

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: P383247

Luminaire Tested: **GLEON-SA5D-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383247
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-SA5D-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 36927.5 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

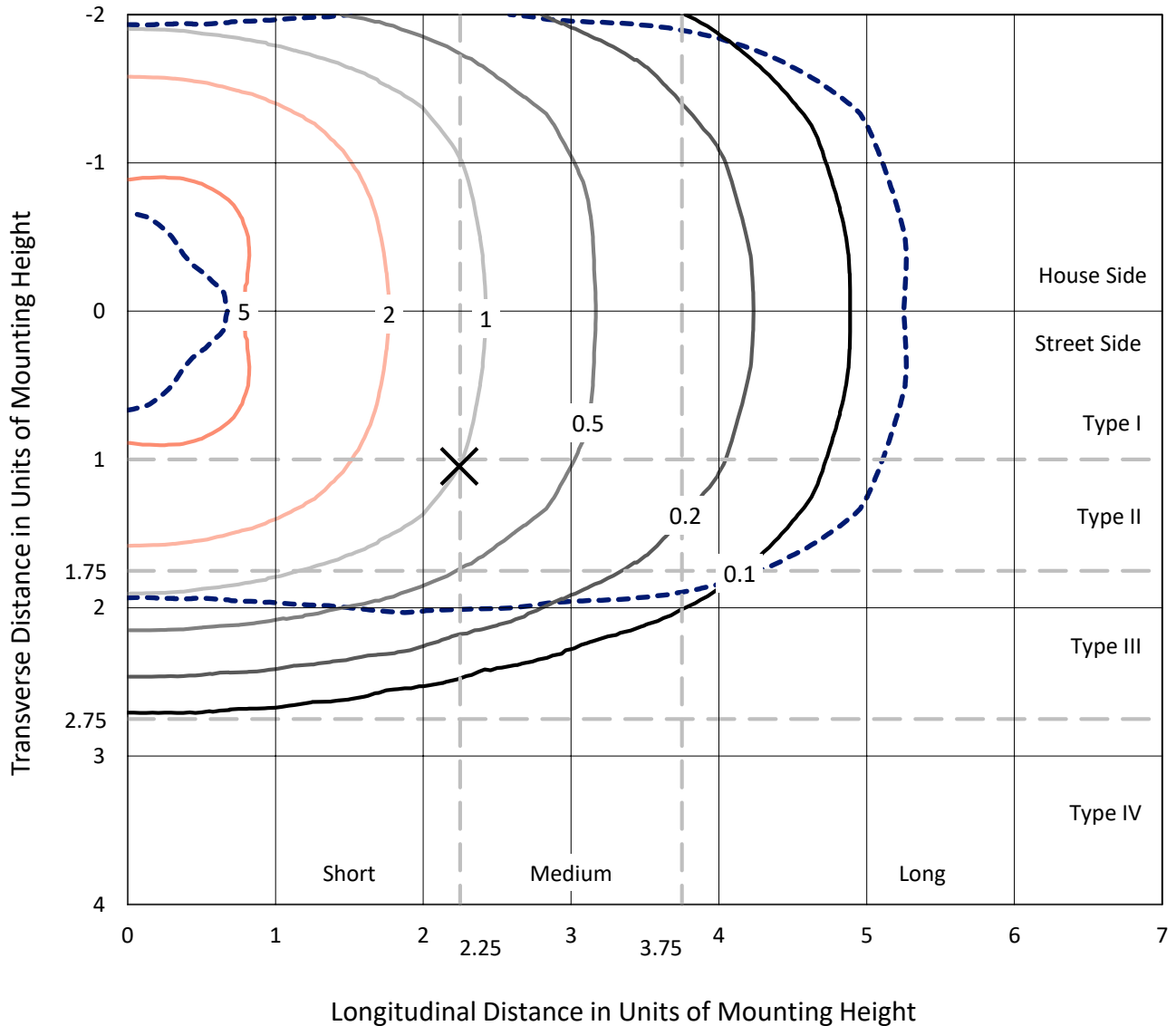
Input Watts (W): 320
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

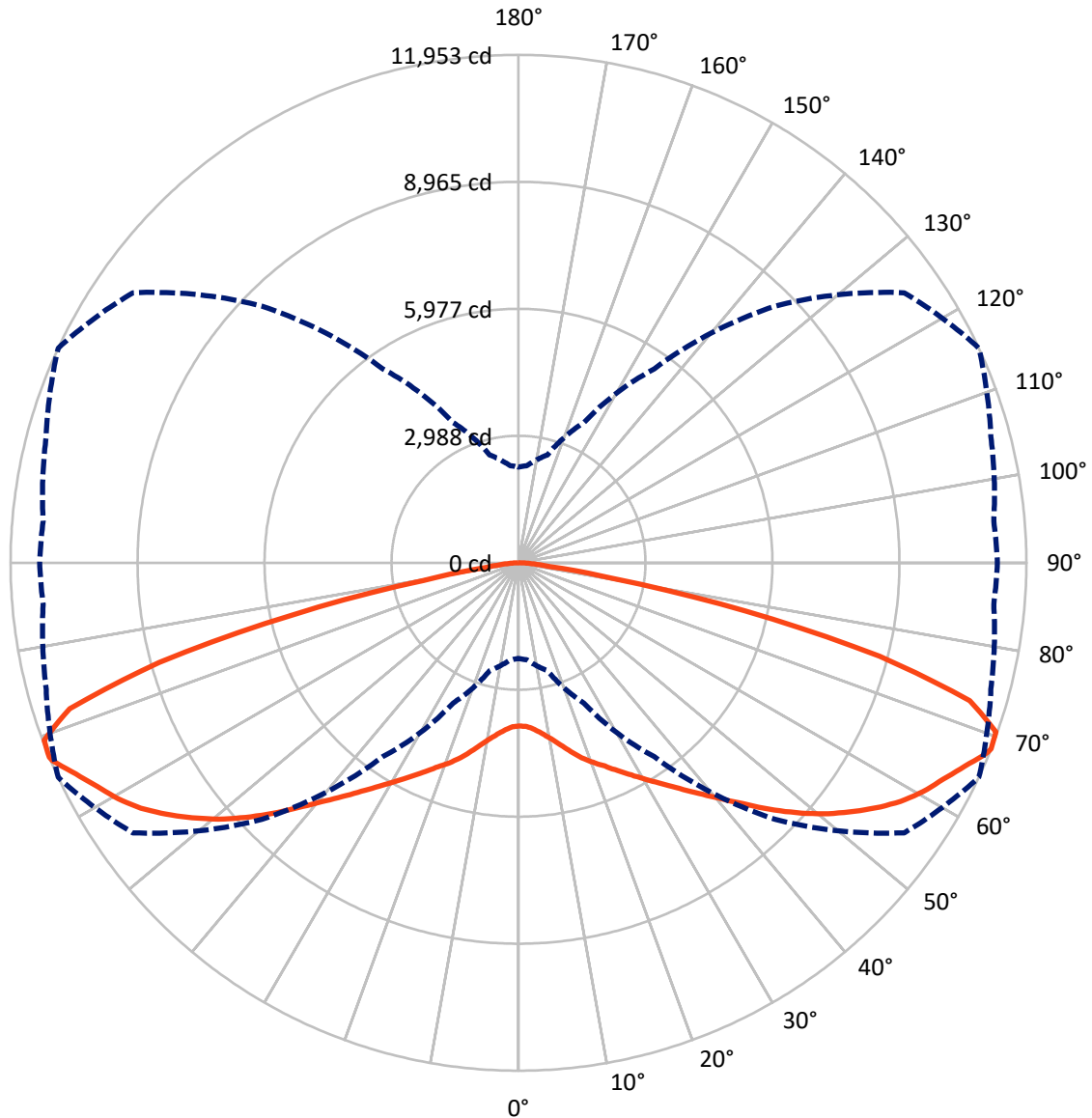
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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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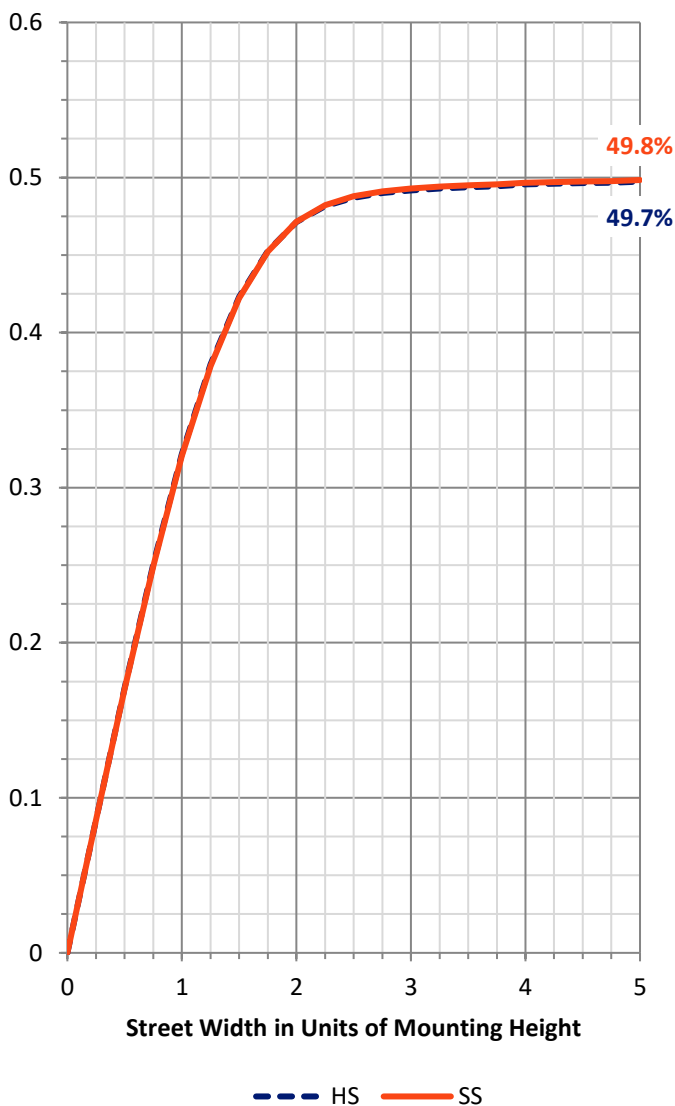
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18463.7	0.0	18463.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18463.7	0.0	18463.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	36927.5	0.0	36927.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.9	1.0
10°-20°	1258.7	3.4
20°-30°	2454.2	6.6
30°-40°	4122.9	11.2
40°-50°	6496.3	17.6
50°-60°	8687.7	23.5
60°-70°	8445.5	22.9
70°-80°	4616.7	12.5
80°-90°	469.5	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°	36927.5	100.0
0°-180°	36927.5	100.0

Coefficient of Utilization

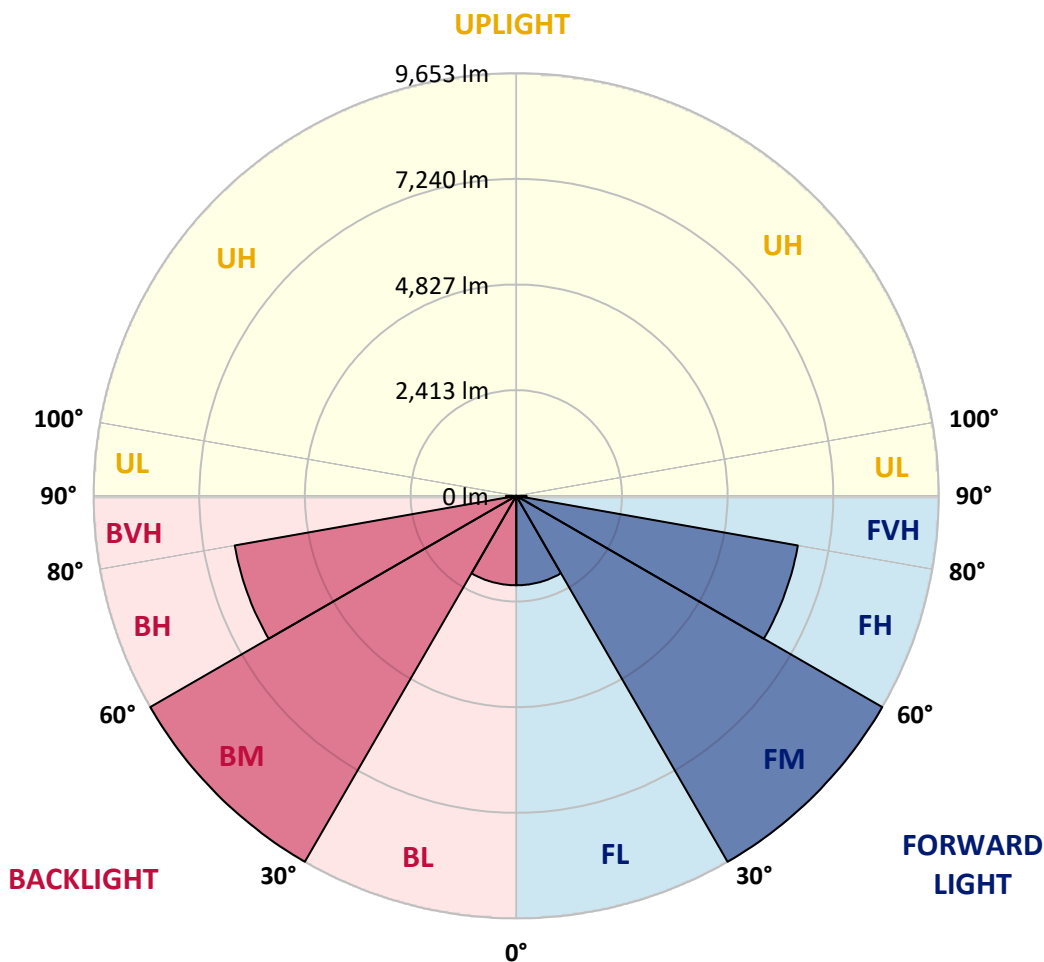


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2044.4	5.5			
FM (30°-60°)	9653.4	26.1			
FH (60°-80°)	6531.1	17.7			G3/7500
FVH (80°-90°)	234.8	0.6			G3/500
BL (0°-30°)	2044.4	5.5	B3/2500		
BM (30°-60°)	9653.4	26.1	B5		
BH (60°-80°)	6531.1	17.7	B5		G5
BVH (80°-90°)	234.8	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°	3839.6	3839.6	3839.6	3839.6	3839.6	3839.6	3839.6	3839.6	3839.6	3839.6	3839.6
2.5°	3812.4	3813.6	3819.8	3827.2	3833.4	3849.5	3853.3	3859.4	3861.9	3868.1	3868.1
5°	3778.9	3781.4	3796.2	3816.1	3838.3	3877.9	3906.4	3938.7	3954.7	3972.1	3970.8
7.5°	3775.2	3781.4	3802.5	3834.6	3871.8	3937.4	3996.8	4061.3	4104.6	4144.2	4141.7
10°	3813.6	3823.5	3853.3	3901.5	3957.2	4038.9	4126.8	4213.5	4289.0	4349.7	4352.2
12.5°	3871.8	3884.2	3931.2	4004.3	4088.5	4193.7	4297.7	4395.5	4499.6	4589.9	4597.4
15°	3948.6	3964.7	4035.2	4144.2	4272.9	4398.0	4509.4	4609.8	4729.8	4854.9	4867.2
17.5°	4062.5	4084.7	4177.6	4325.0	4494.6	4632.0	4748.4	4823.9	4924.3	5053.0	5076.6
20°	4235.8	4264.3	4381.9	4557.7	4764.5	4908.1	4997.3	5013.4	5062.9	5178.1	5205.3
22.5°	4461.2	4486.0	4617.1	4826.4	5057.9	5214.0	5261.0	5196.6	5191.7	5284.6	5310.6
25°	4712.5	4734.8	4887.1	5122.3	5371.2	5543.4	5542.1	5417.0	5330.3	5402.1	5429.4
27.5°	4994.8	5029.5	5175.6	5423.2	5689.4	5859.1	5849.2	5656.0	5491.3	5509.9	5533.4
30°	5319.2	5357.6	5500.0	5751.4	6017.5	6183.4	6171.0	5916.0	5668.4	5618.8	5636.1
32.5°	5721.7	5767.4	5902.4	6150.0	6385.3	6535.1	6499.2	6198.3	5881.3	5773.6	5789.8
35°	6205.8	6233.0	6375.4	6619.3	6810.0	6912.7	6837.2	6525.2	6151.3	6021.2	6021.2
37.5°	6696.1	6717.1	6876.9	7113.3	7297.8	7352.3	7205.0	6883.0	6504.2	6319.6	6323.3
40°	7166.6	7223.5	7403.1	7645.8	7827.8	7842.6	7647.0	7291.6	6896.6	6705.9	6728.3
42.5°	7658.2	7713.9	7928.0	8202.9	8363.9	8388.7	8159.6	7749.7	7339.9	7185.1	7209.9
45°	8096.5	8141.0	8388.7	8708.1	8908.7	8973.0	8702.0	8274.8	7819.1	7668.0	7674.2
47.5°	8402.3	8460.5	8732.9	9109.2	9401.5	9500.6	9234.3	8786.1	8290.9	8107.6	8123.7
50°	8679.6	8710.6	8986.7	9397.7	9769.2	9973.5	9745.7	9291.3	8767.5	8573.1	8590.5
52.5°	8834.4	8874.0	9141.5	9569.9	10009.4	10338.8	10200.1	9745.7	9228.1	9038.7	9059.8
55°	8726.6	8756.4	9077.1	9608.3	10158.0	10564.1	10585.2	10190.2	9680.1	9514.2	9573.6
57.5°	8236.4	8273.5	8664.8	9360.7	10176.6	10716.4	10874.9	10602.5	10102.3	9967.4	10002.0
60°	7469.9	7493.5	7910.7	8693.2	9815.1	10779.6	11059.4	10939.3	10515.9	10380.9	10427.9
62.5°	6104.2	6138.9	6637.8	7686.6	9051.1	10592.6	11237.7	11217.9	10900.9	10777.1	10819.2
65°	4172.7	4233.3	4785.5	6111.6	7873.5	10020.6	11399.9	11542.2	11241.5	11085.4	11141.1
67.5°	2519.6	2564.3	2964.2	4035.2	6025.0	8866.6	11232.8	11911.2	11481.6	11230.3	11276.1
68°	2252.2	2293.1	2627.4	3641.5	5573.1	8541.0	11080.5	11953.3	11507.6	11227.8	11268.7
70°	1360.7	1388.0	1612.1	2251.0	3715.8	6775.3	10041.6	11918.7	11673.5	11262.5	11286.0
72.5°	886.6	895.2	932.4	1155.2	1898.1	3788.8	7536.8	11106.5	11922.4	11464.3	11460.6
75°	736.8	731.7	735.5	761.4	936.0	1661.6	4404.2	8773.7	11365.3	11146.1	11068.1
77.5°	622.8	619.1	617.9	619.1	626.6	802.3	1911.7	5465.3	8696.9	9859.6	9928.9
80°	504.0	499.0	515.1	507.7	485.3	499.0	801.1	2273.3	4099.6	4410.4	4133.0
82.5°	366.5	347.9	417.2	397.5	378.9	351.7	442.0	734.2	978.1	671.1	471.7
85°	282.3	262.5	317.0	304.6	260.0	179.5	262.5	359.1	396.2	226.6	178.3
87.5°	115.1	121.4	229.1	180.8	152.3	86.6	107.7	143.6	193.1	96.6	74.2
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)