

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: P383690

Luminaire Tested: **GLEON-SA9D-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383690
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-SA9D-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67880 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 575
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

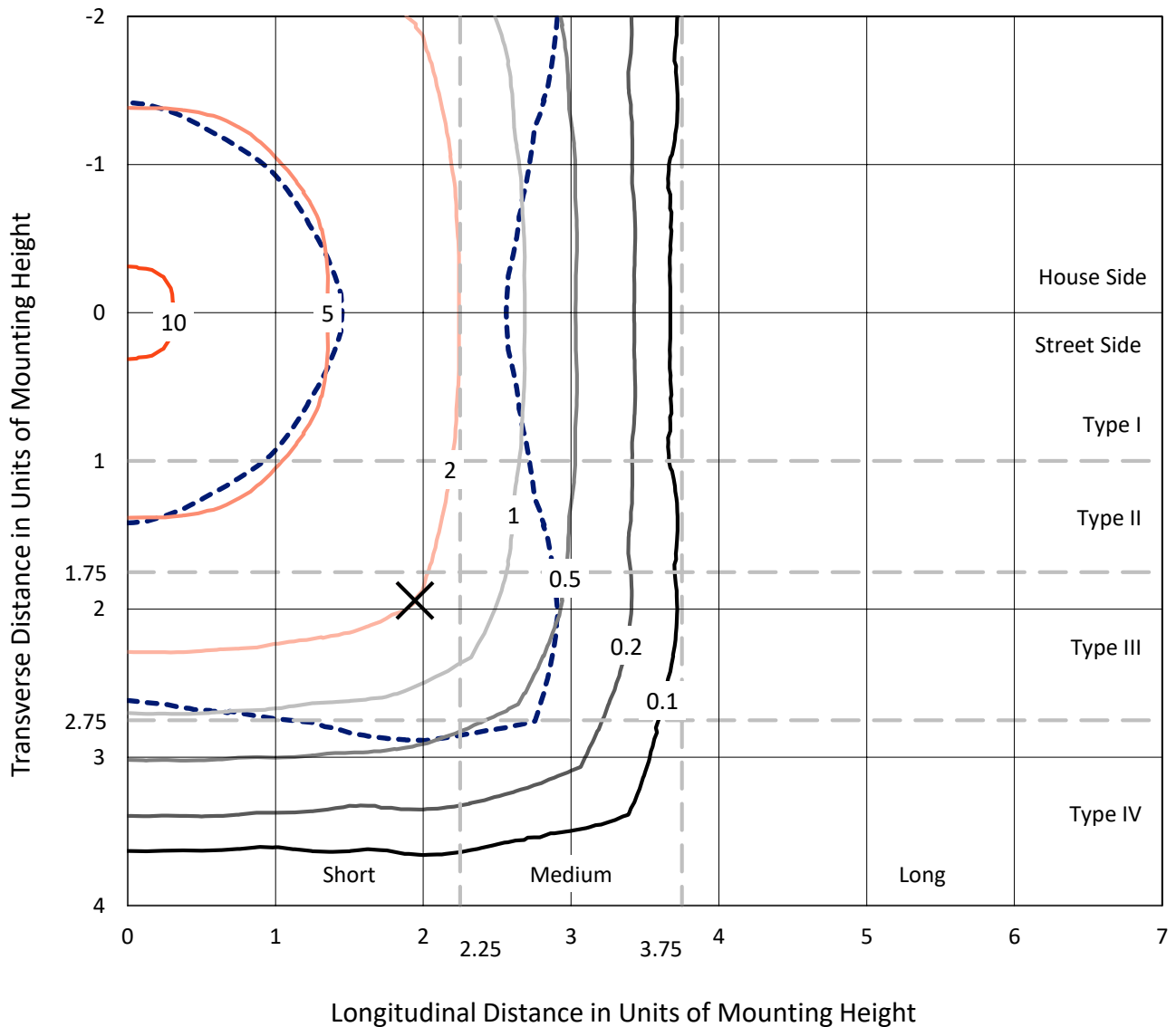




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Iso-Footcandle Lines of Horizontal Illumination

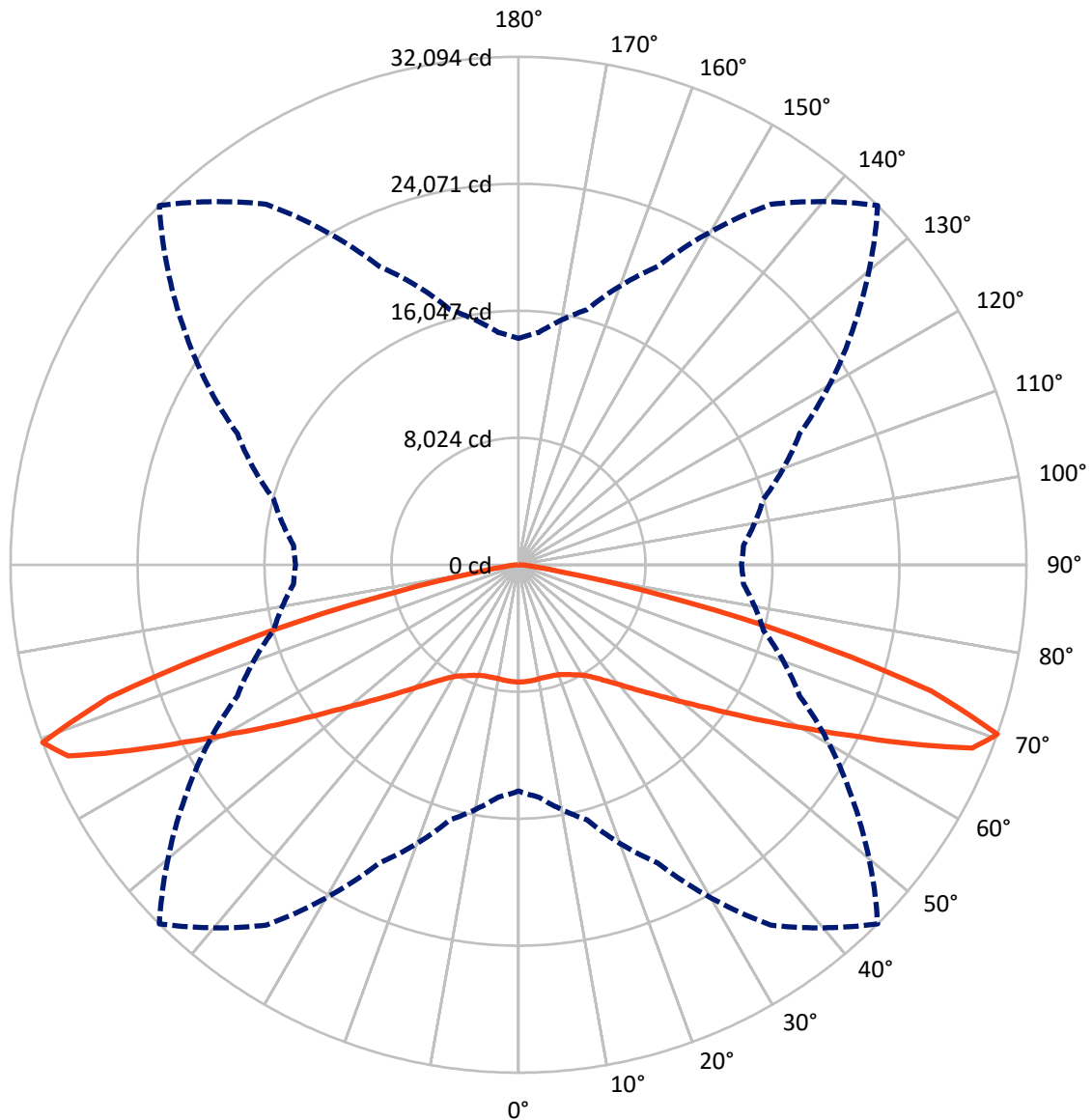
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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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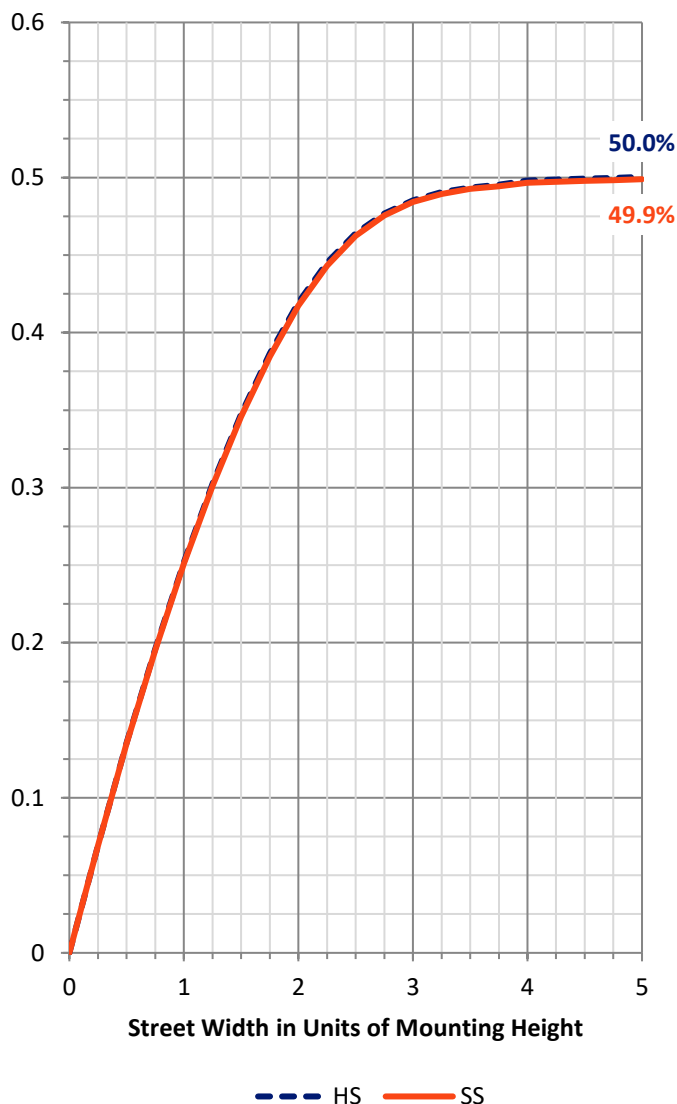
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33940.0	0.0	33940.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33940.0	0.0	33940.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	67880.0	0.0	67880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	702.1	1.0
10°-20°	2061.3	3.0
20°-30°	3509.0	5.2
30°-40°	5565.3	8.2
40°-50°	9056.4	13.3
50°-60°	14932.4	22.0
60°-70°	21921.1	32.3
70°-80°	9693.5	14.3
80°-90°	439.0	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°	67880.0	100.0
0°-180°	67880.0	100.0

Coefficient of Utilization

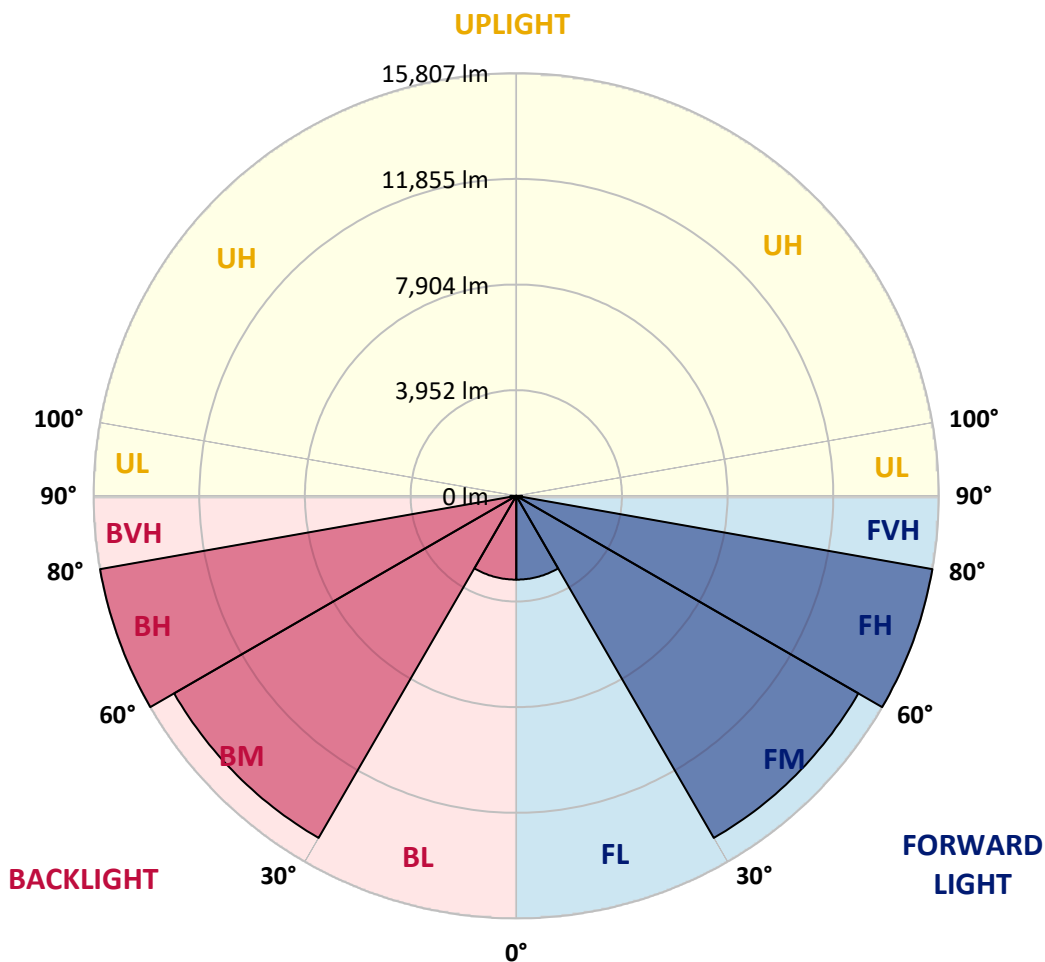


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3136.2	4.6			
FM (30°-60°)	14777.0	21.8			
FH (60°-80°)	15807.3	23.3			G5
FVH (80°-90°)	219.5	0.3			G2/225
BL (0°-30°)	3136.2	4.6	B4/5000		
BM (30°-60°)	14777.0	21.8	B5		
BH (60°-80°)	15807.3	23.3	B5		G5
BVH (80°-90°)	219.5	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°	7413.5	7413.5	7413.5	7413.5	7413.5	7413.5	7413.5	7413.5	7413.5	7413.5	7413.5
2.5°	7402.4	7395.6	7411.3	7409.1	7395.6	7397.8	7397.8	7404.6	7404.6	7400.0	7400.0
5°	7375.3	7370.9	7388.8	7388.8	7375.3	7379.8	7384.4	7391.1	7388.8	7384.4	7382.1
7.5°	7341.6	7339.4	7357.4	7357.4	7348.4	7352.9	7348.4	7350.7	7346.2	7341.6	7334.9
10°	7285.5	7290.0	7305.8	7310.2	7310.2	7312.5	7308.0	7296.7	7290.0	7283.2	7276.5
12.5°	7233.8	7231.6	7254.1	7265.3	7283.2	7303.5	7290.0	7258.5	7245.0	7231.6	7227.1
15°	7200.1	7202.4	7224.8	7245.0	7276.5	7319.2	7303.5	7254.1	7227.1	7211.4	7206.9
17.5°	7193.4	7197.9	7227.1	7263.0	7296.7	7343.9	7334.9	7285.5	7240.5	7211.4	7204.6
20°	7209.2	7211.4	7256.3	7308.0	7366.4	7411.3	7391.1	7337.1	7276.5	7231.6	7220.3
22.5°	7238.3	7247.3	7303.5	7384.4	7474.2	7534.8	7510.1	7418.0	7323.7	7267.6	7251.8
25°	7330.4	7332.7	7409.1	7519.2	7627.0	7696.6	7667.4	7537.2	7415.8	7352.9	7332.7
27.5°	7521.4	7528.1	7604.5	7732.6	7824.6	7869.6	7851.6	7746.0	7642.7	7575.3	7582.1
30°	7797.7	7806.7	7892.1	8033.6	8089.7	8101.0	8096.5	8047.1	7952.7	7862.8	7869.6
32.5°	8134.6	8139.2	8253.8	8381.8	8426.8	8435.7	8426.8	8381.8	8269.4	8148.2	8155.0
35°	8568.3	8581.8	8691.8	8815.4	8851.4	8869.3	8853.6	8795.2	8678.4	8559.2	8554.8
37.5°	9103.0	9105.2	9219.8	9347.8	9392.7	9397.3	9379.3	9341.1	9195.0	9087.2	9080.4
40°	9723.0	9732.0	9866.8	10003.8	10021.8	10001.6	10026.2	10003.8	9853.3	9729.7	9749.9
42.5°	10477.9	10498.1	10659.8	10794.6	10742.9	10731.7	10747.5	10754.2	10632.9	10482.3	10468.8
45°	11356.2	11374.2	11576.3	11684.2	11650.5	11576.3	11607.8	11661.8	11493.2	11306.8	11324.7
47.5°	12358.2	12403.1	12618.7	12719.8	12636.7	12535.6	12596.3	12677.2	12479.5	12248.1	12236.9
50°	13472.4	13528.6	13816.2	13957.7	13874.6	13688.2	13789.2	13843.2	13557.8	13259.0	13234.3
52.5°	14660.9	14717.1	15078.7	15370.7	15316.9	15027.1	15168.6	15112.4	14784.4	14382.3	14350.9
55°	16006.5	16029.0	16419.9	16891.7	16945.6	16732.2	16723.1	16631.1	16145.9	15680.8	15658.3
57.5°	17390.4	17406.2	17911.6	18468.8	18722.6	18722.6	18471.0	18275.6	17630.7	17091.6	17035.5
60°	18884.3	18940.5	19499.9	20257.0	20850.1	21025.3	20580.5	20048.0	19347.1	18688.9	18623.8
62.5°	20214.3	20279.4	21135.3	22263.1	23215.7	23853.7	22766.4	21899.2	20623.2	19567.3	19443.7
65°	20382.8	20558.0	21804.8	23847.0	25978.9	27252.7	25167.9	23031.4	20706.3	19239.3	19113.5
67.5°	18614.7	18911.3	20596.2	23775.1	28180.5	30914.5	26702.3	22384.4	19214.6	17592.6	17453.3
70°	14303.6	14735.0	16678.2	20796.1	27800.8	32094.0	25740.8	19596.5	16020.0	14274.5	14079.0
72.5°	7847.2	8024.6	9772.4	14240.8	22287.8	27272.9	21470.1	14490.1	10623.8	8644.7	8316.7
75°	2489.2	2552.1	3441.7	5827.5	12607.6	18064.4	13638.7	7112.6	3915.7	2886.8	2853.1
77.5°	1105.3	1112.0	1244.5	1700.6	4342.5	9152.4	5216.5	1936.5	1334.4	1165.9	1204.1
80°	698.7	698.7	770.6	842.5	1181.7	2657.6	1410.8	921.1	786.3	730.1	745.9
82.5°	334.7	370.7	501.0	539.2	649.3	894.1	723.3	602.1	525.7	390.9	364.0
85°	220.1	184.3	316.7	357.2	377.5	429.1	420.1	397.7	343.7	195.4	217.9
87.5°	98.8	94.4	164.0	150.5	141.5	107.9	161.7	199.9	193.2	96.6	96.6
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)