

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: P383355

Luminaire Tested: **GLEON-SA6D-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6D-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 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: 44593.2 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

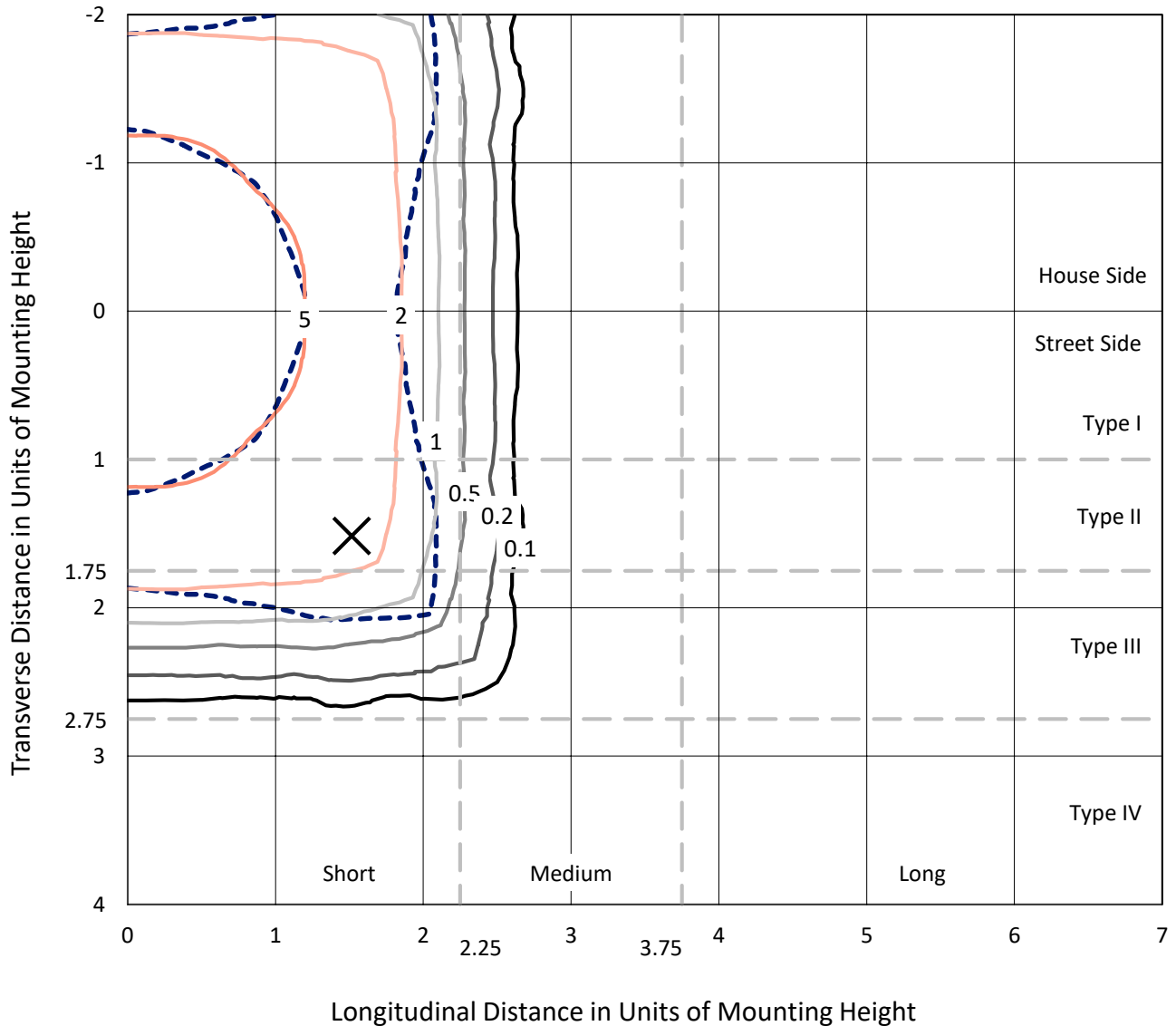
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

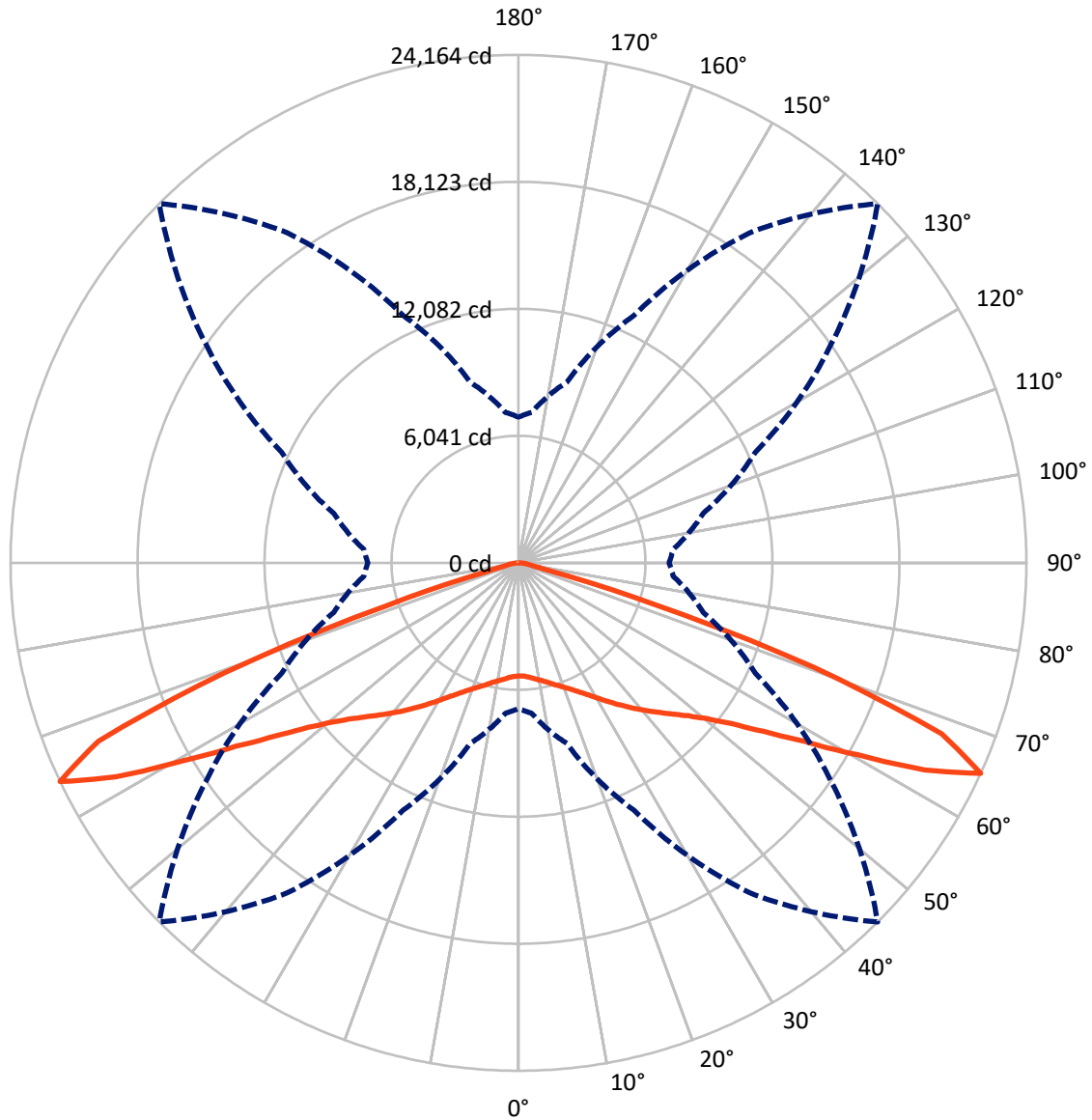
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22296.6	0.0	22296.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22296.6	0.0	22296.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	44593.2	0.0	44593.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.3	1.2
10°-20°	1698.3	3.8
20°-30°	3186.3	7.1
30°-40°	5269.5	11.8
40°-50°	8161.8	18.3
50°-60°	12517.9	28.1
60°-70°	11680.6	26.2
70°-80°	1359.4	3.0
80°-90°	191.0	0.4
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°	44593.2	100.0
0°-180°	44593.2	100.0

Coefficient of Utilization



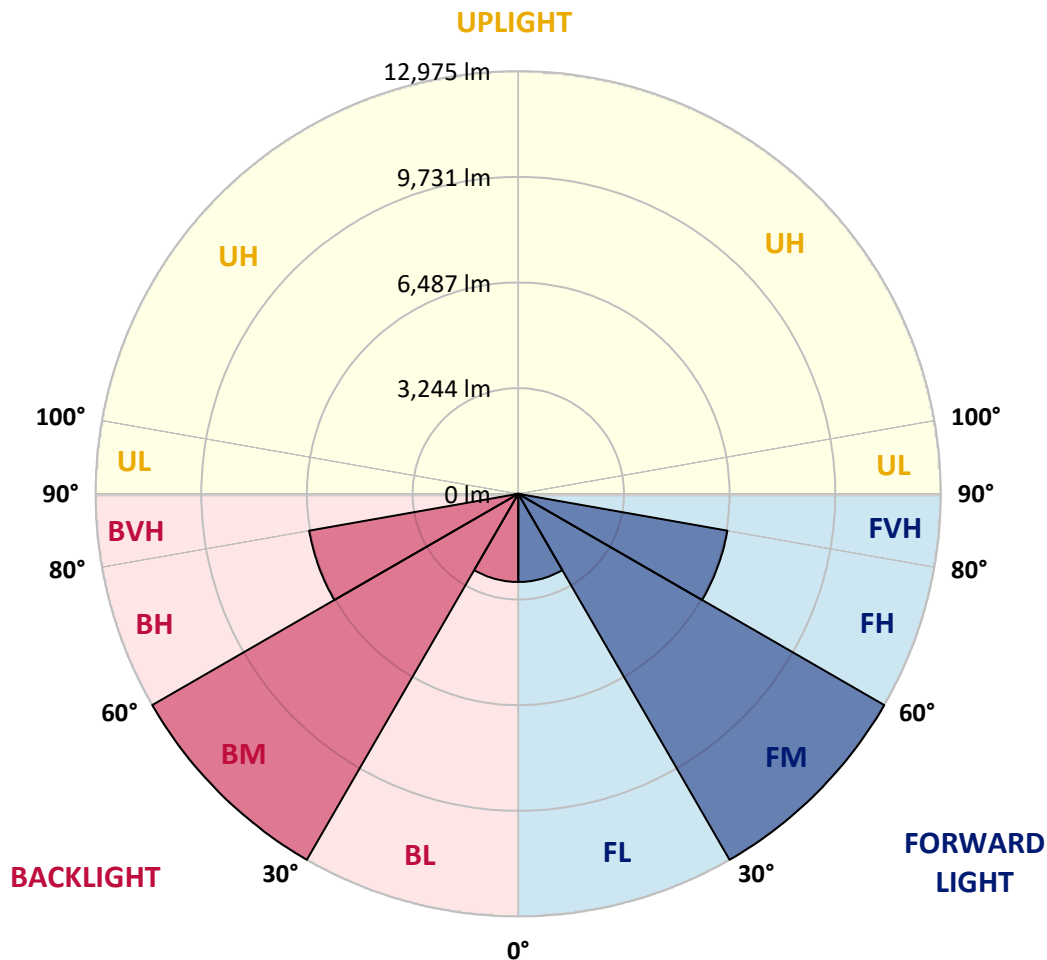
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2706.5	6.1			
FM (30°-60°)	12974.6	29.1			
FH (60°-80°)	6520.0	14.6			G3/7500
FVH (80°-90°)	95.5	0.2			G1/100
BL (0°-30°)	2706.5	6.1	B4/5000		
BM (30°-60°)	12974.6	29.1	B5		
BH (60°-80°)	6520.0	14.6	B5		G3/7500
BVH (80°-90°)	95.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5385.2	5385.2	5385.2	5385.2	5385.2	5385.2	5385.2	5385.2	5385.2	5385.2	5385.2
2.5°	5403.0	5400.0	5403.0	5404.5	5395.5	5400.0	5398.5	5406.0	5408.8	5406.0	5406.0
5°	5465.1	5460.6	5466.6	5474.1	5462.1	5465.1	5460.6	5469.6	5472.6	5466.6	5471.1
7.5°	5551.0	5552.5	5558.4	5571.7	5564.3	5570.2	5561.3	5562.8	5561.3	5552.5	5554.0
10°	5644.2	5645.7	5656.1	5673.9	5676.8	5676.8	5670.9	5666.4	5660.5	5654.6	5656.1
12.5°	5756.8	5764.1	5771.5	5793.8	5793.8	5805.6	5802.6	5790.8	5780.4	5771.5	5771.5
15°	5909.2	5907.7	5916.6	5938.8	5949.1	5968.4	5968.4	5952.1	5938.8	5930.0	5927.0
17.5°	6069.0	6073.5	6079.5	6106.1	6122.3	6144.6	6147.6	6134.2	6125.3	6113.5	6106.1
20°	6255.6	6263.0	6286.6	6297.1	6311.8	6332.6	6339.9	6337.0	6328.1	6322.2	6323.7
22.5°	6473.1	6492.4	6507.2	6522.0	6539.8	6554.6	6562.0	6572.3	6563.5	6559.0	6556.0
25°	6736.7	6750.0	6779.6	6806.3	6818.1	6822.6	6831.4	6846.2	6844.7	6834.4	6834.4
27.5°	7035.7	7060.9	7097.8	7136.3	7136.3	7121.5	7151.1	7176.3	7167.4	7154.1	7136.3
30°	7398.4	7422.0	7465.0	7518.2	7491.6	7481.3	7521.2	7567.1	7553.7	7531.6	7528.6
32.5°	7789.1	7811.3	7867.6	7925.3	7891.2	7876.5	7919.4	7986.0	7962.3	7917.9	7891.2
35°	8212.5	8234.7	8314.6	8384.2	8326.5	8301.3	8336.8	8409.4	8367.9	8285.0	8264.3
37.5°	8672.9	8684.7	8788.3	8859.4	8819.4	8752.8	8797.2	8850.4	8815.0	8714.3	8674.3
40°	9151.0	9193.9	9313.8	9396.7	9327.1	9222.0	9296.0	9370.1	9316.8	9187.9	9119.9
42.5°	9709.1	9741.6	9901.5	9975.5	9862.9	9714.9	9815.6	9916.2	9862.9	9738.7	9679.4
45°	10289.3	10339.6	10530.6	10604.6	10441.8	10253.7	10376.6	10552.8	10548.4	10369.2	10307.0
47.5°	10921.4	10971.7	11199.6	11297.3	11121.2	10869.6	11042.8	11291.5	11273.7	11076.8	11026.4
50°	11651.1	11704.4	11988.6	12111.5	11947.2	11654.1	11914.6	12133.7	12101.2	11858.4	11862.8
52.5°	12567.4	12564.4	12918.2	13131.4	12962.7	12703.6	12943.4	13156.5	13021.8	12685.8	12675.5
55°	13369.8	13418.6	13856.8	14260.9	14250.4	14151.3	14247.6	14256.4	13871.5	13424.5	13369.8
57.5°	13896.7	13990.0	14607.2	15338.5	15886.1	16017.9	15831.4	15265.9	14364.5	13649.5	13562.1
60°	13572.6	13714.6	14684.2	16174.8	17788.3	18562.5	17510.0	15755.9	13981.0	12984.8	12866.4
62.5°	11384.7	11624.5	13044.1	15770.7	19425.5	21688.8	18726.8	14969.9	12456.4	11084.2	10881.4
65°	6933.5	7186.7	8897.9	12980.4	19160.5	24163.8	18171.7	12425.4	9091.8	7385.0	7165.9
67.5°	2310.7	2384.7	3392.8	7174.9	15058.7	21711.0	15083.9	7438.3	3956.7	2623.1	2546.0
70°	904.4	911.8	1076.1	2079.8	7111.2	14912.1	7846.9	2116.8	1125.0	889.6	908.9
72.5°	664.7	667.6	713.5	868.9	1853.3	6569.4	1919.9	873.3	694.3	623.2	623.2
75°	534.3	534.3	566.9	633.5	830.4	1506.9	842.3	626.2	543.3	497.4	491.5
77.5°	421.9	430.7	455.9	498.8	562.5	725.3	583.2	495.9	438.2	395.3	386.3
80°	313.8	322.7	364.1	384.8	404.1	503.3	430.7	387.8	346.3	296.0	287.2
82.5°	205.8	214.6	266.4	278.3	273.9	328.6	290.2	285.7	254.6	191.0	182.1
85°	134.7	137.7	177.6	185.0	170.2	149.5	185.0	195.4	177.6	124.4	119.9
87.5°	63.6	63.6	90.3	84.4	76.9	62.1	84.4	99.2	100.7	60.7	59.2
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)