

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: P530978

Luminaire Tested: **GALN-SA6B-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27124 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 243
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

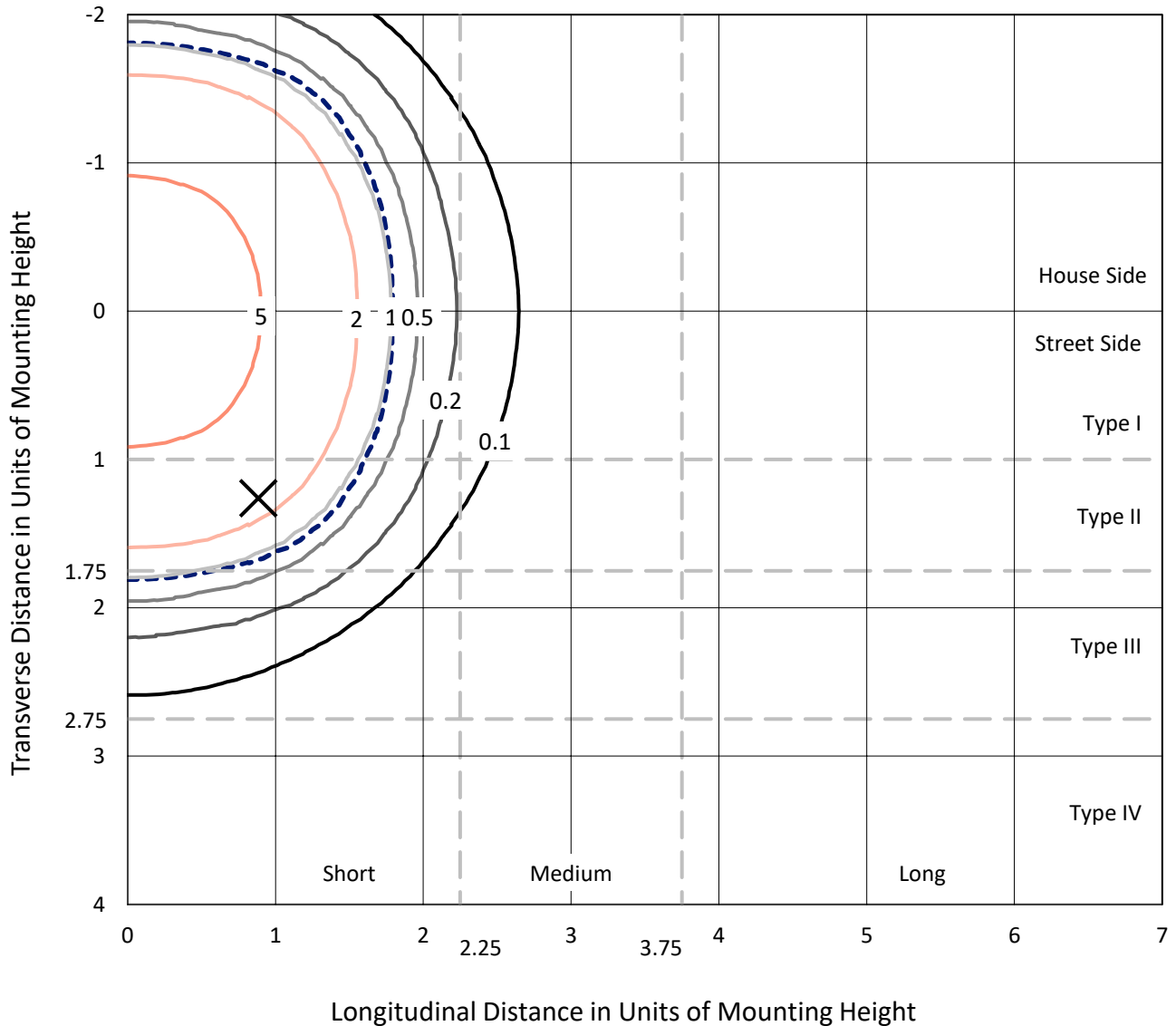




REPORT NUMBER: P530978
 CATALOG NUMBER: GALN-SA6B-730-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

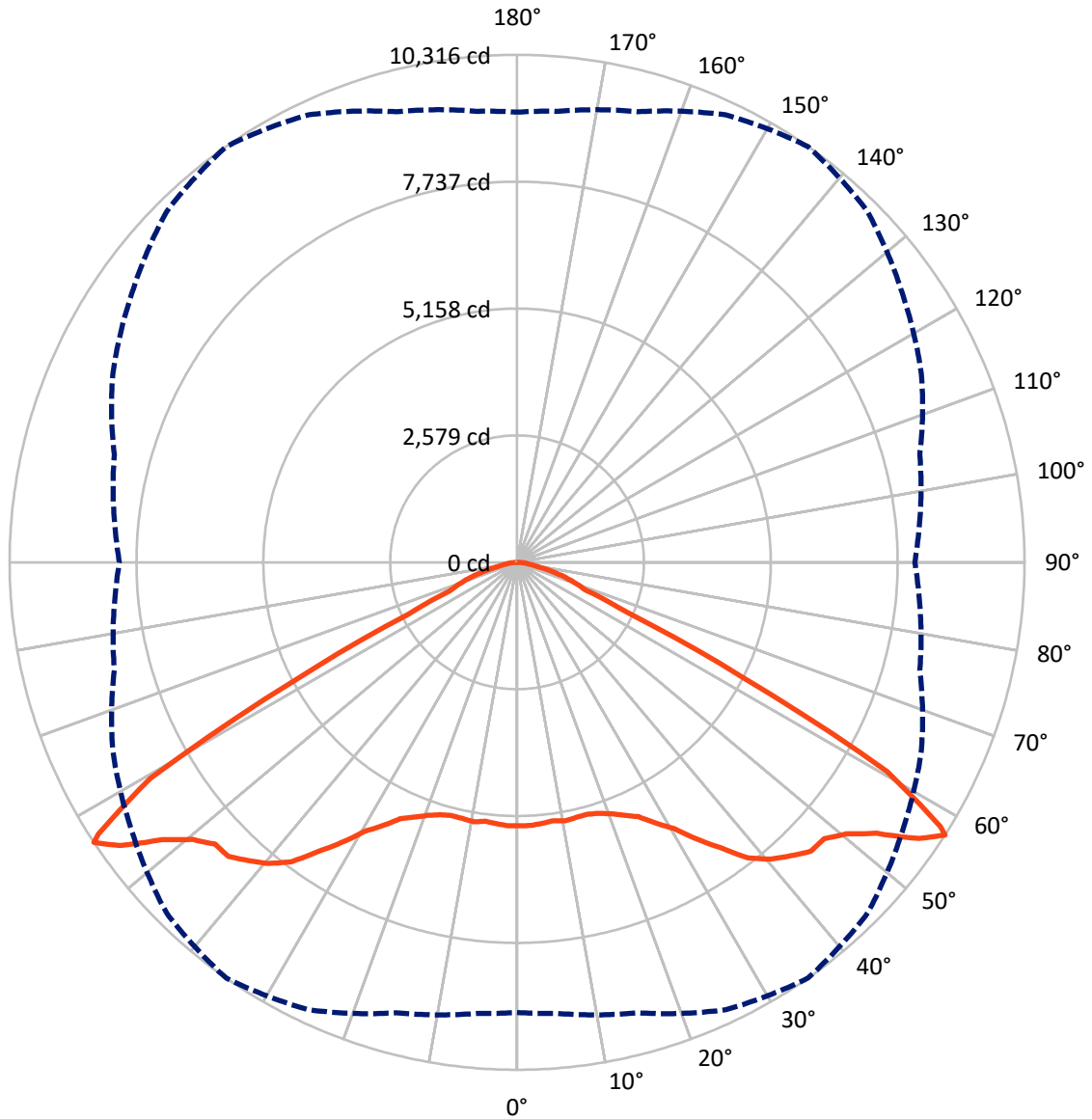
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

REPORT NUMBER: P530978
CATALOG NUMBER: GALN-SA6B-730-U-5MQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P530978
 CATALOG NUMBER: GALN-SA6B-730-U-5MQ-GRSWH

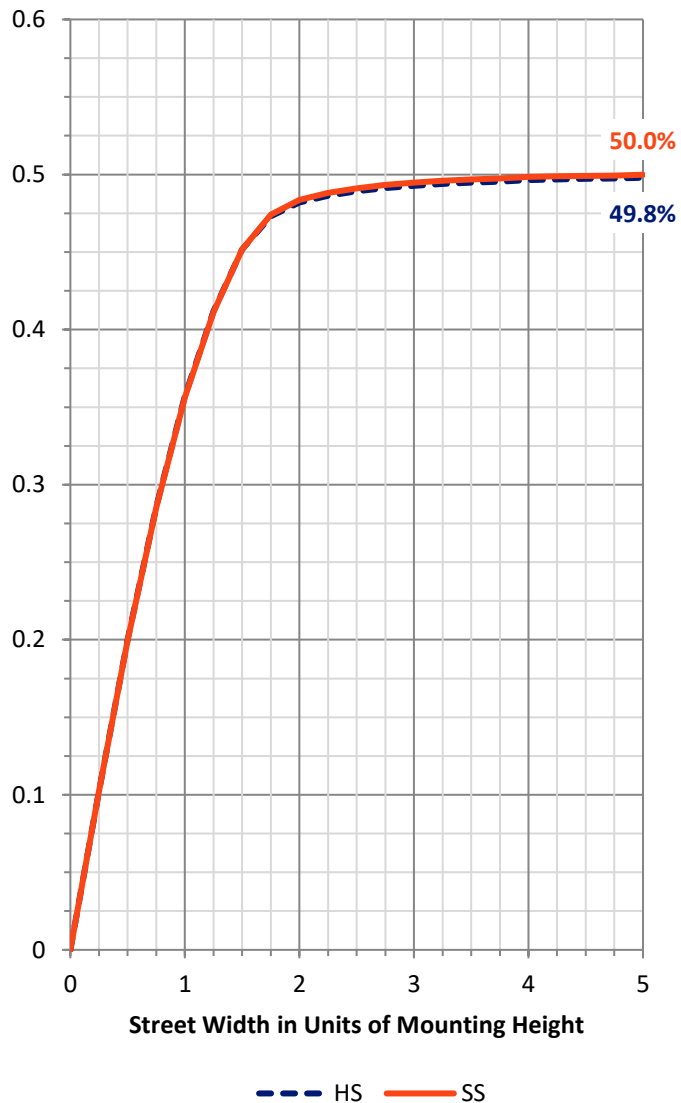
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13562.0	0.0	13562.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13562.0	0.0	13562.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27124.0	0.0	27124.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.8	1.9
10°-20°	1504.1	5.5
20°-30°	2626.9	9.7
30°-40°	4304.2	15.9
40°-50°	6311.0	23.3
50°-60°	7949.2	29.3
60°-70°	2989.6	11.0
70°-80°	794.9	2.9
80°-90°	136.3	0.5
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°	27124.0	100.0
0°-180°	27124.0	100.0

Coefficient of Utilization

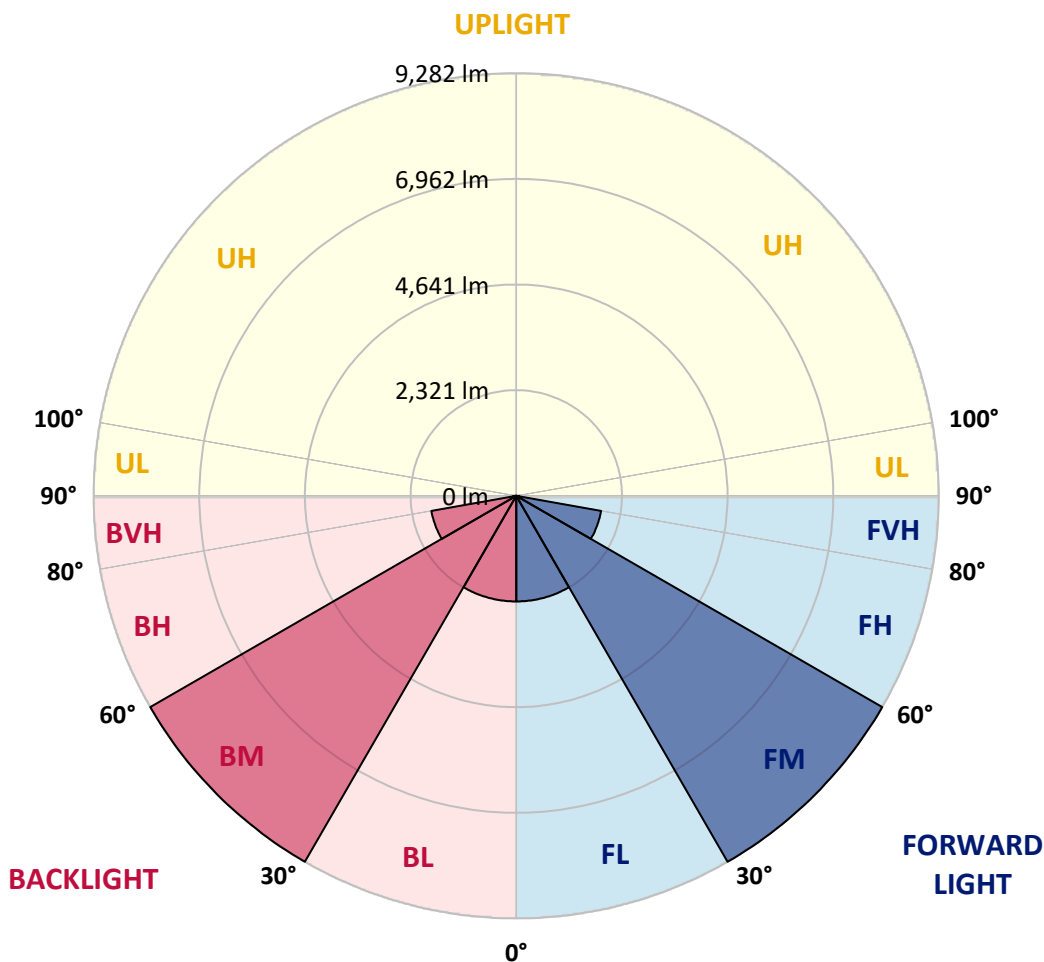


REPORT NUMBER: P530978
 CATALOG NUMBER: GALN-SA6B-730-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2319.4	8.6			
FM (30°-60°)	9282.2	34.2			
FH (60°-80°)	1892.3	7.0			G2/5000
FVH (80°-90°)	68.2	0.3			G1/100
BL (0°-30°)	2319.4	8.6	B3/2500		
BM (30°-60°)	9282.2	34.2	B5		
BH (60°-80°)	1892.3	7.0	B3/2500		G2/5000
BVH (80°-90°)	68.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
 Type V Short





REPORT NUMBER: P530978

CATALOG NUMBER: GALN-SA6B-730-U-5MQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5356.8	5356.8	5356.8	5356.8	5356.8	5356.8	5356.8	5356.8	5356.8	5356.8	5356.8
2.5°	5330.1	5383.5	5360.1	5346.8	5356.8	5340.1	5313.3	5343.4	5336.7	5310.0	5300.0
5°	5316.7	5356.8	5330.1	5356.8	5330.1	5376.8	5363.5	5313.3	5373.5	5316.7	5336.7
7.5°	5306.7	5320.0	5326.7	5313.3	5303.3	5360.1	5330.1	5306.7	5273.2	5263.2	5279.9
10°	5283.3	5316.7	5266.6	5333.4	5346.8	5306.7	5306.7	5263.2	5236.5	5219.8	5276.6
12.5°	5343.4	5286.6	5279.9	5313.3	5323.4	5340.1	5293.3	5269.9	5219.8	5226.5	5216.4
15°	5273.2	5296.6	5300.0	5306.7	5316.7	5356.8	5313.3	5263.2	5243.2	5173.0	5179.7
17.5°	5300.0	5276.6	5300.0	5376.8	5363.5	5393.5	5346.8	5269.9	5223.1	5183.0	5236.5
20°	5346.8	5336.7	5346.8	5440.3	5457.0	5483.8	5443.7	5373.5	5283.3	5236.5	5263.2
22.5°	5396.9	5390.2	5396.9	5487.1	5584.0	5617.4	5577.3	5413.6	5366.8	5279.9	5249.9
25°	5487.1	5493.8	5564.0	5664.2	5727.7	5791.2	5717.7	5600.7	5450.4	5396.9	5333.4
27.5°	5687.6	5704.3	5744.4	5891.5	6001.7	6058.6	5955.0	5794.6	5701.0	5590.7	5574.0
30°	5934.9	5934.9	6005.1	6132.1	6282.4	6369.3	6242.3	6051.9	5938.3	5878.1	5841.3
32.5°	6262.4	6225.6	6252.4	6476.3	6710.2	6783.7	6613.3	6379.4	6198.9	6118.7	6092.0
35°	6543.1	6566.5	6626.6	6867.3	7127.9	7298.3	7031.0	6726.9	6543.1	6469.6	6456.2
37.5°	6907.4	6947.5	6977.5	7308.4	7622.5	7686.0	7428.7	7184.7	6960.8	6900.7	6867.3
40°	7422.0	7395.2	7405.3	7649.2	7933.3	7973.4	7719.4	7545.6	7361.8	7325.1	7325.1
42.5°	7846.4	7816.3	7849.7	7939.9	8157.2	8127.1	7986.7	7859.7	7782.9	7742.8	7782.9
45°	8103.7	8097.0	8157.2	8224.0	8377.7	8277.5	8167.2	8187.2	8113.7	8046.9	8043.5
47.5°	8384.4	8341.0	8414.5	8514.7	8397.8	8351.0	8344.3	8387.7	8364.3	8247.4	8210.6
50°	8521.4	8504.7	8621.7	8738.6	8675.1	8568.2	8591.6	8661.8	8361.0	8203.9	8113.7
52.5°	8889.0	8892.3	9116.2	9179.7	9153.0	8995.9	9046.1	8855.6	8501.4	8280.8	8290.8
55°	9467.1	9443.7	9694.4	9881.5	9911.6	9711.1	9470.5	9203.1	8758.7	8534.8	8467.9
57°	9149.7	9203.1	9480.5	10035.2	10315.9	10078.7	9554.0	9066.1	8474.6	8203.9	8083.6
57.5°	8725.3	8812.1	9293.3	9851.4	10145.5	10125.4	9450.4	8812.1	8284.1	7863.1	7873.1
60°	6392.7	6409.4	6843.9	7729.4	8648.4	8668.4	7846.4	7000.9	6412.8	5955.0	6018.5
62.5°	3371.8	3448.7	3622.4	4334.2	5129.6	5323.4	4825.5	4391.0	3883.1	3535.5	3569.0
65°	1784.5	1774.5	1858.0	2058.5	2449.5	2549.7	2482.9	2138.7	1961.6	1904.8	1908.1
67.5°	1450.3	1467.0	1457.0	1467.0	1493.8	1537.2	1527.2	1540.5	1550.6	1567.3	1563.9
70°	1229.8	1229.8	1236.4	1239.8	1239.8	1259.8	1283.2	1326.7	1330.0	1346.7	1353.4
72.5°	969.1	962.4	972.4	995.8	999.2	1015.9	1049.3	1076.0	1086.1	1086.1	1066.0
75°	658.3	665.0	678.4	698.4	718.5	748.5	775.3	792.0	798.7	788.6	778.6
77.5°	370.9	377.6	387.6	417.7	441.1	467.8	497.9	514.6	531.3	534.7	514.6
80°	220.6	220.6	237.3	260.7	287.4	314.1	340.9	360.9	367.6	367.6	357.6
82.5°	133.7	137.0	150.4	173.8	197.2	213.9	237.3	254.0	267.3	264.0	257.3
85°	70.2	70.2	83.5	103.6	120.3	137.0	137.0	127.0	120.3	103.6	96.9
87.5°	23.4	20.1	26.7	26.7	23.4	26.7	26.7	30.1	30.1	30.1	30.1
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)