

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: P385427

Luminaire Tested: **GWC-SA1A-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1A-727-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4294 lumens
Efficiency: N/A
Efficacy: 126.3 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

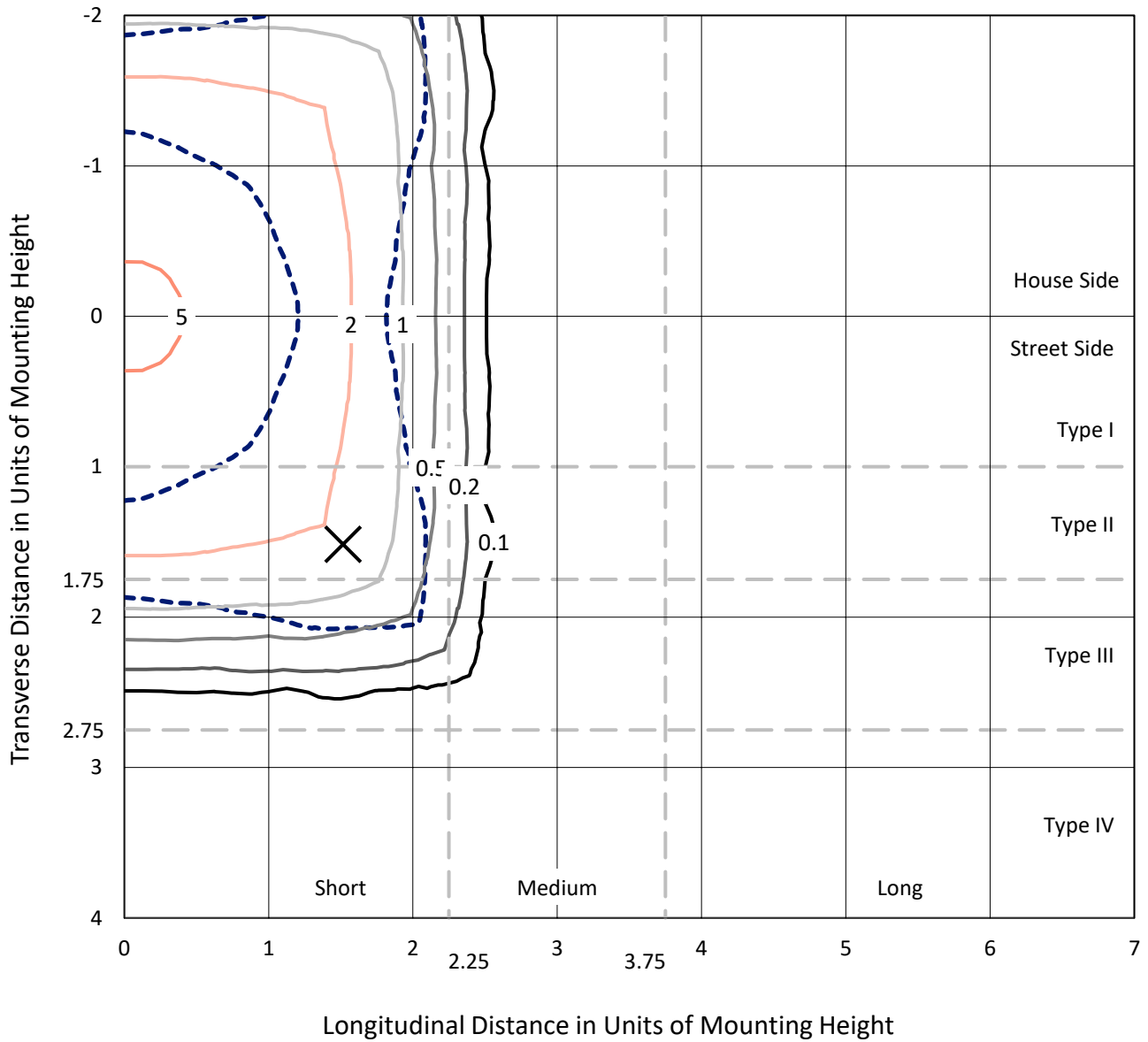
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

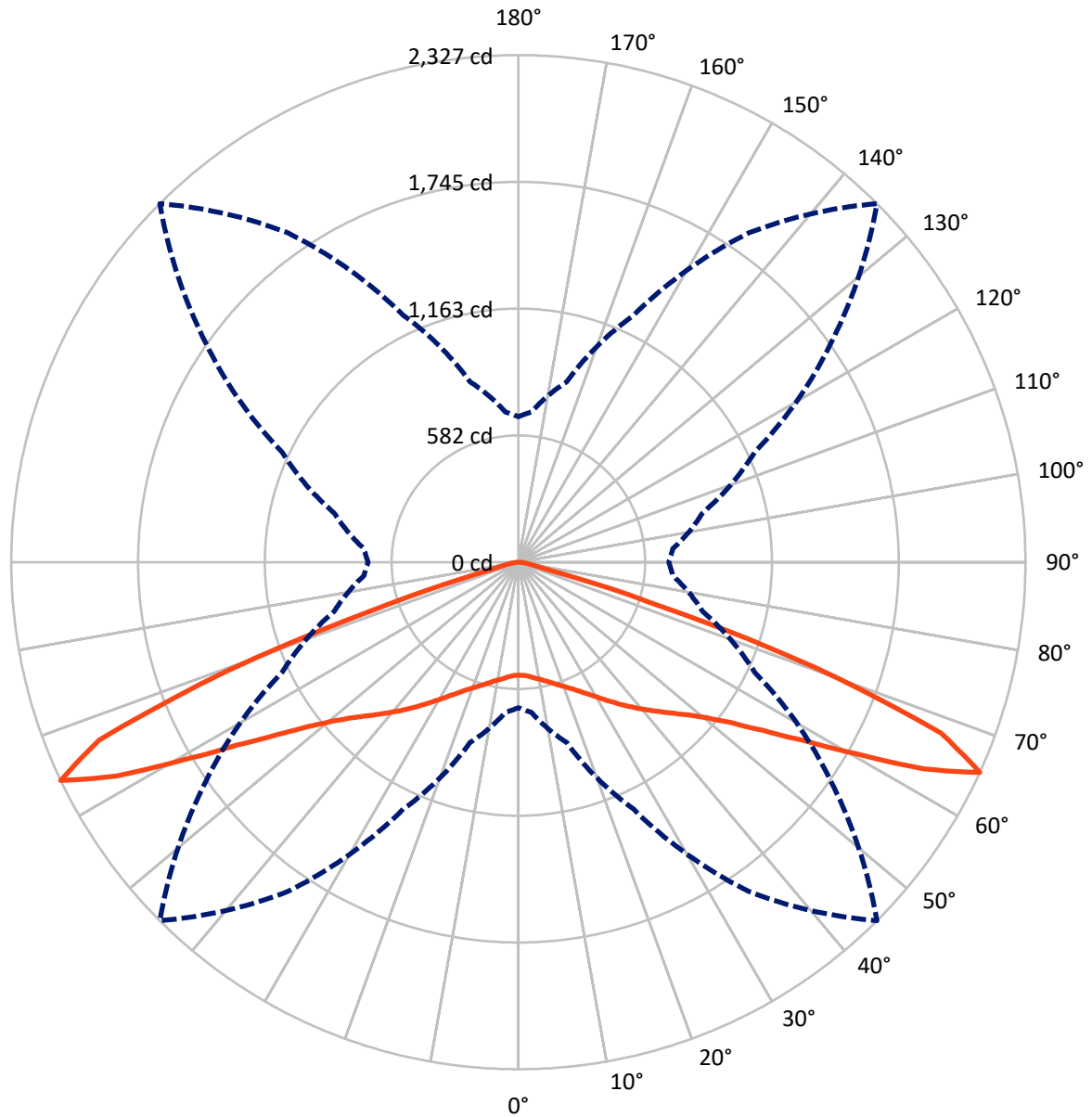
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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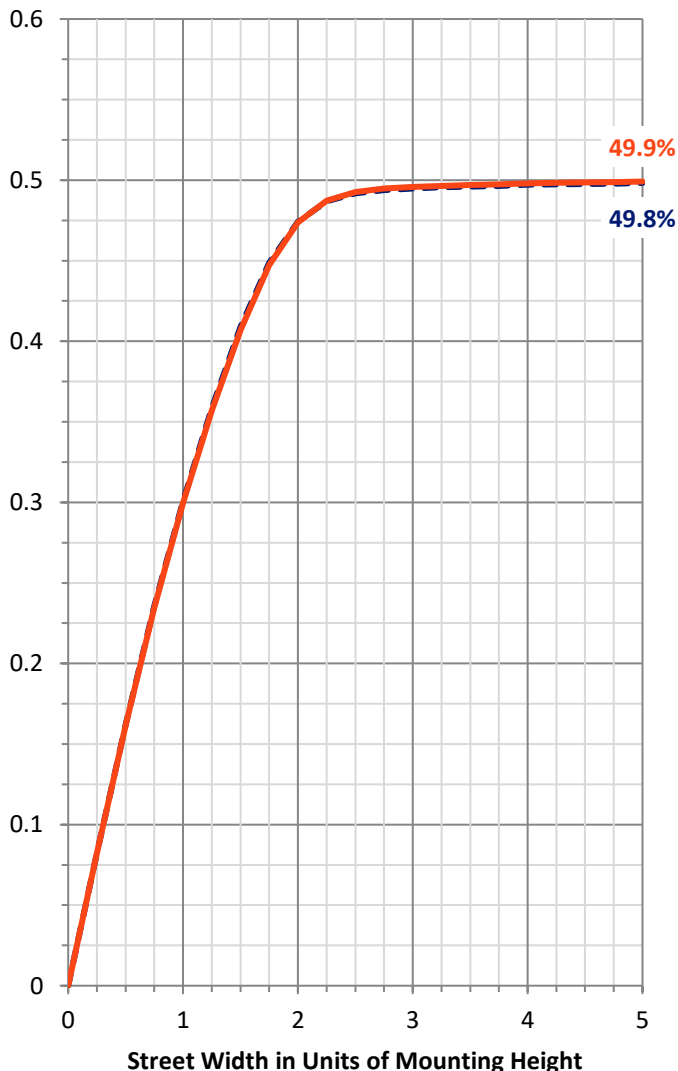
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2147.0	0.0	2147.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2147.0	0.0	2147.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4294.0	0.0	4294.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	1.2
10°-20°	163.5	3.8
20°-30°	306.8	7.1
30°-40°	507.4	11.8
40°-50°	785.9	18.3
50°-60°	1205.4	28.1
60°-70°	1124.8	26.2
70°-80°	130.9	3.0
80°-90°	18.4	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°	4294.0	100.0
0°-180°	4294.0	100.0

Coefficient of Utilization



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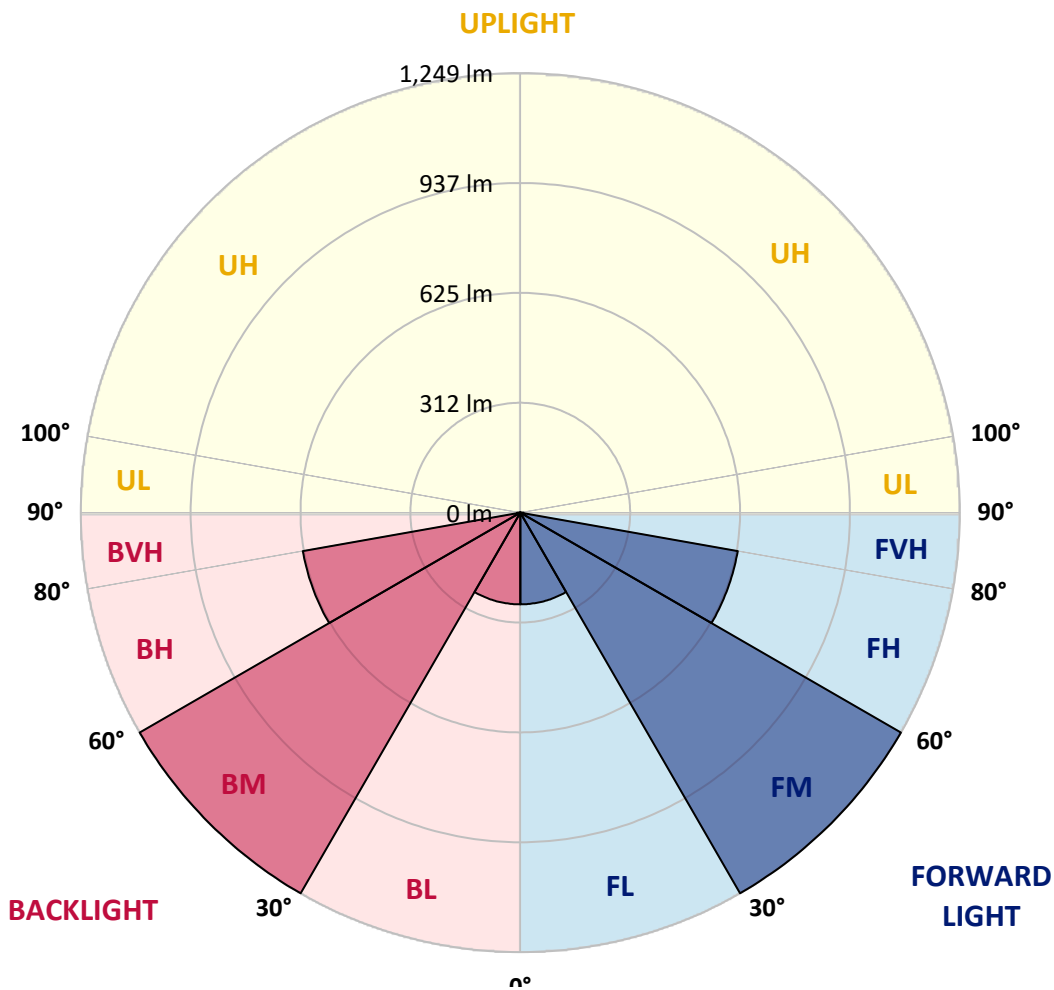
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	260.6	6.1			
FM (30°-60°)	1249.4	29.1			
FH (60°-80°)	627.8	14.6			G0/660
FVH (80°-90°)	9.2	0.2			G0/10
BL (0°-30°)	260.6	6.1	B1/500		
BM (30°-60°)	1249.4	29.1	B2/2500		
BH (60°-80°)	627.8	14.6	B2/1000		G0/660
BVH (80°-90°)	9.2	0.2			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°	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6
2.5°	520.3	520.0	520.3	520.4	519.6	520.0	519.8	520.6	520.8	520.6	520.6
5°	526.3	525.8	526.4	527.1	526.0	526.3	525.8	526.7	527.0	526.4	526.8
7.5°	534.5	534.7	535.2	536.5	535.8	536.4	535.5	535.7	535.5	534.7	534.8
10°	543.5	543.6	544.6	546.3	546.6	546.6	546.1	545.6	545.1	544.5	544.6
12.5°	554.3	555.0	555.8	557.9	557.9	559.0	558.8	557.6	556.6	555.8	555.8
15°	569.0	568.9	569.7	571.9	572.9	574.7	574.7	573.1	571.9	571.0	570.7
17.5°	584.4	584.8	585.4	588.0	589.5	591.7	592.0	590.7	589.8	588.7	588.0
20°	602.4	603.1	605.4	606.4	607.8	609.8	610.5	610.2	609.4	608.8	608.9
22.5°	623.3	625.2	626.6	628.0	629.7	631.2	631.9	632.9	632.0	631.6	631.3
25°	648.7	650.0	652.8	655.4	656.5	657.0	657.8	659.2	659.1	658.1	658.1
27.5°	677.5	679.9	683.5	687.2	687.2	685.8	688.6	691.0	690.2	688.9	687.2
30°	712.4	714.7	718.8	724.0	721.4	720.4	724.2	728.7	727.4	725.2	725.0
32.5°	750.0	752.2	757.6	763.2	759.9	758.4	762.6	769.0	766.7	762.4	759.9
35°	790.8	792.9	800.6	807.3	801.8	799.4	802.8	809.8	805.8	797.8	795.8
37.5°	835.1	836.3	846.3	853.1	849.2	842.8	847.1	852.2	848.8	839.1	835.3
40°	881.2	885.3	896.9	904.8	898.1	888.0	895.1	902.3	897.1	884.7	878.2
42.5°	934.9	938.0	953.4	960.6	949.7	935.5	945.2	954.9	949.7	937.8	932.1
45°	990.8	995.6	1014.0	1021.1	1005.5	987.4	999.2	1016.2	1015.7	998.5	992.5
47.5°	1051.6	1056.5	1078.4	1087.9	1070.9	1046.7	1063.3	1087.3	1085.6	1066.6	1061.8
50°	1121.9	1127.1	1154.4	1166.2	1150.4	1122.2	1147.3	1168.4	1165.3	1141.9	1142.3
52.5°	1210.2	1209.9	1243.9	1264.5	1248.2	1223.3	1246.4	1266.9	1253.9	1221.6	1220.6
55°	1287.4	1292.1	1334.3	1373.2	1372.2	1362.7	1371.9	1372.8	1335.7	1292.7	1287.4
57.5°	1338.2	1347.1	1406.6	1477.0	1529.7	1542.4	1524.4	1470.0	1383.2	1314.3	1305.9
60°	1306.9	1320.6	1414.0	1557.5	1712.9	1787.4	1686.1	1517.2	1346.3	1250.3	1238.9
62.5°	1096.3	1119.4	1256.0	1518.6	1870.5	2088.5	1803.3	1441.5	1199.5	1067.3	1047.8
65°	667.7	692.0	856.8	1249.9	1845.0	2326.8	1749.8	1196.5	875.5	711.1	690.0
67.5°	222.5	229.6	326.7	690.9	1450.0	2090.6	1452.5	716.3	381.0	252.6	245.2
70°	87.1	87.8	103.6	200.3	684.8	1435.9	755.6	203.8	108.3	85.7	87.5
72.5°	64.0	64.3	68.7	83.7	178.5	632.6	184.9	84.1	66.9	60.0	60.0
75°	51.5	51.5	54.6	61.0	80.0	145.1	81.1	60.3	52.3	47.9	47.3
77.5°	40.6	41.5	43.9	48.0	54.2	69.8	56.2	47.8	42.2	38.1	37.2
80°	30.2	31.1	35.1	37.1	38.9	48.5	41.5	37.3	33.4	28.5	27.7
82.5°	19.8	20.7	25.7	26.8	26.4	31.6	27.9	27.5	24.5	18.4	17.5
85°	13.0	13.3	17.1	17.8	16.4	14.4	17.8	18.8	17.1	12.0	11.5
87.5°	6.1	6.1	8.7	8.1	7.4	6.0	8.1	9.6	9.7	5.8	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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