

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: P534256

Luminaire Tested: **GALN-SA9D-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9D-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57528 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

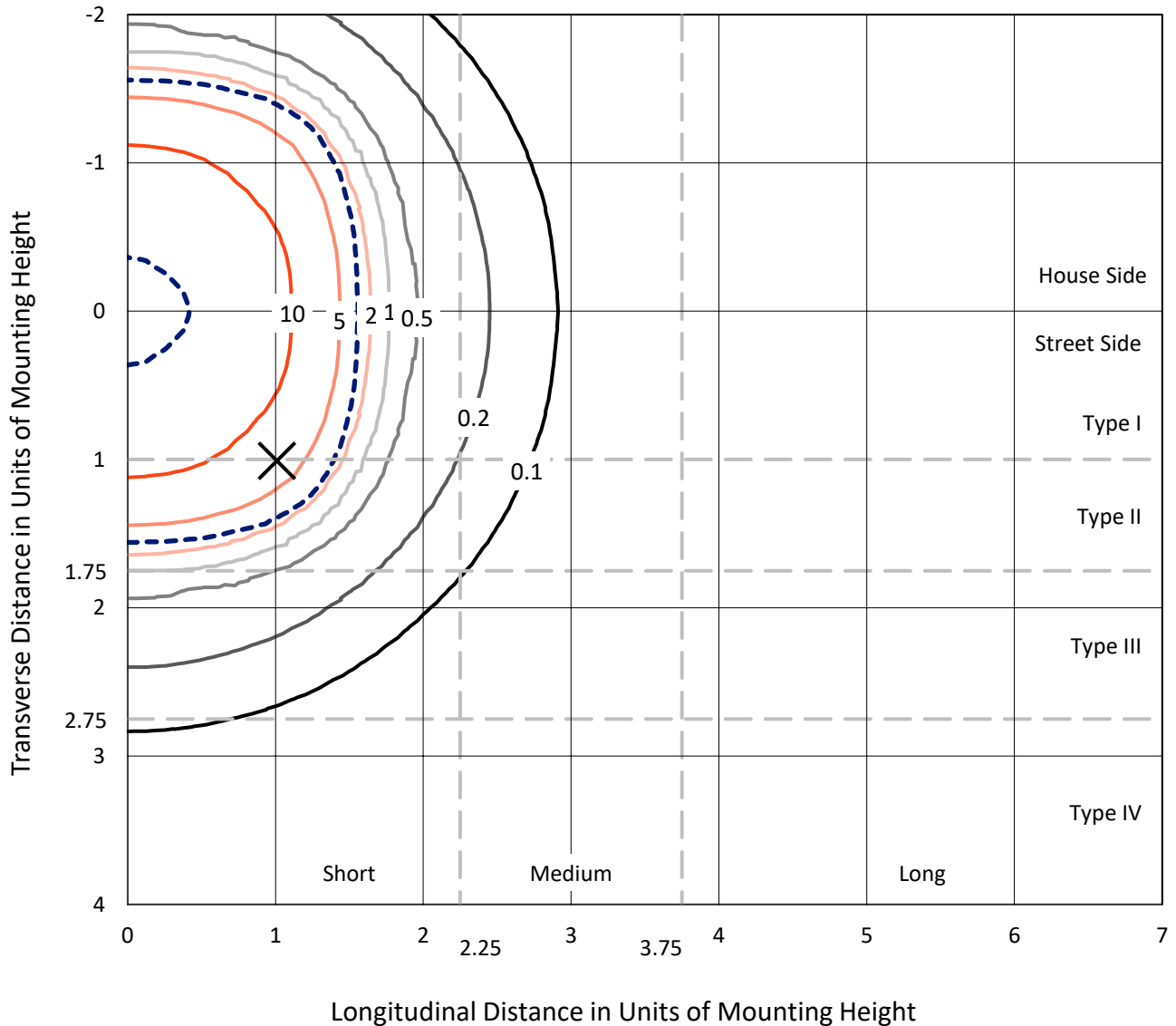
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

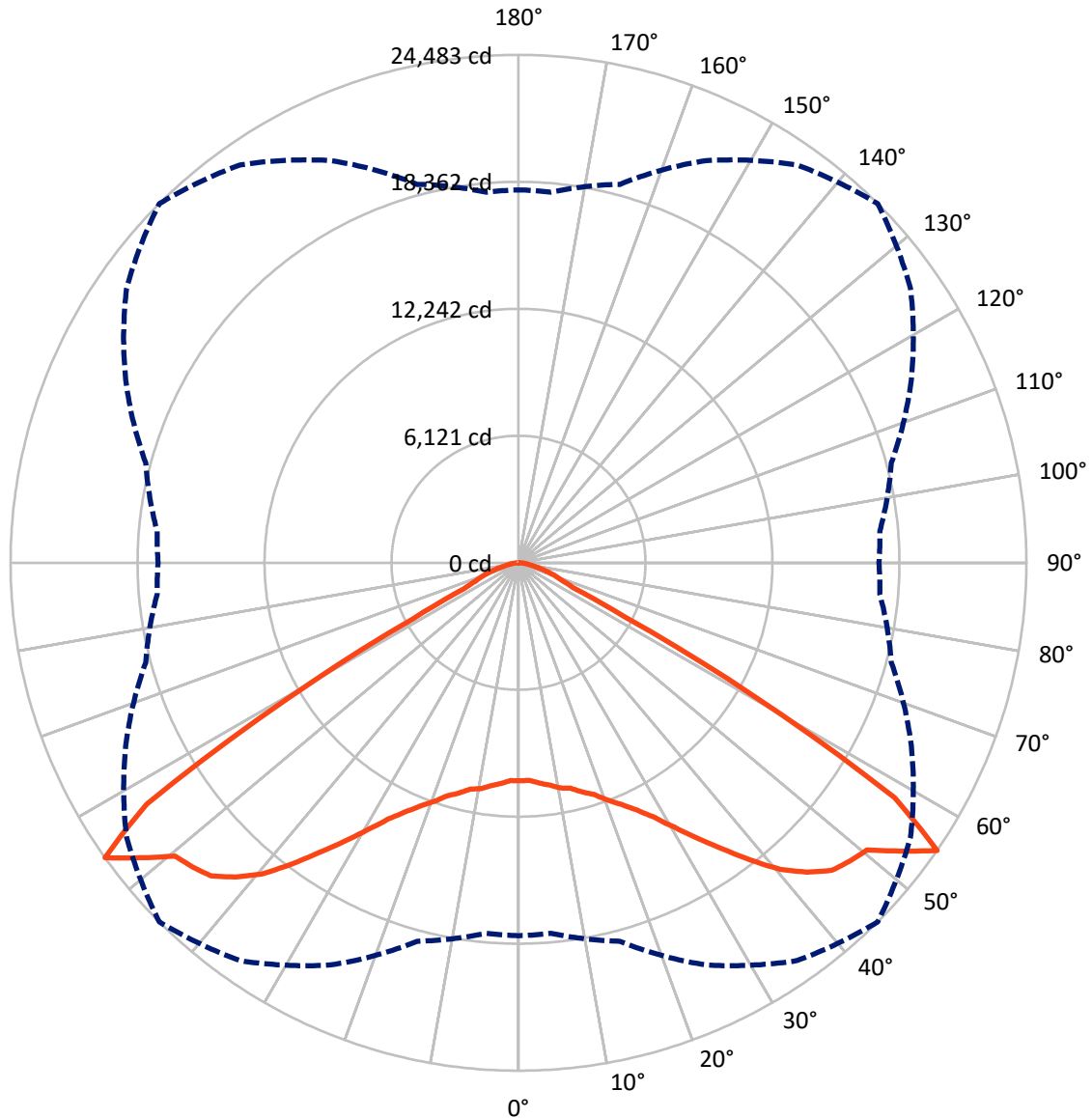
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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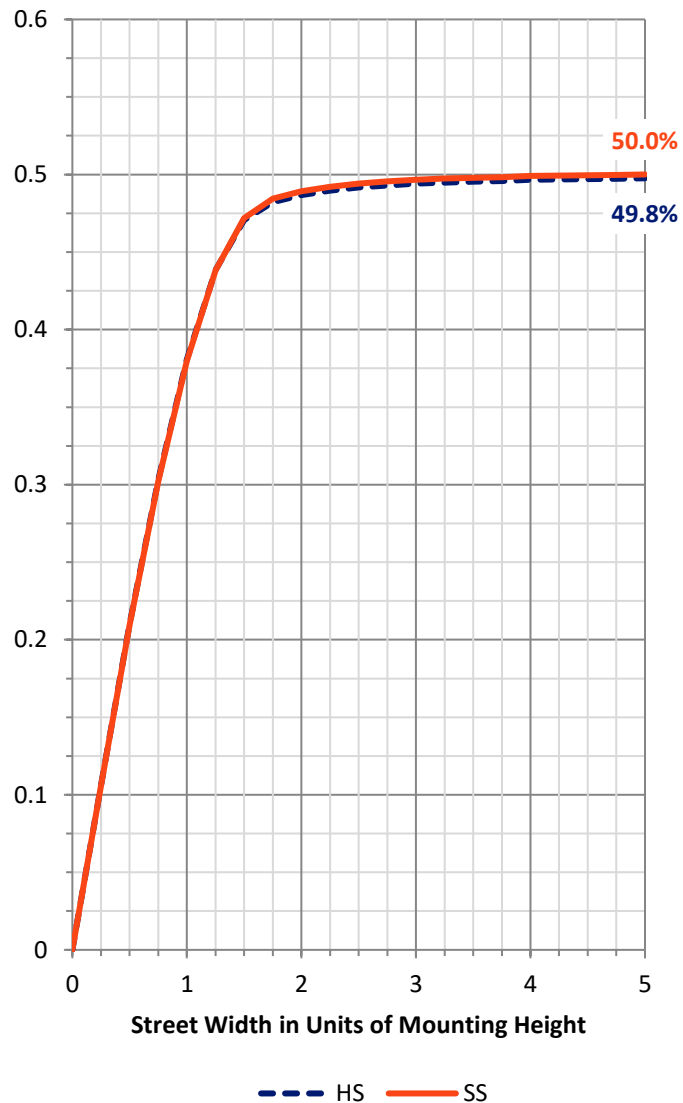
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28764.0	0.0	28764.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28764.0	0.0	28764.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	57528.0	0.0	57528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1026.1	1.8
10°-20°	3251.3	5.7
20°-30°	6062.6	10.5
30°-40°	10150.7	17.6
40°-50°	15795.3	27.5
50°-60°	16400.5	28.5
60°-70°	3478.0	6.0
70°-80°	1145.4	2.0
80°-90°	218.1	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°	57528.0	100.0
0°-180°	57528.0	100.0

Coefficient of Utilization



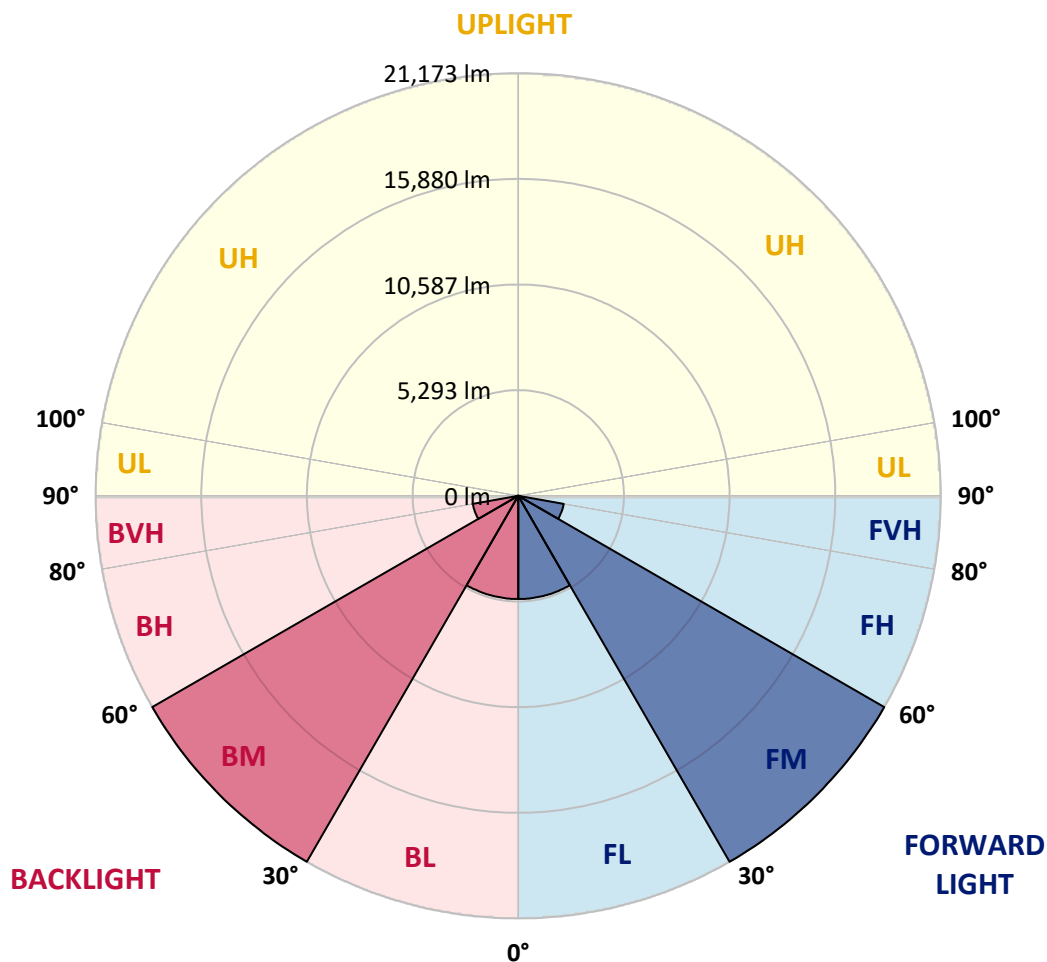
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5170.0	9.0			
FM (30°-60°)	21173.2	36.8			
FH (60°-80°)	2311.7	4.0			G2/5000
FVH (80°-90°)	109.1	0.2			G2/225
BL (0°-30°)	5170.0	9.0	B5		
BM (30°-60°)	21173.2	36.8	B5		
BH (60°-80°)	2311.7	4.0	B3/2500		G2/5000
BVH (80°-90°)	109.1	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10503.8	10503.8	10503.8	10503.8	10503.8	10503.8	10503.8	10503.8	10503.8	10503.8	10503.8
2.5°	10628.9	10580.2	10496.8	10559.4	10608.0	10503.8	10545.5	10566.3	10552.4	10496.8	10517.7
5°	10781.8	10754.0	10684.5	10733.2	10670.6	10670.6	10628.9	10573.3	10656.7	10642.8	10677.5
7.5°	10781.8	10747.1	10886.1	10795.7	10823.5	10823.5	10754.0	10698.4	10740.1	10677.5	10642.8
10°	10997.3	11046.0	10983.4	11004.3	10990.4	11039.0	10934.7	10900.0	10865.2	10844.4	10802.7
12.5°	11254.5	11219.8	11240.6	11226.7	11275.4	11150.2	11087.7	11011.2	11073.8	10983.4	11046.0
15°	11463.1	11442.2	11463.1	11518.7	11470.0	11463.1	11351.8	11275.4	11178.1	11198.9	11101.6
17.5°	11748.1	11727.2	11734.2	11782.8	11775.9	11741.1	11657.7	11511.7	11477.0	11421.4	11358.8
20°	12172.1	12137.4	12123.5	12144.3	12179.1	12206.9	12040.0	11984.4	11866.3	11775.9	11671.6
22.5°	12533.6	12519.7	12575.3	12484.9	12561.4	12644.8	12484.9	12457.1	12165.2	12116.5	12005.3
25°	13034.1	13013.3	12978.5	13110.6	13200.9	13194.0	13041.1	12888.1	12665.7	12610.1	12610.1
27.5°	13562.4	13444.2	13625.0	13659.7	13819.6	13868.3	13736.2	13513.8	13305.2	13187.0	13214.8
30°	14222.8	14111.6	14153.3	14403.6	14612.1	14792.8	14459.2	14132.5	13840.5	13631.9	13597.2
32.5°	14883.2	14772.0	14897.1	15140.4	15557.5	15828.6	15501.9	14931.9	14591.3	14285.4	14347.9
35°	15418.5	15501.9	15703.5	16071.9	16502.9	16940.9	16419.5	15981.6	15494.9	15154.3	15203.0
37.5°	16280.5	16537.7	16697.6	17121.6	17733.3	18185.2	17643.0	17072.9	16551.6	16106.7	15953.8
40°	17406.6	17580.4	17761.1	18261.7	18984.6	19436.5	18922.1	18178.2	17663.8	17205.0	17184.2
42.5°	18644.0	18810.8	18998.5	19610.3	20041.2	20381.9	19909.2	19512.9	18942.9	18581.4	18560.6
45°	20083.0	19964.8	20173.3	20576.5	20938.0	21160.4	20854.6	20659.9	20249.8	19916.1	19881.4
47.5°	21042.3	20938.0	21313.4	21674.9	21730.5	21487.2	21549.7	21730.5	21299.5	20750.3	20924.1
50°	21598.4	21598.4	21848.6	22182.3	22078.0	21765.2	22258.8	22272.7	21841.7	21355.1	21355.1
52.5°	20632.1	20847.6	21556.7	22648.1	22995.6	23086.0	22974.8	22502.1	21375.9	20381.9	20333.2
55°	17976.6	17928.0	18887.3	21389.8	23412.7	24483.3	23065.2	20889.3	18602.3	17483.1	17371.9
57.5°	11692.5	11748.1	13180.1	15731.3	19380.9	21375.9	18984.6	15925.9	13180.1	11636.9	11782.8
60°	5262.3	5450.0	6318.9	8223.7	11358.8	12985.4	11386.6	8640.7	6631.8	5755.9	5832.3
62.5°	3023.9	3058.7	3093.4	3670.4	4838.3	5721.1	5026.0	3879.0	3420.2	3267.2	3267.2
65°	2551.2	2530.4	2537.3	2586.0	2711.1	2891.8	2815.4	2711.1	2725.0	2711.1	2690.2
67.5°	2168.9	2196.7	2175.8	2210.6	2217.5	2245.3	2294.0	2335.7	2342.7	2356.6	2342.7
70°	1779.6	1786.5	1800.4	1828.3	1835.2	1856.1	1925.6	1960.3	1981.2	1981.2	2009.0
72.5°	1362.5	1355.5	1369.5	1397.3	1432.0	1439.0	1501.5	1550.2	1578.0	1543.2	1550.2
75°	896.7	903.7	924.6	945.4	994.1	1042.7	1063.6	1112.2	1119.2	1133.1	1098.3
77.5°	535.3	549.2	570.0	611.7	653.4	695.2	743.8	778.6	792.5	778.6	736.9
80°	347.6	347.6	375.4	410.1	458.8	493.6	521.4	549.2	570.0	549.2	535.3
82.5°	215.5	215.5	250.3	292.0	326.7	347.6	389.3	424.0	444.9	431.0	410.1
85°	111.2	118.2	146.0	180.7	208.5	222.4	215.5	194.6	173.8	166.8	152.9
87.5°	34.8	34.8	41.7	41.7	34.8	34.8	41.7	34.8	41.7	41.7	41.7
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)