

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: P450467

Luminaire Tested: **GALN-SA1B-730-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1B-730-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5234 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

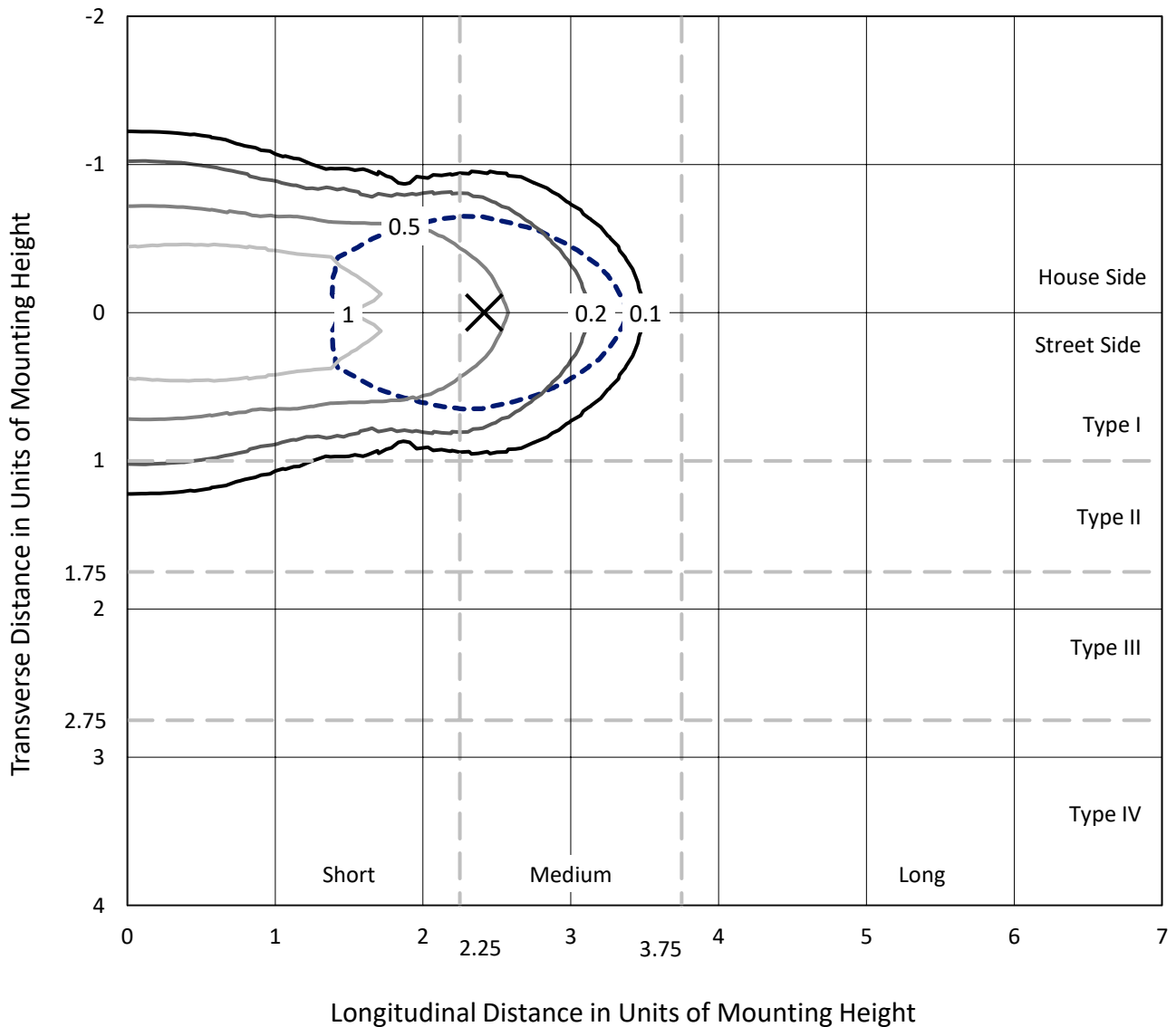
Input Watts (W): 44
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

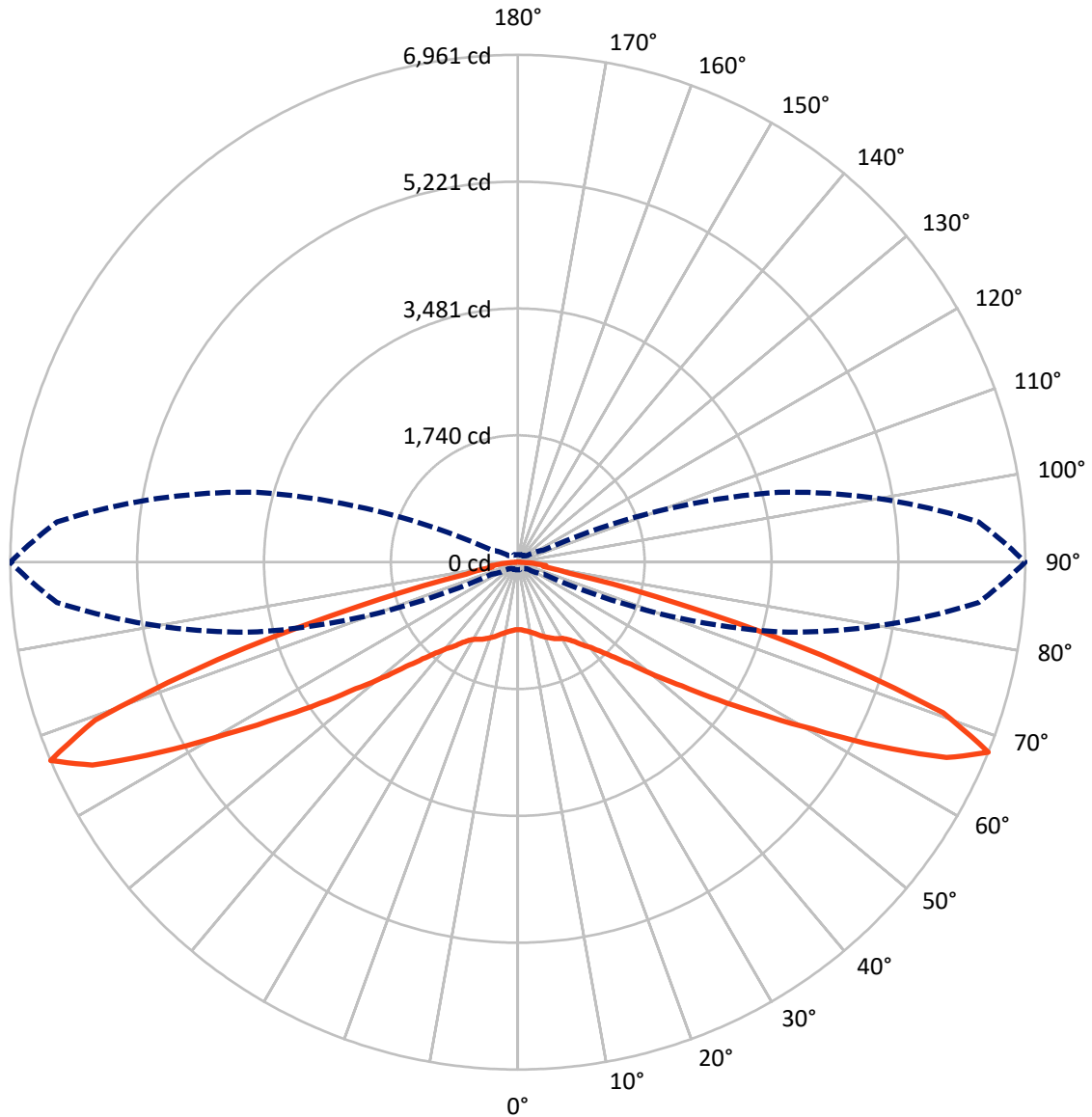
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2617.0	0.0	2617.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2617.0	0.0	2617.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5234.0	0.0	5234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	1.8
10°-20°	295.6	5.6
20°-30°	494.7	9.5
30°-40°	670.2	12.8
40°-50°	848.9	16.2
50°-60°	1060.5	20.3
60°-70°	1246.6	23.8
70°-80°	476.9	9.1
80°-90°	48.3	0.9
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°	5234.0	100.0
0°-180°	5234.0	100.0

Coefficient of Utilization



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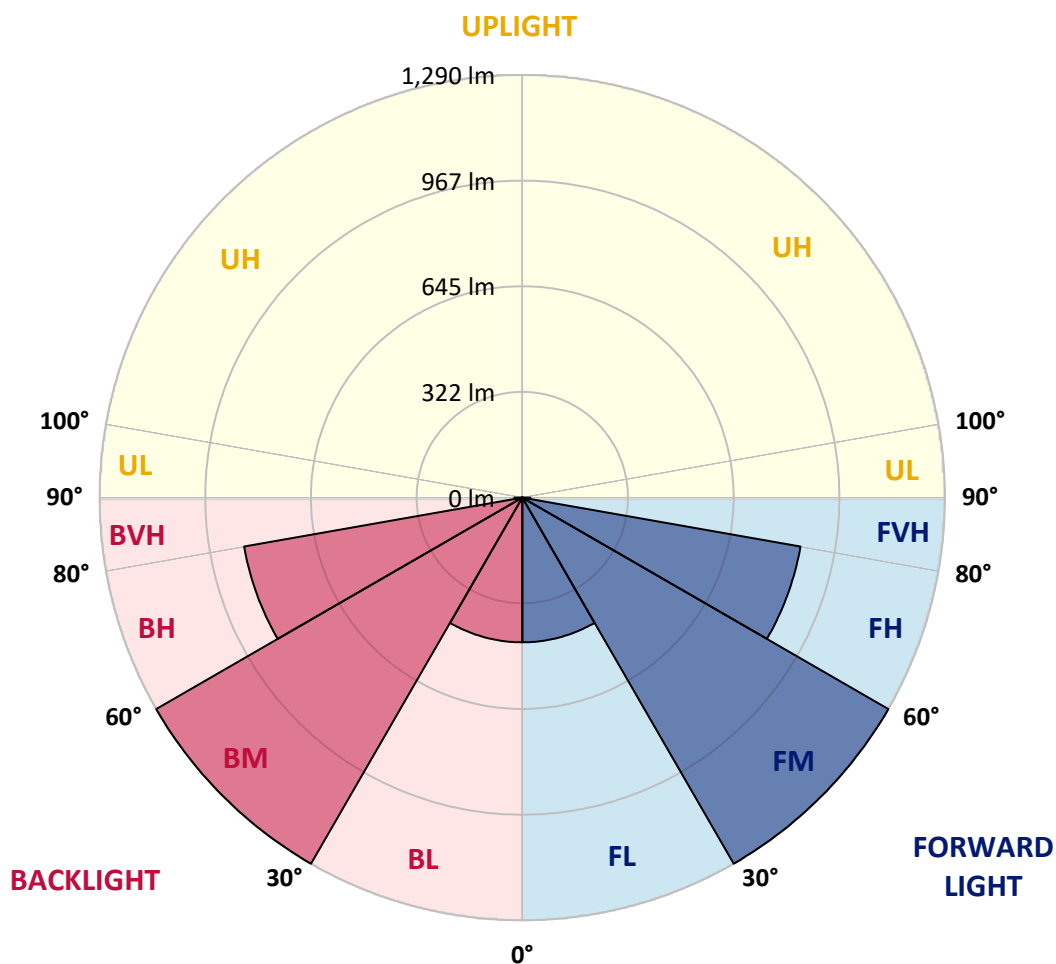
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	441.3	8.4			
FM (30°-60°)	1289.8	24.6			
FH (60°-80°)	861.7	16.5			G1/1800
FVH (80°-90°)	24.2	0.5			G1/100
BL (0°-30°)	441.3	8.4	B1/500		
BM (30°-60°)	1289.8	24.6	B2/2500		
BH (60°-80°)	861.7	16.5	B2/1000		G2/1000
BVH (80°-90°)	24.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	926.6	926.6	926.6	926.6	926.6	926.6	926.6	926.6	926.6	926.6	926.6
2.5°	938.5	937.9	938.2	937.9	938.8	938.2	934.7	931.8	929.5	929.8	928.9
5°	958.5	958.8	959.0	957.6	959.6	958.5	953.0	948.3	943.7	941.9	941.4
7.5°	975.0	976.4	977.3	978.8	982.2	982.2	979.3	972.7	962.5	956.7	956.4
10°	991.5	992.7	995.3	999.9	1005.7	1011.2	1010.1	1001.1	988.0	978.2	975.9
12.5°	997.3	998.7	1007.4	1020.8	1033.8	1044.5	1044.5	1037.3	1020.5	1005.4	1001.1
15°	977.0	979.6	995.3	1023.7	1057.9	1081.3	1086.6	1076.4	1058.5	1035.3	1030.0
17.5°	936.7	943.1	966.0	1008.0	1064.8	1113.5	1128.6	1123.7	1100.5	1070.9	1064.8
20°	893.5	900.5	924.8	980.5	1059.0	1132.4	1176.1	1177.3	1148.6	1105.7	1096.7
22.5°	846.0	851.2	882.5	947.7	1041.6	1136.7	1217.0	1237.0	1198.2	1140.5	1127.7
25°	792.7	798.5	831.2	901.7	1008.9	1131.8	1254.4	1298.4	1250.0	1177.6	1161.3
27.5°	741.7	744.0	779.1	850.6	965.7	1119.0	1281.9	1354.9	1307.4	1208.3	1187.7
30°	692.7	698.2	729.2	799.9	916.1	1094.1	1305.7	1419.3	1369.1	1240.5	1214.1
32.5°	640.8	647.5	681.1	752.7	866.6	1056.7	1320.2	1489.7	1455.2	1292.6	1264.5
35°	591.0	595.3	629.2	698.8	818.2	1013.2	1322.8	1569.1	1566.2	1371.8	1334.4
37.5°	540.0	546.3	580.5	647.2	766.9	967.2	1309.7	1653.5	1700.1	1481.6	1441.3
40°	491.0	496.5	530.1	597.3	708.6	910.9	1278.7	1730.6	1856.4	1594.6	1537.5
42.5°	437.6	439.1	475.9	544.3	651.5	845.7	1234.1	1799.3	2030.5	1746.2	1675.2
45°	377.1	380.8	415.0	482.3	586.0	772.7	1173.5	1856.1	2251.4	1956.3	1859.5
47.5°	316.5	319.7	351.0	417.4	514.4	688.9	1080.2	1905.9	2478.0	2223.3	2096.3
50°	257.4	259.1	284.6	343.4	433.9	600.8	964.5	1921.9	2734.2	2601.2	2439.2
52.5°	203.5	206.1	225.5	271.6	347.8	496.8	839.6	1882.4	3033.3	3049.3	2820.9
55°	164.9	165.8	180.3	214.2	271.9	387.8	688.9	1772.6	3355.1	3623.4	3332.2
57.5°	142.0	142.6	150.7	169.5	209.3	292.4	534.4	1564.8	3644.0	4296.1	3921.7
60°	129.0	129.3	133.9	144.9	165.8	224.3	382.9	1271.5	3929.2	5044.8	4654.4
62.5°	120.9	120.9	124.0	130.1	140.3	172.2	277.4	917.3	4124.5	5804.4	5557.5
65°	113.0	113.0	115.4	119.7	125.2	140.9	204.9	598.2	4119.6	6357.7	6465.8
67.5°	104.0	104.0	105.8	110.1	113.3	121.1	158.2	391.8	3700.5	6345.5	6961.4
70°	93.3	93.3	95.6	99.4	102.0	106.9	124.9	268.1	2718.6	5418.0	6191.0
72.5°	82.6	82.9	84.3	88.1	90.1	93.0	103.8	187.8	1667.7	3689.2	4328.9
75°	70.7	71.3	72.7	76.5	78.3	79.4	87.5	133.9	843.7	1989.1	2264.7
77.5°	57.1	58.3	59.1	63.2	64.3	66.1	72.2	96.8	370.4	714.7	721.1
80°	41.7	43.2	45.8	49.6	50.4	51.6	55.1	68.7	167.8	326.3	354.5
82.5°	30.7	32.8	29.6	34.5	34.5	33.0	38.8	46.1	77.1	323.2	386.6
85°	16.8	17.1	15.4	17.7	18.8	18.5	20.6	22.6	37.4	215.6	222.3
87.5°	4.1	4.3	4.6	5.5	6.7	6.7	7.2	6.4	12.2	69.8	40.0
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)