

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: P526926

Luminaire Tested: **GALN-SA1D-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5277 lumens
Efficiency: N/A
Efficacy: 81.2 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): 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



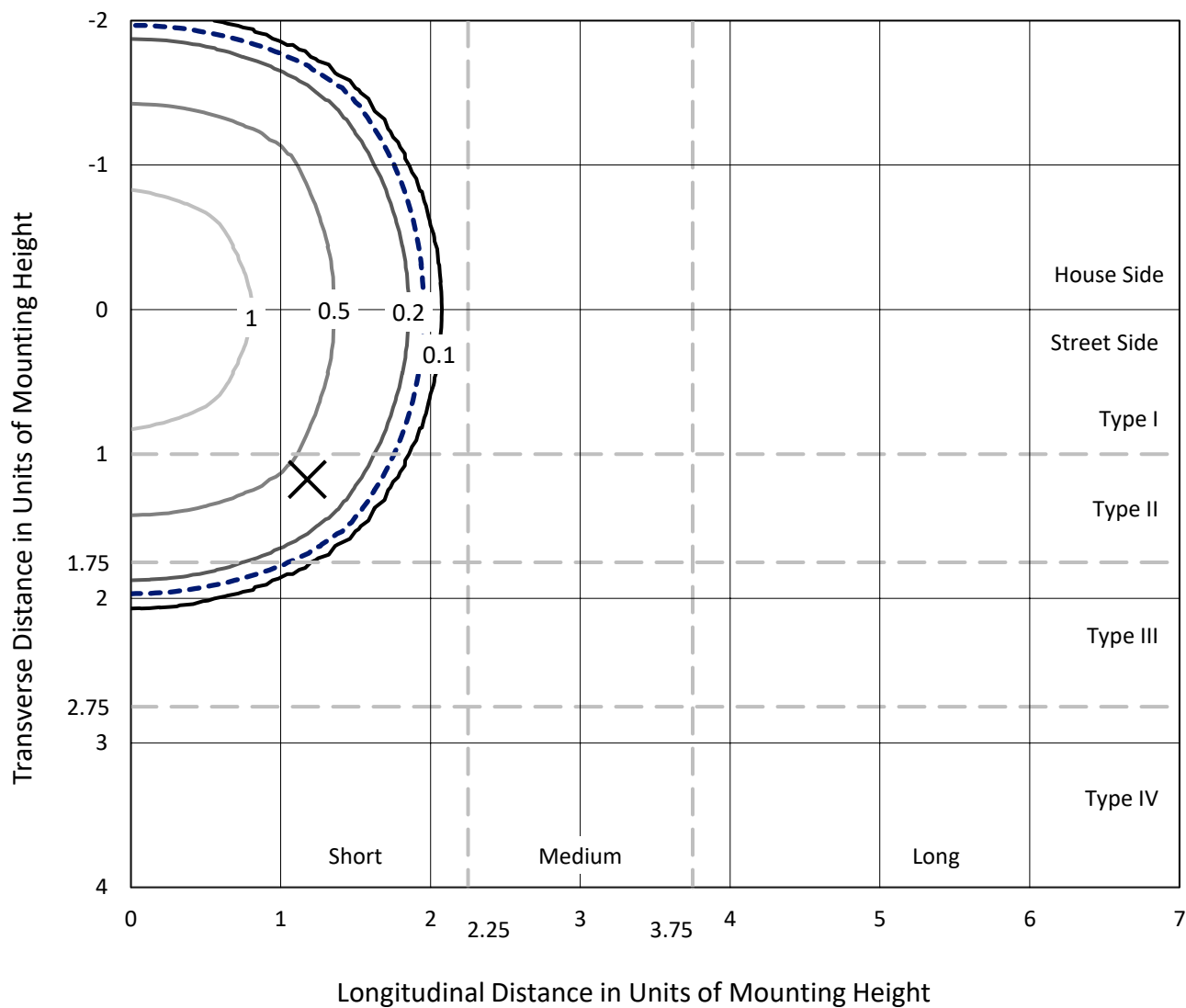
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

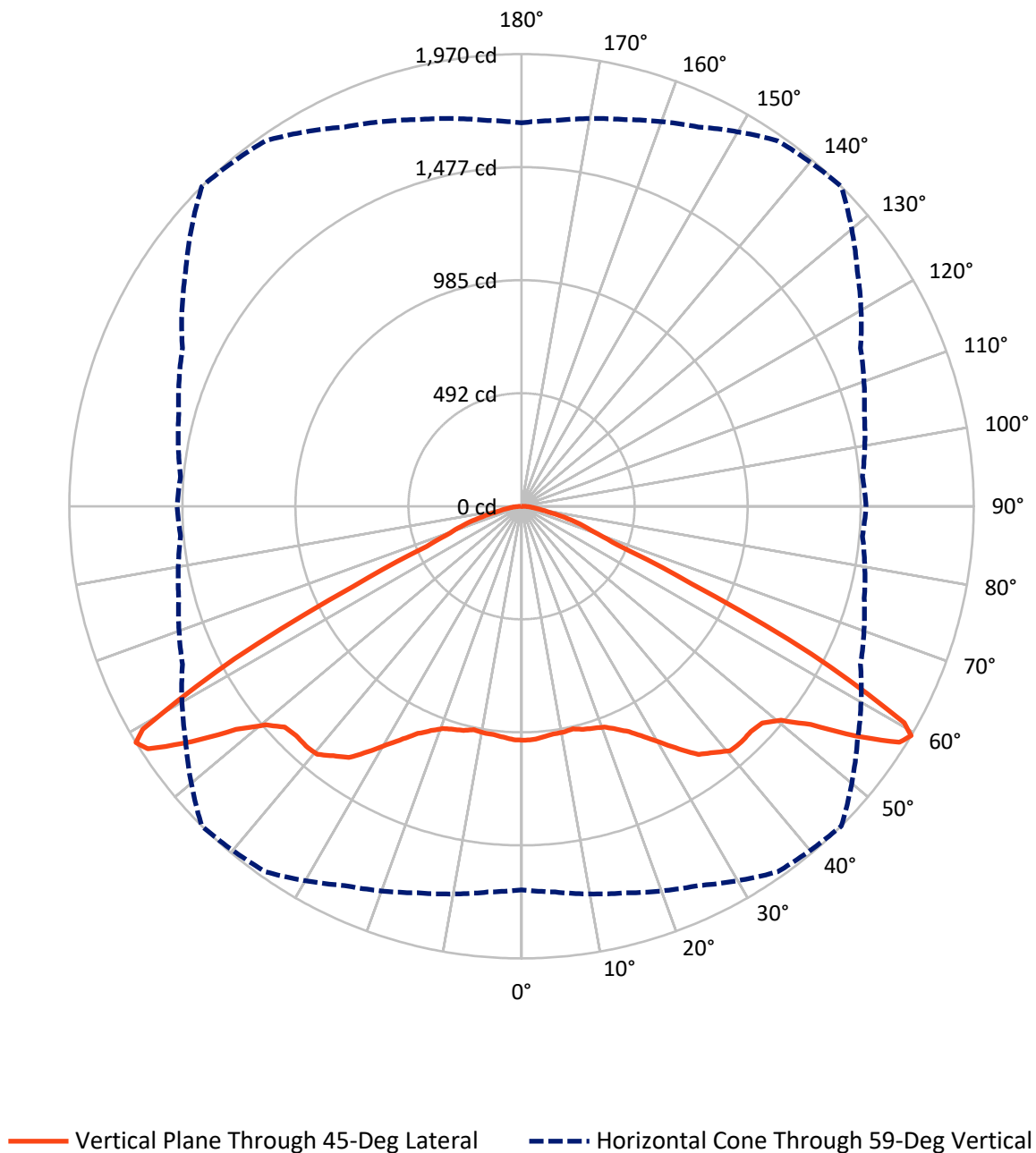


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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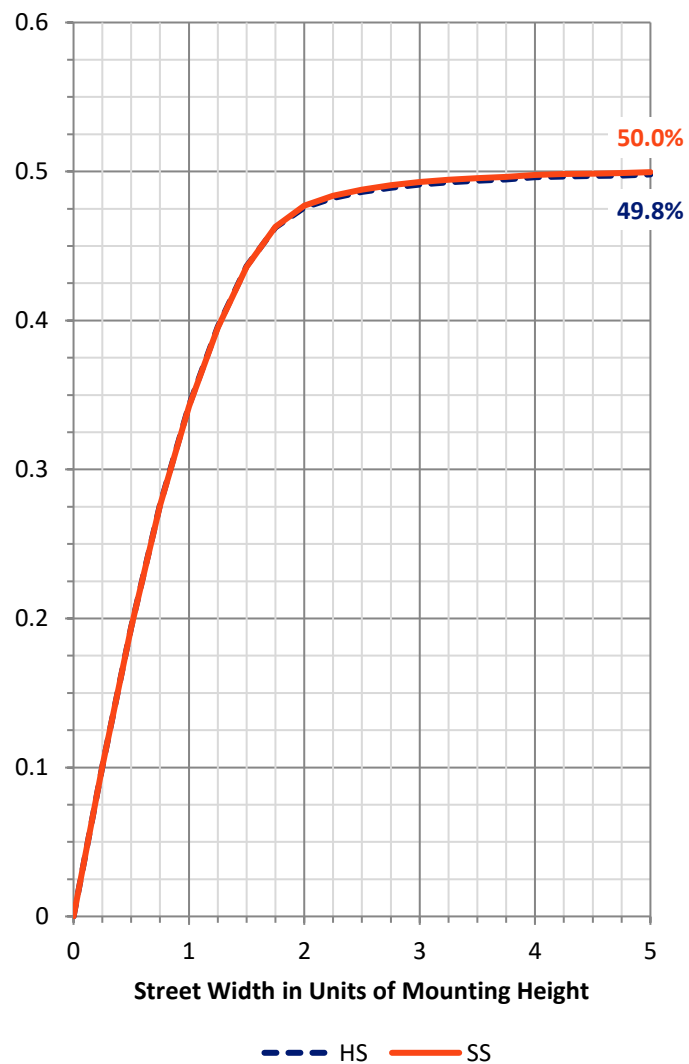
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2638.5	0.0	2638.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2638.5	0.0	2638.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5277.0	0.0	5277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	1.8
10°-20°	285.7	5.4
20°-30°	498.9	9.5
30°-40°	796.9	15.1
40°-50°	1085.5	20.6
50°-60°	1467.9	27.8
60°-70°	805.0	15.3
70°-80°	205.9	3.9
80°-90°	35.1	0.7
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°	5277.0	100.0
0°-180°	5277.0	100.0

Coefficient of Utilization



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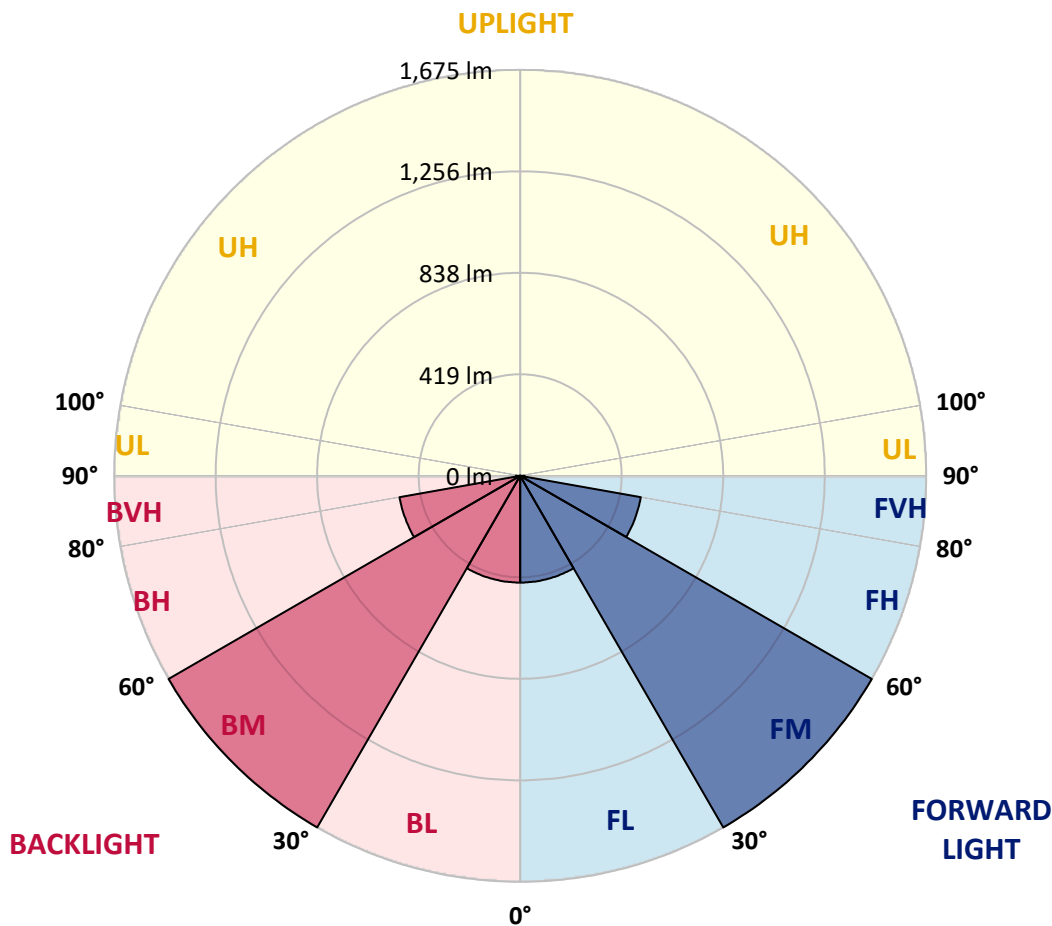
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	440.4	8.3			
FM	(30°-60°)	1675.1	31.7			
FH	(60°-80°)	505.5	9.6			G0/660
FVH	(80°-90°)	17.6	0.3			G1/100
BL	(0°-30°)	440.4	8.3	B1/500		
BM	(30°-60°)	1675.1	31.7	B2/2500		
BH	(60°-80°)	505.5	9.6	B2/1000		G0/660
BVH	(80°-90°)	17.6	0.3			G1/100
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°	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3
2.5°	1013.2	1020.6	1015.2	1019.9	1019.3	1017.2	1013.9	1011.8	1009.1	1013.2	1006.4
5°	1009.1	1015.2	1021.3	1013.2	1013.2	1009.1	1007.1	1003.0	1003.0	1002.4	1001.7
7.5°	1015.9	1009.8	1007.1	1008.4	1009.8	1001.0	1007.1	999.0	992.2	996.9	1002.4
10°	1009.8	1012.5	1002.4	1007.1	999.6	1001.0	996.9	1002.4	994.9	994.9	994.9
12.5°	1015.9	1008.4	1011.8	1008.4	1006.4	994.9	1000.3	994.2	993.6	1000.3	994.2
15°	1028.1	1015.9	1013.2	1006.4	1008.4	1008.4	1003.0	1003.7	996.3	1000.3	1001.7
17.5°	1024.0	1017.2	1015.2	1007.1	1013.9	1015.9	1005.7	999.0	1003.7	1003.0	1002.4
20°	1027.4	1030.1	1028.1	1029.4	1032.1	1026.7	1017.2	1007.8	1001.7	1010.5	1009.8
22.5°	1049.0	1046.3	1045.0	1043.6	1048.3	1053.8	1040.9	1026.0	1026.0	1032.1	1034.8
25°	1066.6	1065.9	1065.3	1071.3	1087.6	1087.6	1071.3	1052.4	1047.7	1051.7	1048.3
27.5°	1092.3	1099.8	1097.0	1107.9	1131.5	1136.9	1115.3	1093.0	1080.1	1075.4	1081.5
30°	1151.2	1142.4	1144.4	1155.9	1176.9	1194.4	1161.3	1137.6	1120.0	1119.4	1122.1
32.5°	1190.4	1197.1	1203.2	1214.1	1247.2	1260.7	1220.8	1182.3	1171.4	1165.4	1167.4
35°	1268.8	1262.8	1261.4	1272.2	1305.4	1327.7	1277.6	1243.8	1229.6	1243.1	1243.1
37.5°	1343.2	1326.3	1313.5	1327.7	1358.1	1360.8	1318.2	1300.0	1292.5	1308.1	1307.4
40°	1378.4	1377.1	1347.3	1355.4	1396.0	1400.1	1360.1	1338.5	1337.1	1357.4	1377.7
42.5°	1414.9	1402.1	1372.3	1377.7	1402.8	1404.1	1366.2	1360.1	1375.0	1394.6	1396.0
45°	1421.0	1410.2	1391.3	1377.7	1396.0	1400.1	1377.7	1381.8	1383.1	1406.8	1406.8
47.5°	1433.2	1431.8	1421.0	1410.9	1414.3	1410.9	1396.7	1402.8	1423.0	1434.5	1429.1
50°	1467.0	1452.8	1463.6	1454.8	1455.5	1465.0	1452.1	1458.2	1454.2	1444.0	1437.3
52.5°	1541.4	1534.6	1544.1	1550.2	1557.0	1578.6	1563.7	1531.3	1500.8	1473.8	1473.1
55°	1650.3	1655.0	1673.3	1704.4	1730.8	1765.3	1693.6	1615.8	1567.1	1524.5	1527.2
57.5°	1753.1	1749.7	1774.8	1845.8	1922.9	1940.5	1799.8	1688.9	1609.7	1582.7	1571.2
59°	1670.6	1686.8	1743.6	1822.8	1943.8	1969.5	1785.6	1629.3	1545.5	1490.7	1500.2
60°	1540.7	1546.8	1597.5	1707.8	1871.5	1915.4	1690.2	1537.4	1425.8	1394.0	1408.2
62.5°	1088.9	1084.2	1120.7	1210.7	1357.4	1417.0	1256.7	1149.1	1078.8	1043.6	1051.7
65°	579.0	600.6	615.5	671.6	749.4	812.3	746.0	699.3	660.1	631.0	630.4
67.5°	390.9	388.2	391.6	404.5	430.8	448.4	447.1	423.4	420.0	414.6	420.7
70°	329.4	328.0	321.9	321.9	327.4	331.4	336.1	338.9	344.3	351.0	350.4
72.5°	267.2	263.8	259.7	257.7	264.5	266.5	272.6	275.3	280.0	279.3	285.4
75°	176.5	176.5	181.3	186.7	188.7	192.8	193.4	201.6	201.6	202.9	197.5
77.5°	98.7	96.0	99.4	104.8	109.6	117.0	124.4	130.5	133.9	132.6	132.6
80°	57.5	57.5	60.9	67.0	73.0	79.8	85.2	90.0	93.3	92.0	89.3
82.5°	35.8	35.8	39.2	45.3	50.1	54.1	61.5	67.6	71.7	70.3	67.0
85°	18.3	18.3	22.3	26.4	32.5	35.2	34.5	31.8	31.1	27.7	27.7
87.5°	4.7	4.7	6.8	7.4	6.1	6.8	6.8	6.8	6.8	6.8	7.4
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)