

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: P455556

Luminaire Tested: **GALN-SA6D-730-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6D-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43600 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

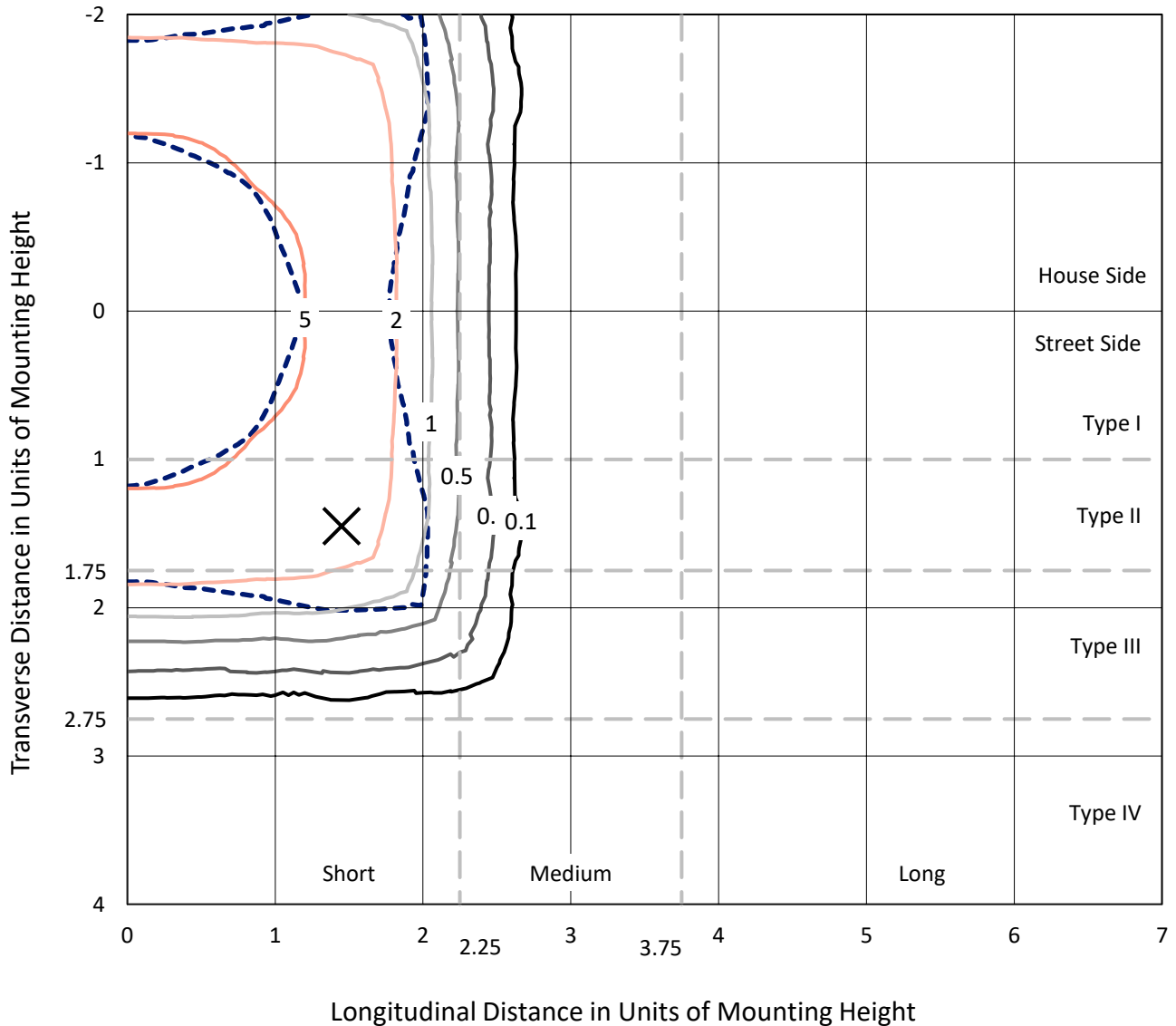
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P455556
 CATALOG NUMBER: GALN-SA6D-730-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

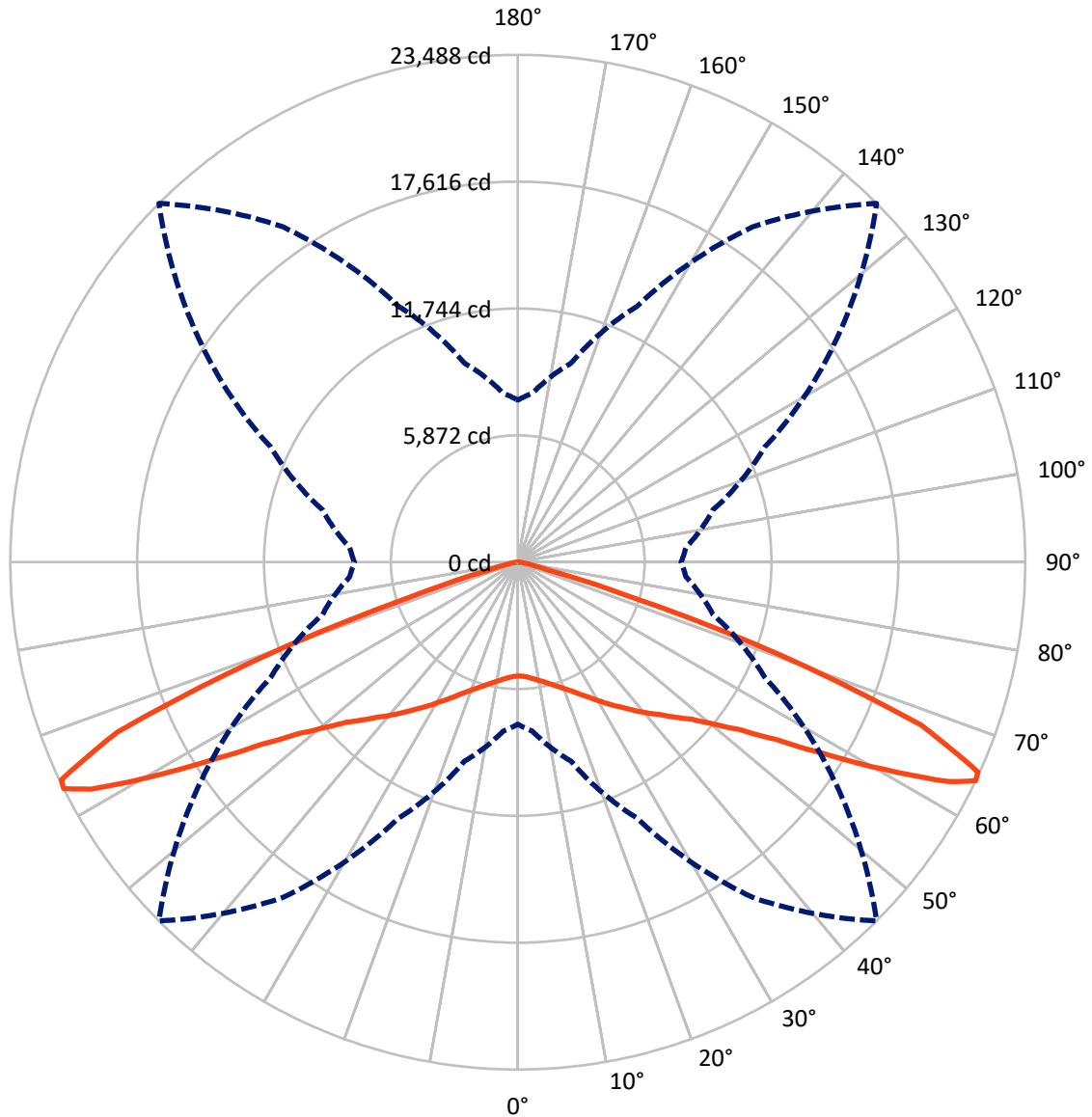
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

REPORT NUMBER: P455556
CATALOG NUMBER: GALN-SA6D-730-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P455556

CATALOG NUMBER: GALN-SA6D-730-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21800.0	0.0	21800.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21800.0	0.0	21800.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43600.0	0.0	43600.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.7	1.2
10°-20°	1670.0	3.8
20°-30°	3155.8	7.2
30°-40°	5226.3	12.0
40°-50°	8159.2	18.7
50°-60°	12613.9	28.9
60°-70°	10876.8	24.9
70°-80°	1232.6	2.8
80°-90°	147.7	0.3
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°	43600.0	100.0
0°-180°	43600.0	100.0

Coefficient of Utilization



REPORT NUMBER: P455556

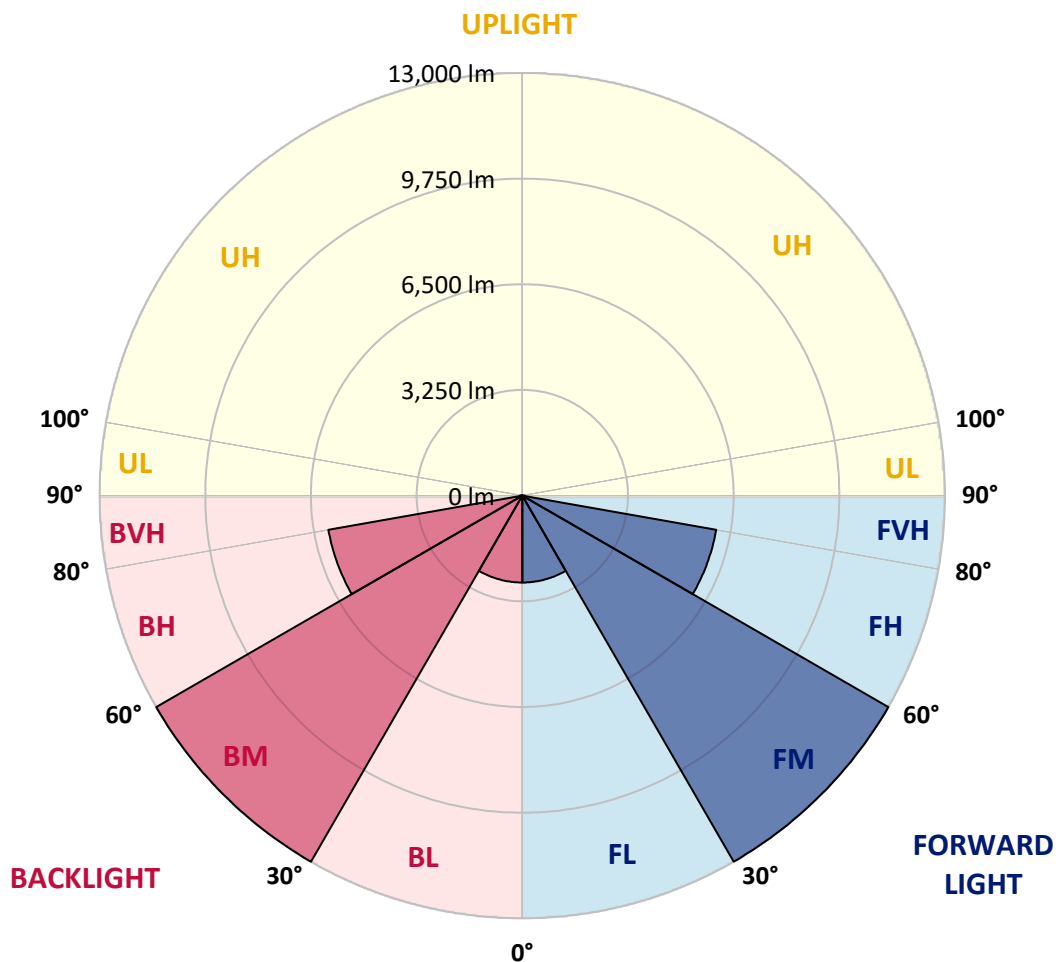
CATALOG NUMBER: GALN-SA6D-730-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2671.7	6.1			
FM (30°-60°)	12999.7	29.8			
FH (60°-80°)	6054.7	13.9			G3/7500
FVH (80°-90°)	73.8	0.2			G1/100
BL (0°-30°)	2671.7	6.1	B4/5000		
BM (30°-60°)	12999.7	29.8	B5		
BH (60°-80°)	6054.7	13.9	B5		G3/7500
BVH (80°-90°)	73.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P455556
 CATALOG NUMBER: GALN-SA6D-730-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8	5269.8
2.5°	5290.6	5302.1	5292.9	5290.6	5288.3	5288.3	5288.3	5290.6	5299.8	5306.7	5302.1
5°	5357.5	5366.8	5362.2	5359.9	5357.5	5359.9	5355.2	5352.9	5359.9	5359.9	5357.5
7.5°	5440.7	5452.2	5447.6	5452.2	5454.5	5456.8	5445.3	5436.1	5433.8	5440.7	5436.1
10°	5553.8	5563.1	5565.4	5567.7	5572.3	5570.0	5556.1	5540.0	5537.7	5535.4	5533.1
12.5°	5680.8	5687.8	5690.1	5699.3	5706.2	5708.6	5692.4	5678.5	5655.4	5660.1	5650.8
15°	5824.0	5837.9	5835.6	5849.4	5867.9	5872.5	5856.4	5833.3	5812.5	5800.9	5794.0
17.5°	5999.5	6008.8	6004.1	6018.0	6041.1	6052.6	6038.8	6008.8	5988.0	5962.6	5948.7
20°	6207.4	6223.5	6228.1	6228.1	6248.9	6260.5	6239.7	6230.5	6198.1	6179.7	6168.1
22.5°	6442.9	6449.8	6463.7	6477.6	6498.3	6493.7	6486.8	6472.9	6442.9	6426.7	6408.3
25°	6708.5	6715.4	6750.0	6780.1	6787.0	6782.4	6773.1	6766.2	6738.5	6701.6	6687.7
27.5°	7017.9	7031.8	7078.0	7105.7	7105.7	7108.0	7089.5	7112.6	7052.6	7008.7	7004.1
30°	7405.9	7415.1	7454.4	7482.1	7468.2	7456.7	7452.1	7475.2	7410.5	7332.0	7313.5
32.5°	7789.2	7821.6	7856.2	7916.2	7867.7	7847.0	7842.3	7858.5	7784.6	7696.9	7671.5
35°	8200.3	8223.4	8288.0	8338.8	8295.0	8246.5	8267.2	8318.1	8230.3	8112.5	8107.9
37.5°	8655.2	8676.0	8759.1	8812.2	8779.9	8696.8	8731.4	8791.5	8703.7	8558.2	8528.2
40°	9128.6	9172.5	9276.4	9331.8	9278.7	9167.9	9232.5	9297.2	9218.7	9050.1	8983.1
42.5°	9659.7	9729.0	9879.1	9906.8	9805.2	9655.1	9768.3	9872.2	9816.8	9622.8	9597.4
45°	10280.9	10322.5	10507.3	10567.3	10426.4	10239.4	10380.2	10569.6	10528.0	10304.0	10255.5
47.5°	10976.0	11015.3	11207.0	11297.0	11119.2	10867.5	11121.5	11368.6	11343.2	11103.1	11080.0
50°	11798.1	11807.4	12073.0	12174.6	11996.7	11779.7	12006.0	12313.1	12211.5	11904.4	11899.8
52.5°	12698.8	12710.3	13045.2	13241.5	13142.2	12897.4	13165.2	13352.3	13093.7	12691.8	12661.8
55°	13479.3	13537.0	13994.3	14516.2	14652.4	14474.6	14555.4	14467.7	13830.3	13266.9	13179.1
57.5°	13798.0	13911.1	14606.2	15580.8	16467.5	16730.8	16107.3	15271.3	14123.6	13326.9	13241.5
60°	13019.8	13142.2	14220.6	16070.3	18333.4	19476.5	17723.8	15407.6	13456.2	12336.2	12202.3
62.5°	10426.4	10461.1	12047.6	14918.0	19421.1	22381.6	18405.0	14246.0	11514.1	9992.3	9939.2
64°	7502.9	7858.5	9539.7	13079.8	18945.4	23487.8	18012.4	12617.9	9352.6	7812.3	7562.9
65°	5611.6	5708.6	7689.9	11170.0	18107.1	23404.6	17250.4	11061.5	7745.3	5978.7	5701.6
67.5°	2119.9	2131.5	2838.1	5567.7	12890.4	20137.0	13165.2	6018.0	3263.0	2360.1	2274.6
70°	879.8	896.0	1041.5	1872.8	5540.0	12929.7	6348.2	2170.7	1193.9	967.6	953.7
72.5°	644.3	653.5	697.4	831.3	1704.3	5309.1	2087.6	921.4	699.7	625.8	618.9
75°	505.7	510.4	542.7	612.0	794.4	1471.0	868.3	632.7	533.4	480.3	475.7
77.5°	385.7	397.2	420.3	466.5	533.4	697.4	575.0	473.4	411.1	367.2	360.2
80°	265.6	279.4	323.3	341.8	357.9	452.6	392.6	357.9	321.0	267.9	251.7
82.5°	164.0	173.2	217.1	233.2	226.3	254.0	251.7	256.3	228.6	166.3	154.7
85°	85.4	90.1	117.8	122.4	113.2	103.9	129.3	150.1	140.9	94.7	92.4
87.5°	18.5	20.8	25.4	23.1	25.4	25.4	32.3	48.5	50.8	32.3	30.0
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)