

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: P316915

Luminaire Tested: **GLEON-SA1B-827-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316915
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: GLEON-SA1B-827-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4537 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

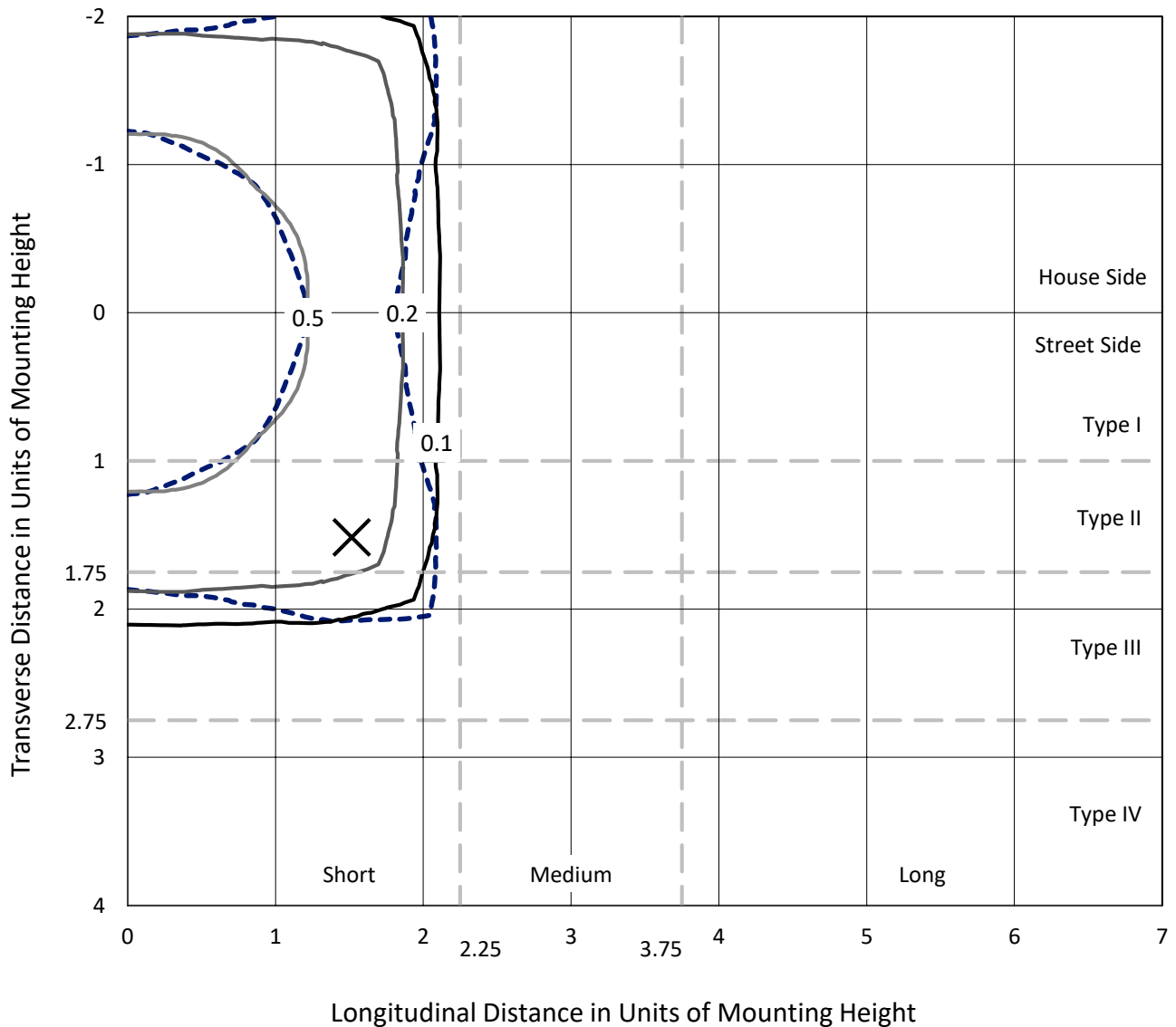
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

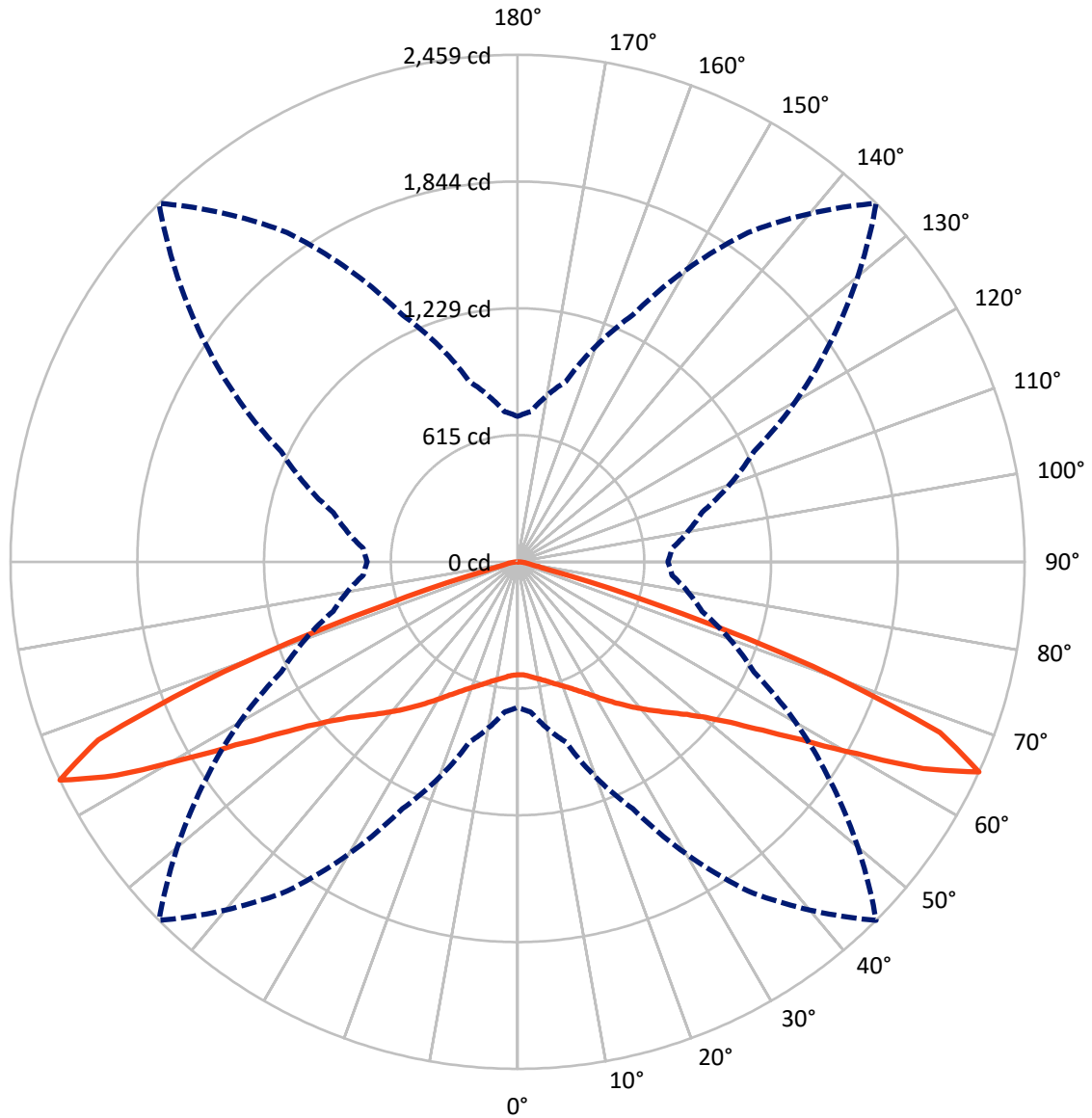
× Max cd
 - - - 1/2 Max cd



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 65-Deg Vertical



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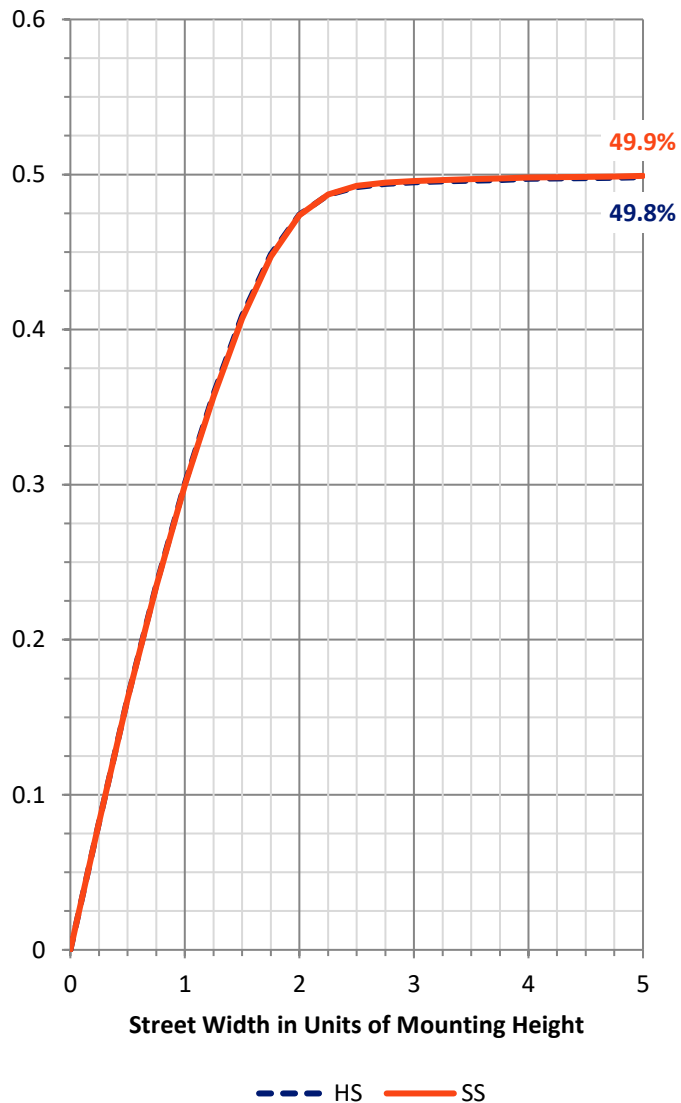
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2268.5	0.0	2268.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2268.5	0.0	2268.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4537.0	0.0	4537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.8	1.2
10°-20°	172.8	3.8
20°-30°	324.2	7.1
30°-40°	536.1	11.8
40°-50°	830.4	18.3
50°-60°	1273.6	28.1
60°-70°	1188.4	26.2
70°-80°	138.3	3.0
80°-90°	19.4	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°	4537.0	100.0
0°-180°	4537.0	100.0

Coefficient of Utilization



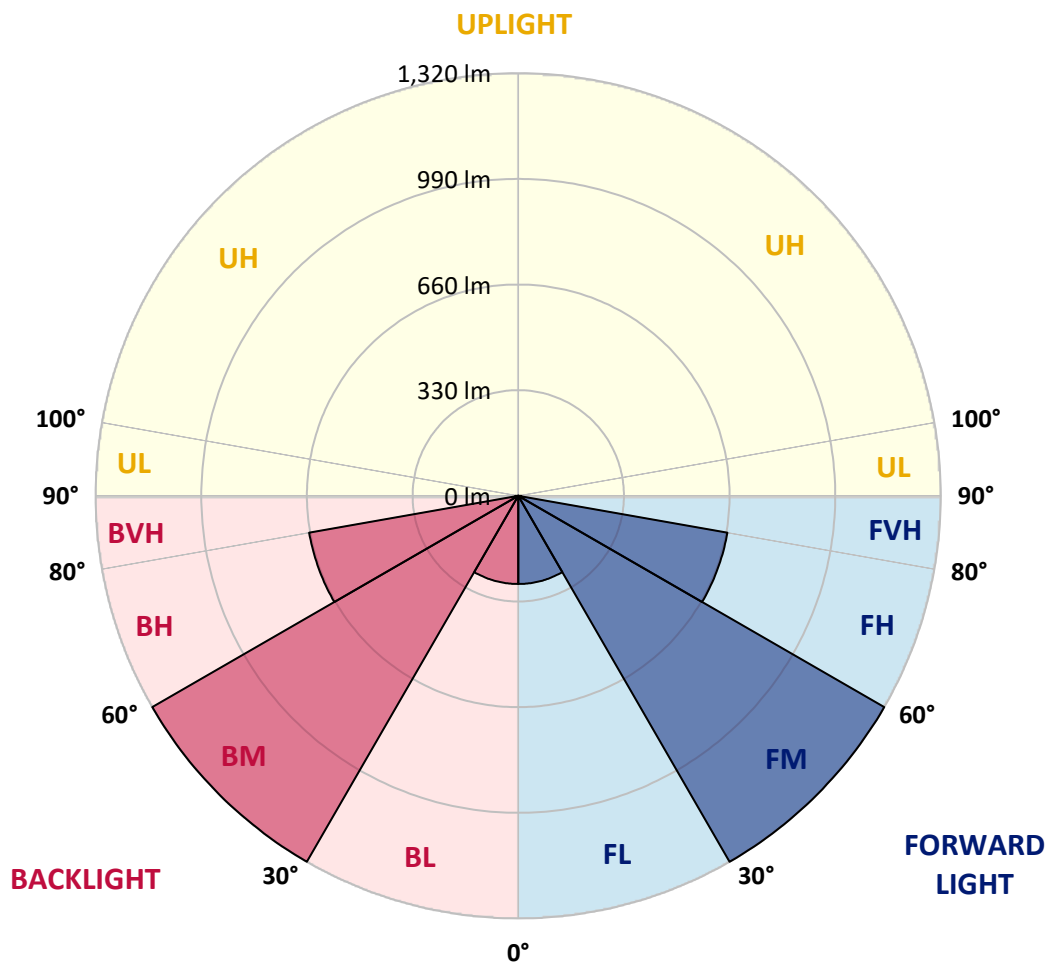
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.4	6.1			
FM (30°-60°)	1320.1	29.1			
FH (60°-80°)	663.4	14.6			G1/1800
FVH (80°-90°)	9.7	0.2			G0/10
BL (0°-30°)	275.4	6.1	B1/500		
BM (30°-60°)	1320.1	29.1	B2/2500		
BH (60°-80°)	663.4	14.6	B2/1000		G1/1800
BVH (80°-90°)	9.7	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9
2.5°	549.7	549.4	549.7	549.9	549.0	549.4	549.3	550.0	550.3	550.0	550.0
5°	556.0	555.6	556.2	556.9	555.7	556.0	555.6	556.5	556.8	556.2	556.6
7.5°	564.8	564.9	565.5	566.9	566.1	566.7	565.8	566.0	565.8	564.9	565.1
10°	574.3	574.4	575.5	577.3	577.6	577.6	577.0	576.5	575.9	575.3	575.5
12.5°	585.7	586.5	587.2	589.5	589.5	590.7	590.4	589.2	588.1	587.2	587.2
15°	601.2	601.1	602.0	604.2	605.3	607.2	607.2	605.6	604.2	603.3	603.0
17.5°	617.5	617.9	618.5	621.2	622.9	625.2	625.5	624.1	623.2	622.0	621.2
20°	636.5	637.2	639.6	640.7	642.2	644.3	645.0	644.7	643.8	643.2	643.4
22.5°	658.6	660.6	662.1	663.6	665.4	666.9	667.6	668.7	667.8	667.3	667.0
25°	685.4	686.8	689.8	692.5	693.7	694.1	695.0	696.5	696.4	695.3	695.3
27.5°	715.8	718.4	722.1	726.1	726.1	724.6	727.6	730.1	729.2	727.9	726.1
30°	752.7	755.1	759.5	764.9	762.2	761.2	765.2	769.9	768.5	766.3	766.0
32.5°	792.5	794.7	800.5	806.3	802.9	801.4	805.7	812.5	810.1	805.6	802.9
35°	835.6	837.8	845.9	853.0	847.2	844.6	848.2	855.6	851.4	842.9	840.8
37.5°	882.4	883.6	894.1	901.4	897.3	890.5	895.0	900.5	896.9	886.6	882.5
40°	931.0	935.4	947.6	956.0	949.0	938.3	945.8	953.3	947.9	934.8	927.9
42.5°	987.8	991.1	1007.4	1014.9	1003.5	988.4	998.7	1008.9	1003.5	990.8	984.8
45°	1046.9	1052.0	1071.4	1078.9	1062.4	1043.2	1055.7	1073.7	1073.2	1055.0	1048.7
47.5°	1111.2	1116.3	1139.5	1149.4	1131.5	1105.9	1123.5	1148.8	1147.0	1127.0	1121.9
50°	1185.4	1190.8	1219.7	1232.2	1215.5	1185.7	1212.2	1234.5	1231.2	1206.5	1206.9
52.5°	1278.6	1278.3	1314.3	1336.0	1318.8	1292.5	1316.9	1338.6	1324.9	1290.7	1289.6
55°	1360.3	1365.2	1409.8	1450.9	1449.9	1439.8	1449.6	1450.5	1411.3	1365.8	1360.3
57.5°	1413.9	1423.4	1486.2	1560.6	1616.3	1629.7	1610.7	1553.2	1461.5	1388.7	1379.8
60°	1380.9	1395.4	1494.0	1645.7	1809.8	1888.6	1781.5	1603.0	1422.5	1321.1	1309.1
62.5°	1158.3	1182.7	1327.1	1604.5	1976.4	2206.7	1905.3	1523.1	1267.3	1127.7	1107.1
65°	705.4	731.2	905.3	1320.7	1949.4	2458.5	1848.8	1264.2	925.0	751.4	729.1
67.5°	235.1	242.6	345.2	730.0	1532.1	2208.9	1534.7	756.8	402.6	266.9	259.0
70°	92.0	92.8	109.5	211.6	723.5	1517.2	798.4	215.4	114.5	90.5	92.5
72.5°	67.6	67.9	72.6	88.4	188.6	668.4	195.3	88.9	70.6	63.4	63.4
75°	54.4	54.4	57.7	64.5	84.5	153.3	85.7	63.7	55.3	50.6	50.0
77.5°	42.9	43.8	46.4	50.8	57.2	73.8	59.3	50.5	44.6	40.2	39.3
80°	31.9	32.8	37.0	39.2	41.1	51.2	43.8	39.5	35.2	30.1	29.2
82.5°	20.9	21.8	27.1	28.3	27.9	33.4	29.5	29.1	25.9	19.4	18.5
85°	13.7	14.0	18.1	18.8	17.3	15.2	18.8	19.9	18.1	12.7	12.2
87.5°	6.5	6.5	9.2	8.6	7.8	6.3	8.6	10.1	10.2	6.2	6.0
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)