

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: P651164

Luminaire Tested: **GALN-SA1D-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-840-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3433.8 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

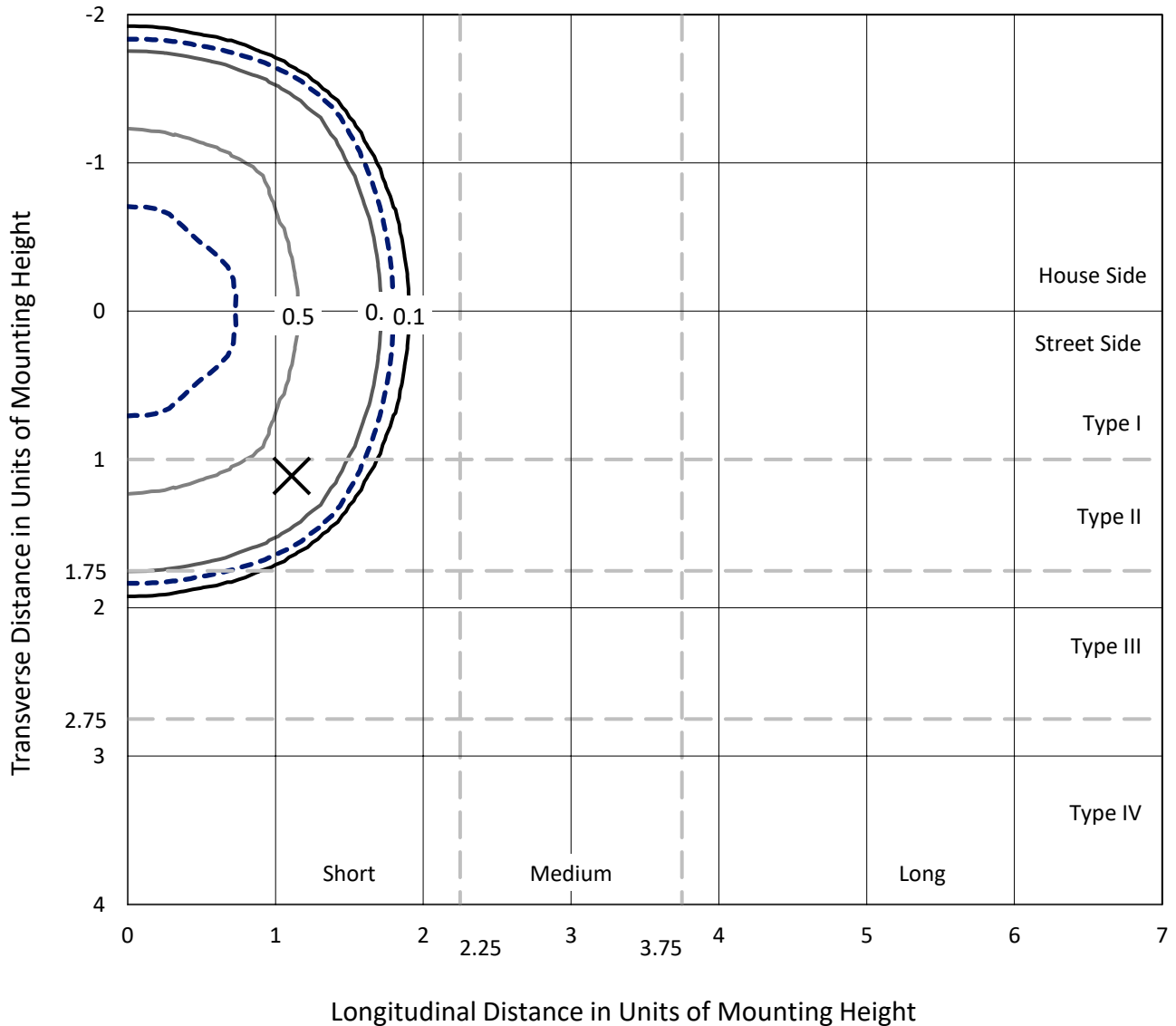
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

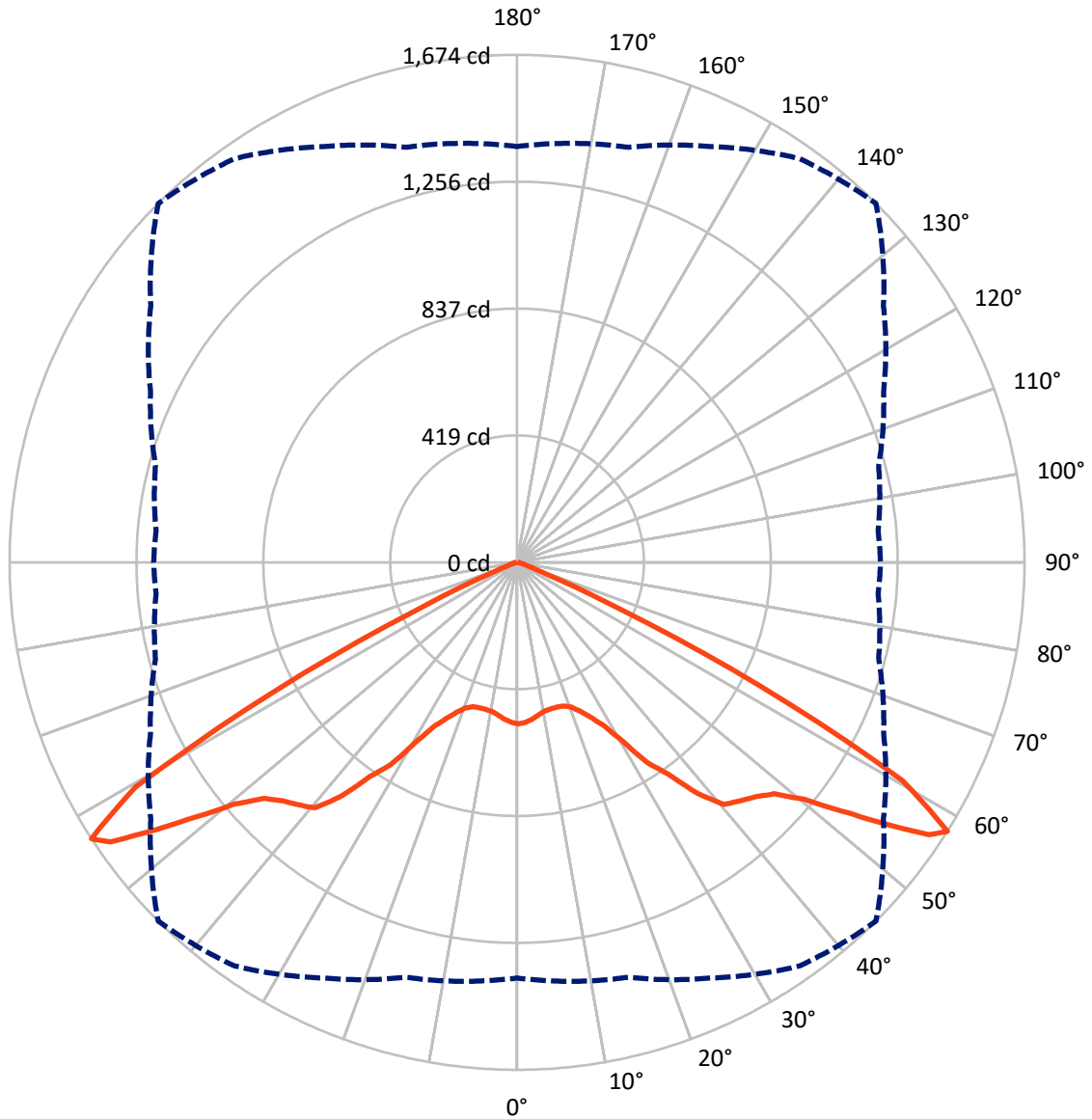
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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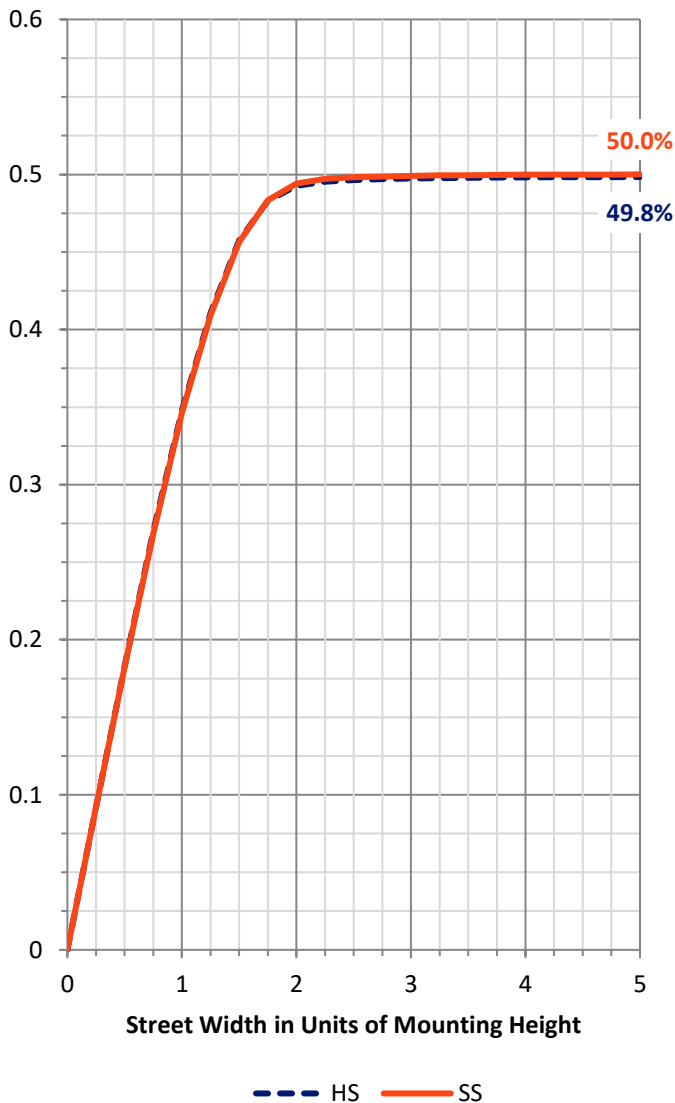
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1716.9	0.0	1716.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1716.9	0.0	1716.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3433.8	0.0	3433.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	1.4
10°-20°	141.5	4.1
20°-30°	261.1	7.6
30°-40°	513.6	15.0
40°-50°	836.5	24.4
50°-60°	1192.9	34.7
60°-70°	413.0	12.0
70°-80°	22.2	0.6
80°-90°	4.2	0.1
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°	3433.8	100.0
0°-180°	3433.8	100.0

Coefficient of Utilization

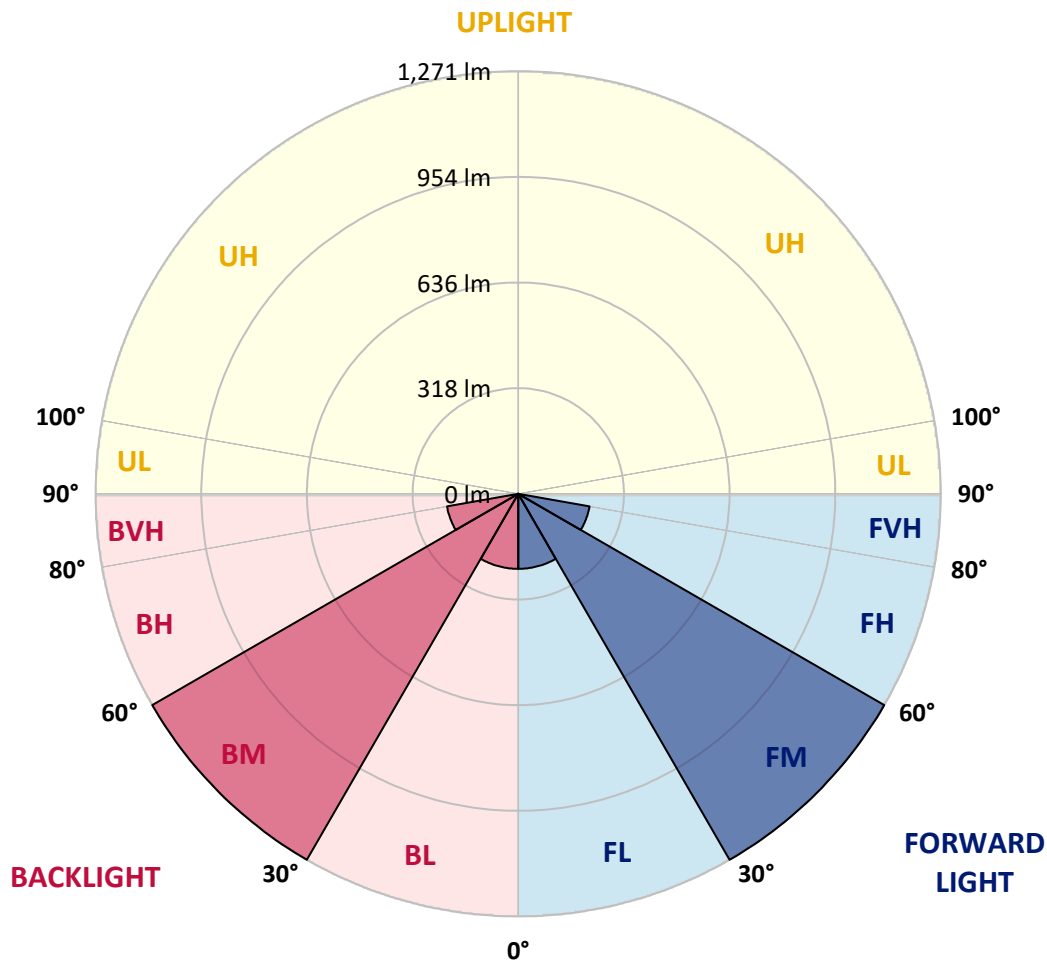


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.8	6.6			
FM (30°-60°)	1271.5	37.0			
FH (60°-80°)	217.6	6.3			G0/660
FVH (80°-90°)	2.1	0.1			G0/10
BL (0°-30°)	225.8	6.6	B1/500		
BM (30°-60°)	1271.5	37.0	B2/2500		
BH (60°-80°)	217.6	6.3	B1/500		G0/660
BVH (80°-90°)	2.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6
2.5°	531.2	534.0	530.5	529.1	528.3	528.3	526.2	526.2	525.5	526.2	523.4
5°	522.6	525.5	525.5	524.8	520.4	519.7	517.6	516.1	516.9	514.0	516.1
7.5°	514.0	516.1	513.3	512.6	511.2	508.3	507.5	501.2	501.8	501.8	503.3
10°	512.6	511.8	507.5	504.0	499.7	499.0	496.9	495.4	495.4	494.7	496.9
12.5°	512.6	509.0	508.3	500.4	493.2	496.1	490.4	486.8	491.8	493.2	496.1
15°	511.8	515.4	503.3	499.7	494.7	495.4	490.4	486.8	489.6	491.1	493.2
17.5°	516.1	514.0	510.4	503.3	501.2	498.3	491.8	489.0	489.0	492.5	493.2
20°	527.6	521.8	514.7	511.2	513.3	509.7	501.8	491.1	493.9	496.9	499.0
22.5°	538.3	534.0	529.1	526.9	539.1	533.4	519.7	507.5	503.3	508.3	511.8
25°	559.1	559.1	549.8	552.7	566.2	567.0	551.2	529.7	526.9	529.1	530.5
27.5°	601.3	603.5	595.6	598.5	604.2	609.2	595.6	577.7	571.3	570.5	572.7
30°	647.1	651.4	650.8	662.9	679.4	682.2	662.2	632.9	613.5	609.9	612.8
32.5°	707.3	709.5	708.0	722.3	766.7	787.5	735.2	693.7	667.9	674.4	667.9
35°	820.4	818.3	802.5	805.3	841.8	856.9	806.8	780.3	768.2	781.0	778.2
37.5°	917.8	909.9	897.0	915.6	953.5	967.2	914.9	868.3	846.2	867.7	877.0
40°	1000.1	980.0	962.2	980.8	1031.6	1050.2	973.6	935.7	927.0	942.8	962.9
42.5°	1069.5	1056.6	1033.0	1034.4	1068.1	1076.7	1015.1	993.0	984.3	1009.4	1019.5
45°	1119.0	1106.8	1084.6	1083.1	1108.9	1103.1	1048.1	1033.0	1038.0	1054.5	1059.5
47.5°	1144.0	1150.4	1137.5	1141.2	1154.7	1141.2	1097.4	1097.4	1086.0	1096.0	1091.0
50°	1216.3	1196.2	1212.7	1212.7	1227.0	1228.4	1184.8	1169.1	1138.3	1121.1	1121.1
52.5°	1300.8	1302.2	1308.7	1332.2	1356.6	1377.4	1315.1	1247.8	1196.2	1174.0	1171.2
55°	1370.2	1384.5	1410.3	1454.7	1524.8	1553.5	1446.1	1325.8	1262.8	1228.4	1221.3
56°	1408.2	1394.5	1439.0	1499.8	1591.4	1628.7	1467.5	1341.6	1272.1	1233.5	1232.7
57.5°	1371.7	1386.6	1417.4	1513.4	1625.7	1674.4	1475.5	1334.4	1234.9	1195.6	1199.1
60°	1083.1	1097.4	1139.0	1246.4	1422.5	1460.4	1248.5	1100.3	1011.6	955.0	955.7
62.5°	612.8	623.5	655.7	755.2	864.8	901.3	778.2	679.4	617.8	586.3	576.3
65°	225.5	221.2	226.2	277.0	344.3	375.1	323.6	273.5	241.3	229.8	225.5
67.5°	84.4	78.0	73.0	78.0	98.1	103.8	95.2	79.5	74.4	76.6	78.0
70°	52.2	49.4	39.4	37.3	36.5	35.8	37.9	40.1	45.8	53.7	55.1
72.5°	36.5	34.4	27.9	26.5	25.1	24.3	27.9	30.8	35.8	41.5	42.2
75°	14.3	15.1	14.3	15.7	16.5	17.2	20.0	22.2	24.3	24.3	23.6
77.5°	2.9	2.9	4.3	5.7	7.1	9.3	13.6	15.7	16.5	15.7	13.6
80°	0.0	0.0	1.4	2.9	5.7	7.9	12.2	13.6	15.1	13.6	10.8
82.5°	0.0	0.0	1.4	3.6	5.7	7.1	11.4	14.3	16.5	15.1	11.4
85°	0.0	0.0	1.4	2.9	4.3	5.0	5.0	3.6	3.6	2.2	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)