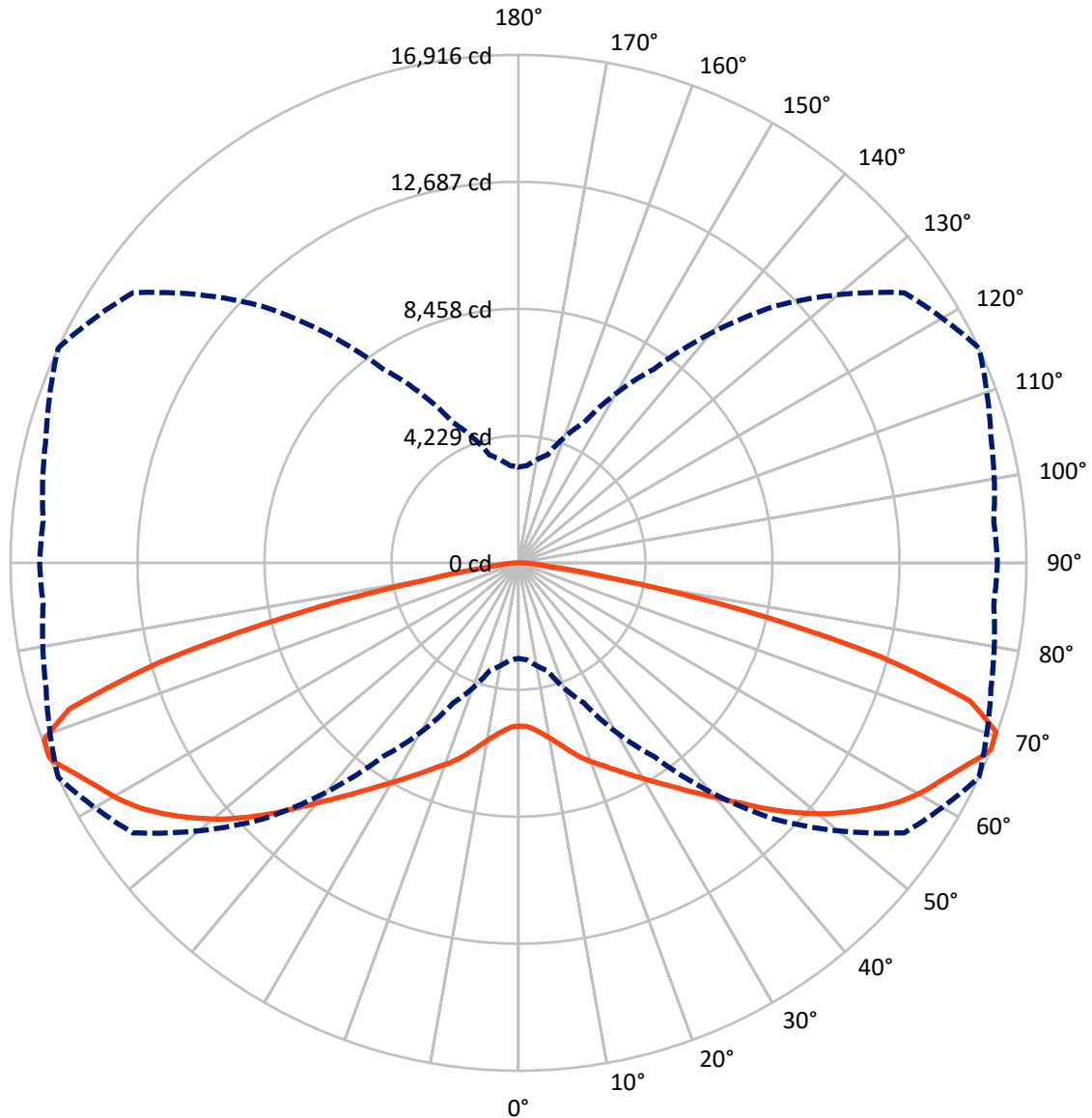
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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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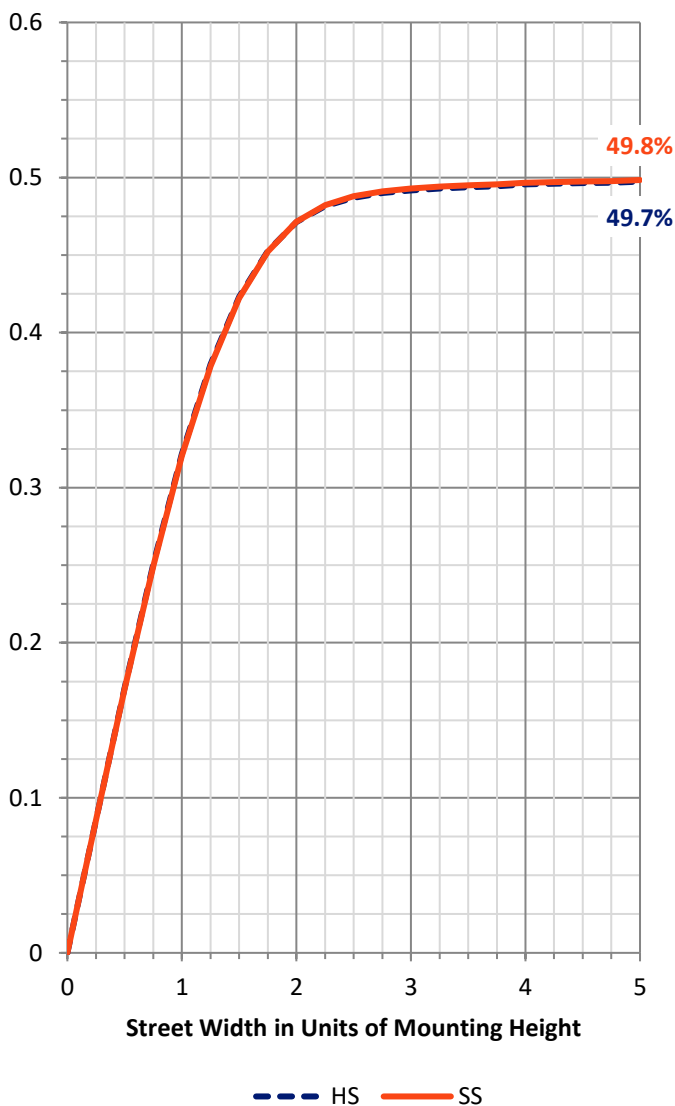
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26129.9	0.0	26129.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26129.9	0.0	26129.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	52259.8	0.0	52259.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.0	1.0
10°-20°	1781.4	3.4
20°-30°	3473.2	6.6
30°-40°	5834.8	11.2
40°-50°	9193.5	17.6
50°-60°	12294.8	23.5
60°-70°	11952.1	22.9
70°-80°	6533.6	12.5
80°-90°	664.5	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°	52259.8	100.0
0°-180°	52259.8	100.0

Coefficient of Utilization



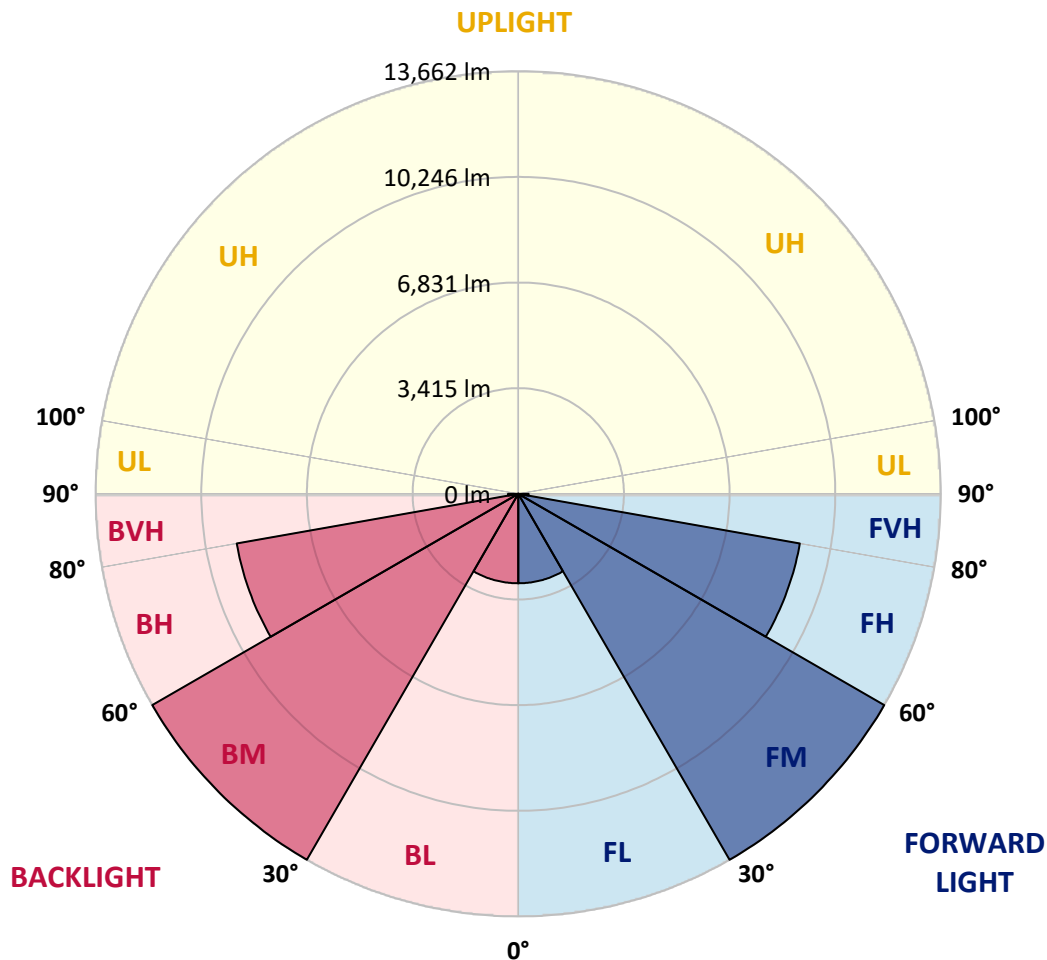
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2893.3	5.5			
FM (30°-60°)	13661.5	26.1			
FH (60°-80°)	9242.8	17.7			G4/12000
FVH (80°-90°)	332.2	0.6			G3/500
BL (0°-30°)	2893.3	5.5	B4/5000		
BM (30°-60°)	13661.5	26.1	B5		
BH (60°-80°)	9242.8	17.7	B5		G5
BVH (80°-90°)	332.2	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°	5433.8	5433.8	5433.8	5433.8	5433.8	5433.8	5433.8	5433.8	5433.8	5433.8	5433.8
2.5°	5395.2	5397.0	5405.8	5416.3	5425.1	5447.8	5453.1	5461.8	5465.3	5474.1	5474.1
5°	5347.9	5351.5	5372.4	5400.5	5432.0	5488.1	5528.5	5574.0	5596.7	5621.3	5619.6
7.5°	5342.7	5351.5	5381.2	5426.8	5479.4	5572.2	5656.4	5747.5	5808.8	5864.8	5861.4
10°	5397.0	5411.0	5453.1	5521.4	5600.3	5715.9	5840.3	5963.0	6069.9	6155.8	6159.2
12.5°	5479.4	5496.9	5563.5	5666.9	5786.0	5935.0	6082.2	6220.6	6367.8	6495.7	6506.2
15°	5588.0	5610.8	5710.7	5864.8	6047.0	6224.0	6381.8	6523.7	6693.6	6870.6	6888.1
17.5°	5749.2	5780.7	5912.2	6120.6	6360.7	6555.2	6720.0	6826.8	6968.8	7151.0	7184.3
20°	5994.5	6034.8	6201.3	6450.1	6742.7	6946.0	7072.1	7094.9	7165.0	7328.0	7366.6
22.5°	6313.5	6348.5	6534.2	6830.4	7158.0	7378.8	7445.4	7354.3	7347.3	7478.7	7515.4
25°	6669.1	6700.7	6916.2	7249.1	7601.3	7844.9	7843.2	7666.2	7543.5	7645.1	7683.7
27.5°	7068.7	7117.8	7324.5	7674.9	8051.6	8291.7	8277.7	8004.4	7771.3	7797.6	7830.9
30°	7527.7	7582.1	7783.5	8139.3	8516.0	8750.9	8733.4	8372.4	8021.9	7951.8	7976.4
32.5°	8097.2	8162.0	8353.1	8703.5	9036.5	9248.5	9197.6	8771.8	8323.3	8170.9	8193.6
35°	8782.4	8820.9	9022.4	9367.6	9637.5	9782.9	9676.1	9234.4	8705.3	8521.3	8521.3
37.5°	9476.3	9506.1	9732.2	10066.8	10327.9	10405.0	10196.4	9740.9	9204.7	8943.6	8948.8
40°	10142.1	10222.7	10476.8	10820.3	11077.9	11098.9	10822.1	10319.1	9760.1	9490.3	9521.8
42.5°	10837.8	10916.6	11219.7	11608.8	11836.6	11871.6	11547.5	10967.5	10387.5	10168.4	10203.4
45°	11458.1	11521.2	11871.6	12323.7	12607.6	12698.7	12315.0	11710.4	11065.6	10851.8	10860.5
47.5°	11890.9	11973.3	12358.7	12891.5	13305.0	13445.2	13068.4	12434.1	11733.2	11473.9	11496.7
50°	12283.4	12327.3	12718.0	13299.7	13825.4	14114.5	13792.1	13149.1	12407.8	12132.8	12157.3
52.5°	12502.5	12558.6	12937.1	13543.3	14165.4	14631.4	14435.2	13792.1	13059.6	12791.5	12821.4
55°	12350.0	12392.1	12845.9	13597.6	14375.6	14950.4	14980.1	14421.2	13699.2	13464.4	13548.5
57.5°	11656.1	11708.7	12262.4	13247.2	14401.9	15165.9	15390.2	15004.7	14296.7	14105.8	14154.9
60°	10571.5	10604.7	11195.2	12302.7	13890.2	15255.3	15651.3	15481.3	14882.0	14691.1	14757.7
62.5°	8638.7	8687.8	9393.9	10878.1	12809.1	14990.7	15903.6	15875.5	15427.0	15251.8	15311.4
65°	5905.2	5991.0	6772.5	8649.2	11142.7	14181.1	16133.2	16334.7	15908.9	15688.1	15766.9
67.5°	3565.9	3628.9	4194.9	5710.7	8526.5	12548.0	15896.6	16856.8	16248.8	15893.1	15958.0
68°	3187.4	3245.2	3718.3	5153.4	7886.9	12087.2	15681.1	16916.4	16285.6	15889.6	15947.4
70°	1925.8	1964.3	2281.5	3185.6	5258.6	9588.4	14210.9	16867.3	16520.4	15938.7	15971.9
72.5°	1254.6	1266.9	1319.4	1634.9	2686.2	5362.0	10666.0	15717.9	16872.7	16224.3	16219.0
75°	1042.6	1035.6	1040.8	1077.6	1324.8	2351.5	6232.8	12416.6	16084.1	15773.9	15663.5
77.5°	881.4	876.1	874.4	876.1	886.6	1135.5	2705.5	7734.5	12308.0	13953.4	14051.5
80°	713.2	706.2	728.9	718.4	686.9	706.2	1133.7	3217.2	5801.8	6241.6	5849.1
82.5°	518.7	492.4	590.5	562.5	536.2	497.6	625.5	1039.1	1384.3	949.7	667.6
85°	399.5	371.5	448.5	431.0	368.0	254.0	371.5	508.2	560.7	320.6	252.4
87.5°	162.9	171.7	324.2	255.8	215.6	122.7	152.4	203.3	273.3	136.7	105.2
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)