

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: P531376

Luminaire Tested: **GALN-SA6C-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6C-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29029 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 321
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

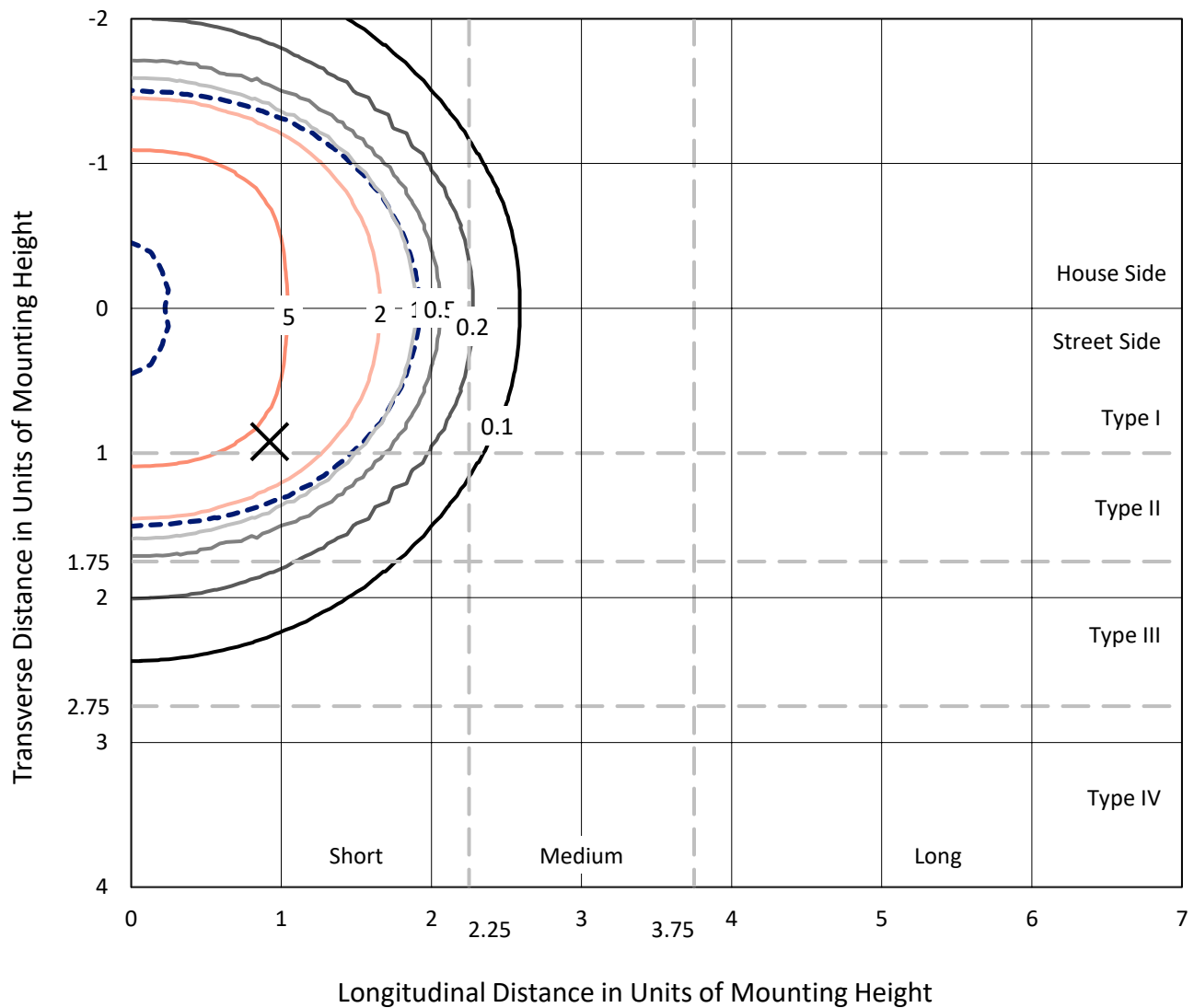


REPORT NUMBER: P531376

CATALOG NUMBER: GALN-SA6C-830-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

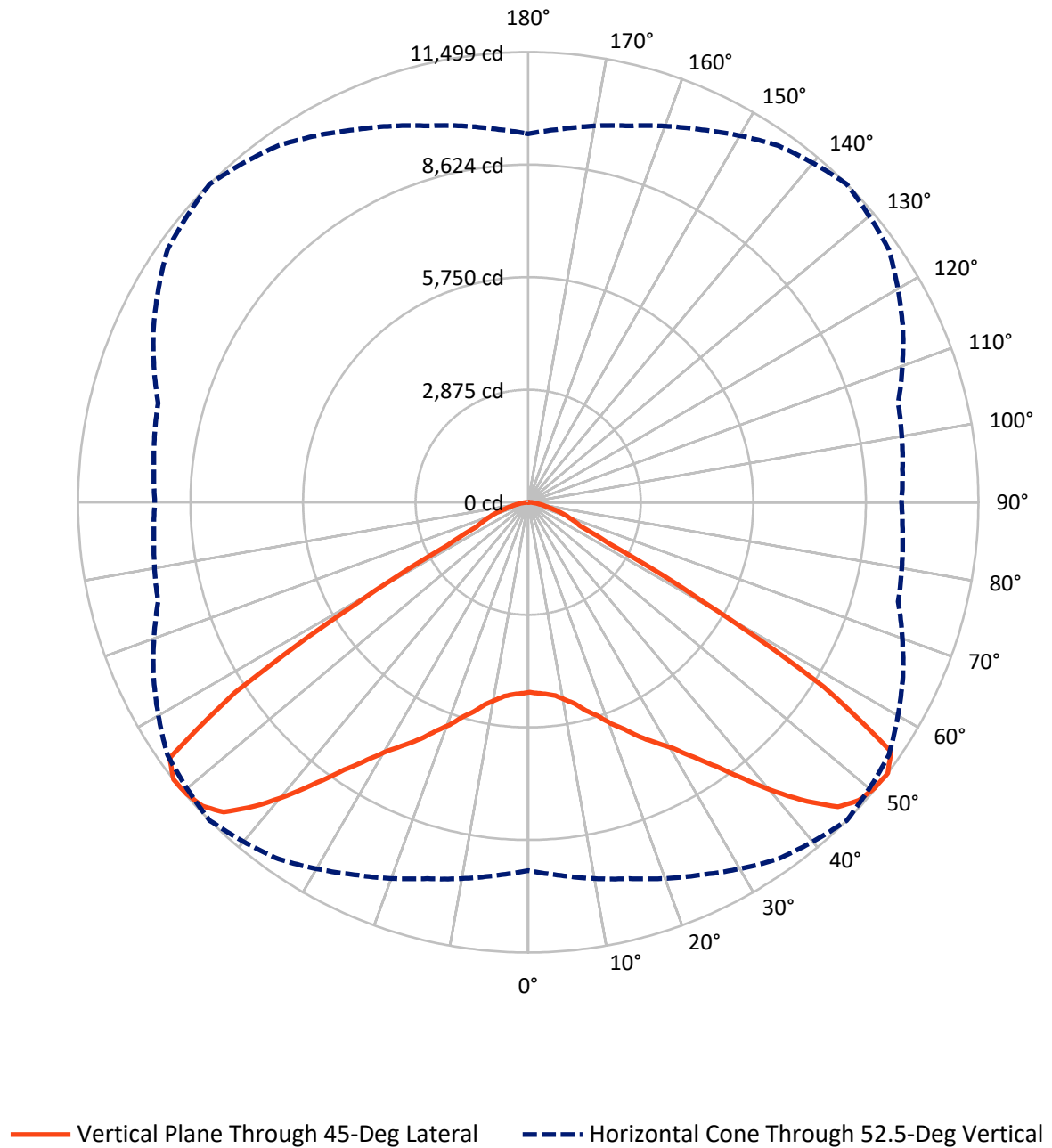


Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

REPORT NUMBER: P531376

CATALOG NUMBER: GALN-SA6C-830-U-RW-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P531376

CATALOG NUMBER: GALN-SA6C-830-U-RW-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14514.5	0.0	14514.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14514.5	0.0	14514.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29029.0	0.0	29029.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.8	1.6
10°-20°	1566.6	5.4
20°-30°	2982.5	10.3
30°-40°	5121.2	17.6
40°-50°	7871.5	27.1
50°-60°	7993.3	27.5
60°-70°	2227.6	7.7
70°-80°	657.1	2.3
80°-90°	132.4	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°	29029.0	100.0
0°-180°	29029.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531376

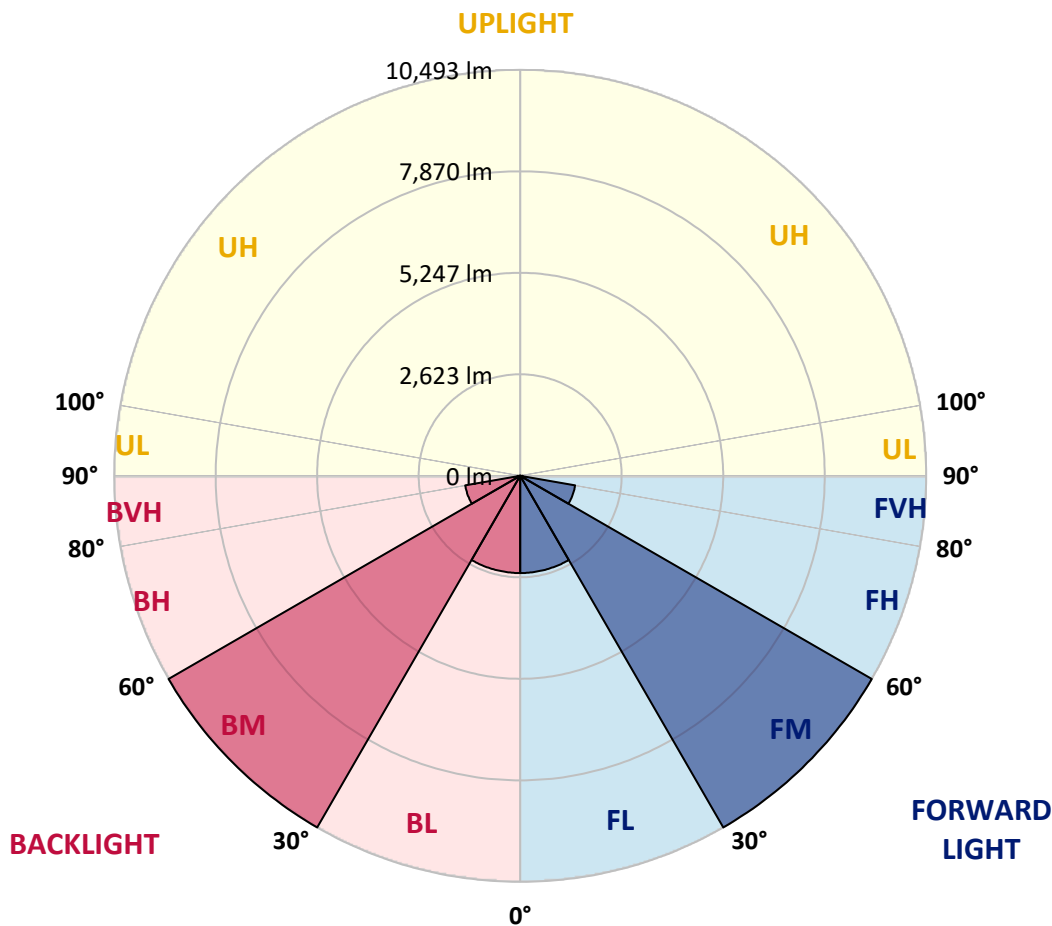
CATALOG NUMBER: GALN-SA6C-830-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2512.9	8.7			
FM	(30°-60°)	10493.0	36.1			
FH	(60°-80°)	1442.4	5.0			G1/1800
FVH	(80°-90°)	66.2	0.2			G1/100
BL	(0°-30°)	2512.9	8.7	B4/5000		
BM	(30°-60°)	10493.0	36.1	B5		
BH	(60°-80°)	1442.4	5.0	B3/2500		G1/1800
BVH	(80°-90°)	66.2	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-G1

Type V Short



REPORT NUMBER: P531376

CATALOG NUMBER: GALN-SA6C-830-U-RW-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6
2.5°	4863.4	4813.0	4831.0	4841.8	4888.6	4885.0	4874.2	4888.6	4903.0	4906.6	4899.4
5°	4859.8	4823.8	4838.2	4849.0	4895.8	4921.0	4913.8	4975.1	5018.3	5007.5	5061.5
7.5°	4831.0	4852.6	4834.6	4888.6	4928.2	4989.5	5054.3	5112.0	5166.0	5227.2	5238.0
10°	4895.8	4895.8	4928.2	4971.5	5075.9	5122.8	5216.4	5299.3	5403.8	5475.8	5447.0
12.5°	4964.3	4975.1	4975.1	5086.7	5173.2	5277.7	5364.1	5475.8	5623.5	5710.0	5753.2
15°	5032.7	5039.9	5075.9	5227.2	5356.9	5522.6	5601.9	5702.8	5785.6	5947.7	5951.3
17.5°	5093.9	5133.6	5241.7	5411.0	5573.1	5731.6	5857.7	5962.2	6034.2	6099.0	6084.6
20°	5324.5	5353.3	5465.0	5634.3	5875.7	6030.6	6073.8	6091.8	6138.7	6268.4	6228.7
22.5°	5547.9	5558.7	5663.1	5922.5	6091.8	6297.2	6344.0	6333.2	6351.2	6383.6	6441.3
25°	5778.4	5796.4	5940.5	6160.3	6398.1	6643.0	6682.7	6599.8	6574.6	6610.6	6614.2
27.5°	6073.8	6077.4	6261.2	6452.1	6722.3	6952.8	7014.1	6949.2	6830.4	6859.2	6906.0
30°	6448.5	6423.3	6607.0	6880.8	7165.4	7295.1	7399.6	7367.1	7237.4	7212.2	7172.6
32.5°	6880.8	6888.0	7053.7	7352.7	7540.1	7756.2	7867.9	7813.8	7731.0	7687.8	7713.0
35°	7489.6	7522.0	7633.7	7882.3	8184.9	8293.0	8469.5	8354.2	8138.1	8192.1	8238.9
37.5°	7990.4	8084.0	8293.0	8588.4	8768.5	8966.6	9031.5	8876.6	8718.1	8653.2	8808.1
40°	8757.7	8728.9	8959.4	9254.8	9521.4	9719.6	9636.7	9481.8	9089.1	9092.7	9136.0
42.5°	9417.0	9431.4	9607.9	9960.9	10324.8	10447.3	10184.3	9806.0	9370.1	9323.3	9417.0
45°	9971.7	10029.4	10130.3	10602.2	10958.8	11092.1	10605.8	10159.1	9575.5	9380.9	9535.8
47.5°	10169.9	10263.5	10483.3	10915.6	11268.6	11376.7	10987.7	10346.4	9766.4	9449.4	9532.2
50°	10198.7	10166.3	10526.5	10922.8	11232.6	11466.8	11124.5	10483.3	9719.6	9553.9	9528.6
52.5°	9409.8	9568.3	9953.7	10497.7	11124.5	11499.2	11247.0	10559.0	9784.4	9597.1	9535.8
55°	7615.7	7428.4	8130.9	9045.9	10198.7	11239.8	11203.8	10598.6	9824.0	9669.1	9586.3
57.5°	4251.0	4305.0	4701.3	5695.6	7183.4	8912.6	9960.9	10180.7	9806.0	9716.0	9759.2
60°	1967.0	1985.0	2154.3	2619.0	3541.3	5054.3	6434.1	7835.5	8480.3	8610.0	8610.0
62.5°	1466.2	1459.0	1502.2	1585.1	1779.6	2323.6	3101.8	4214.9	5101.2	5720.8	5882.9
65°	1325.7	1322.1	1343.7	1372.6	1387.0	1462.6	1635.5	1977.8	2266.0	2431.7	2402.9
67.5°	1160.0	1156.4	1163.6	1181.6	1206.8	1246.5	1289.7	1361.7	1462.6	1455.4	1437.4
70°	936.7	936.7	947.5	961.9	990.7	1037.5	1088.0	1138.4	1224.9	1242.9	1239.3
72.5°	691.7	680.9	702.5	731.3	760.1	817.8	871.8	918.6	979.9	997.9	990.7
75°	439.5	446.7	461.1	493.5	544.0	583.6	641.2	680.9	720.5	734.9	738.5
77.5°	245.0	252.2	277.4	317.0	367.5	410.7	461.1	493.5	518.8	522.4	526.0
80°	147.7	151.3	176.5	212.5	255.8	302.6	342.2	374.7	396.3	385.5	381.9
82.5°	90.1	93.7	115.3	147.7	183.7	219.8	263.0	291.8	313.4	299.0	284.6
85°	46.8	50.4	68.4	90.1	118.9	136.9	136.9	122.5	118.9	111.7	108.1
87.5°	14.4	14.4	18.0	21.6	18.0	21.6	25.2	28.8	28.8	32.4	28.8
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)