

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: P382683

Luminaire Tested: **GLEON-SA0D-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382683
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-SA0D-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 73798.1 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 640
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

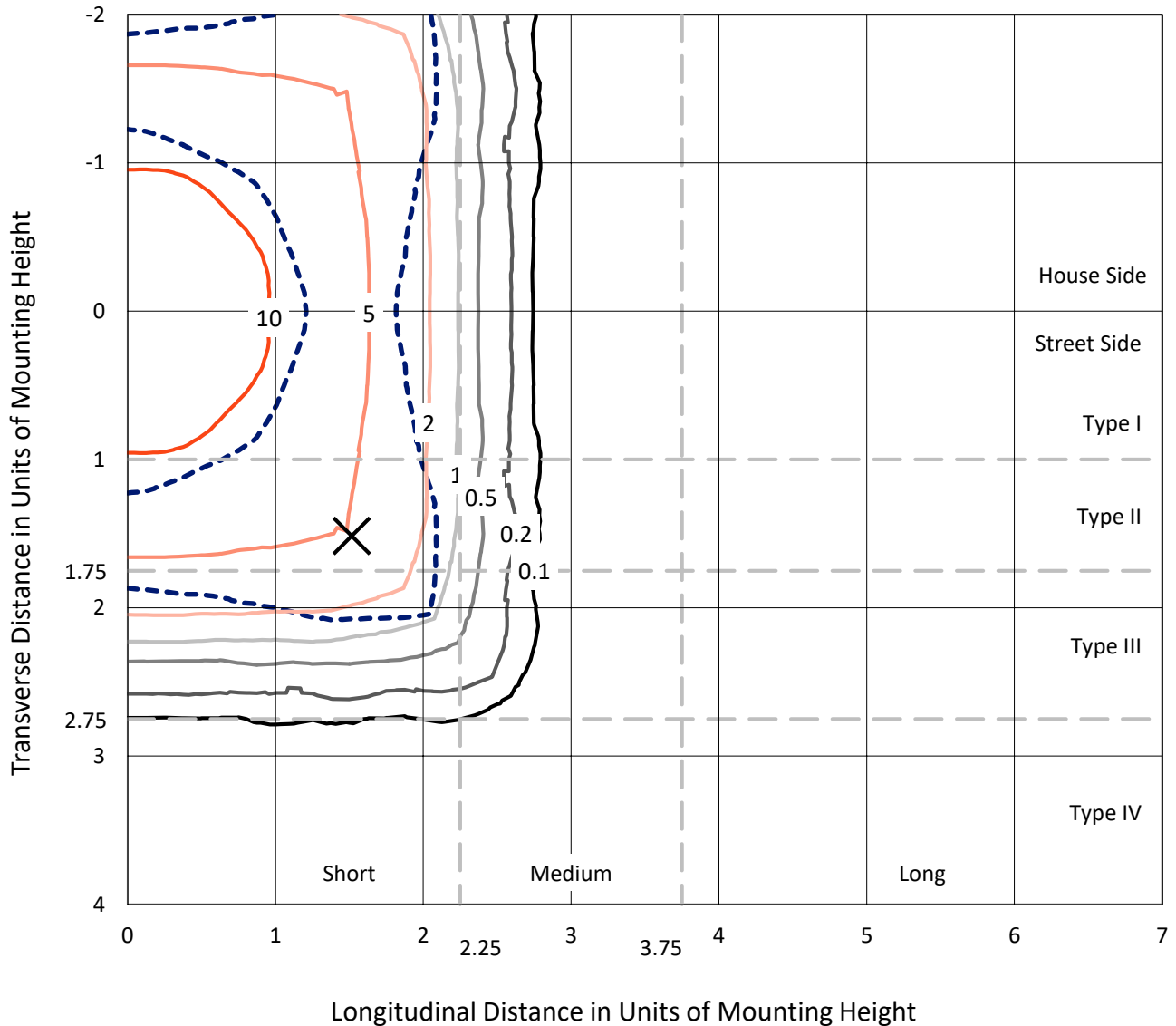




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Iso-Footcandle Lines of Horizontal Illumination

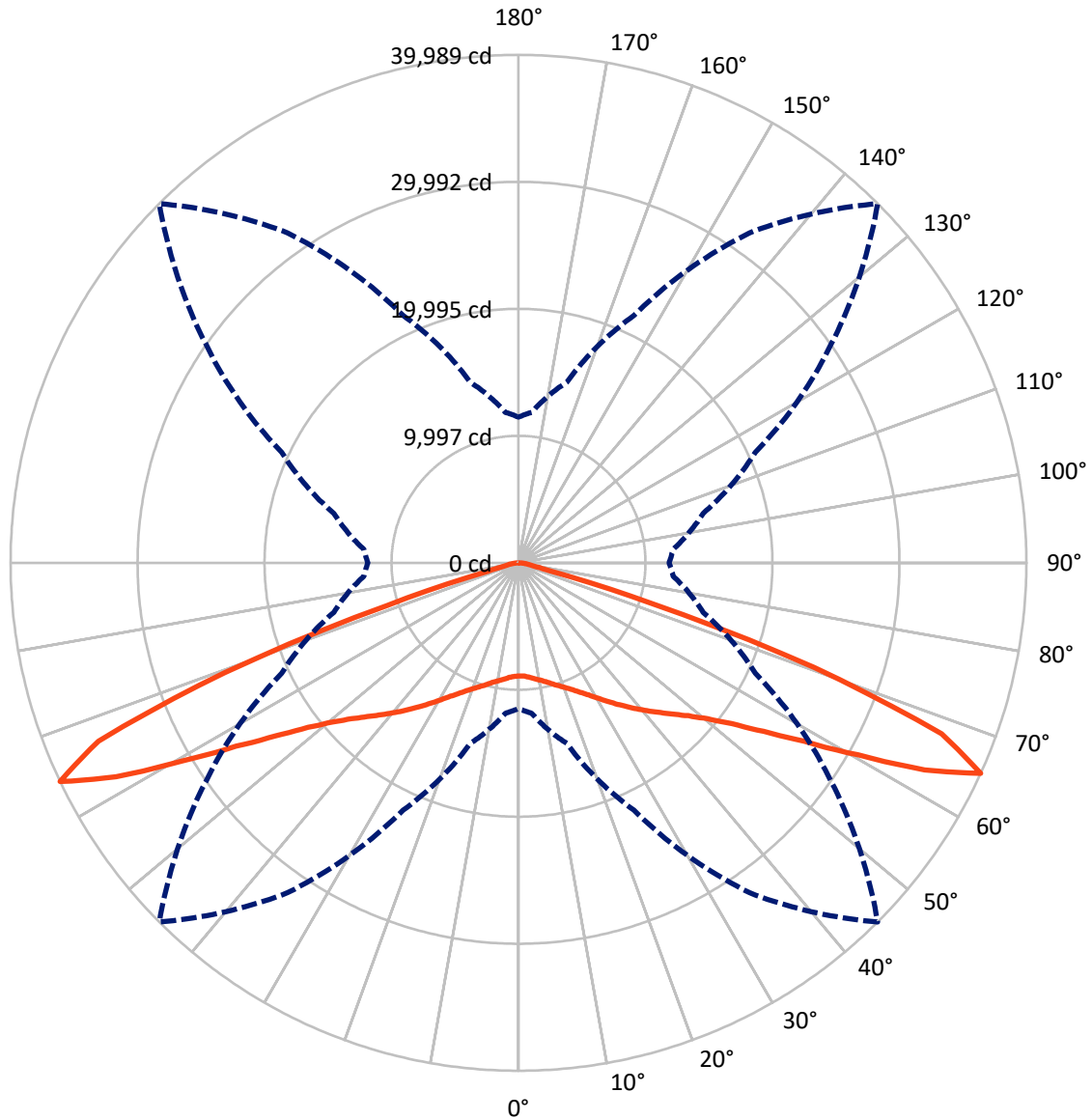
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 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	36899.1	0.0	36899.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36899.1	0.0	36899.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	73798.1	0.0	73798.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.4	1.2
10°-20°	2810.5	3.8
20°-30°	5273.1	7.1
30°-40°	8720.6	11.8
40°-50°	13507.1	18.3
50°-60°	20716.1	28.1
60°-70°	19330.4	26.2
70°-80°	2249.8	3.0
80°-90°	316.1	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°	73798.1	100.0
0°-180°	73798.1	100.0

Coefficient of Utilization



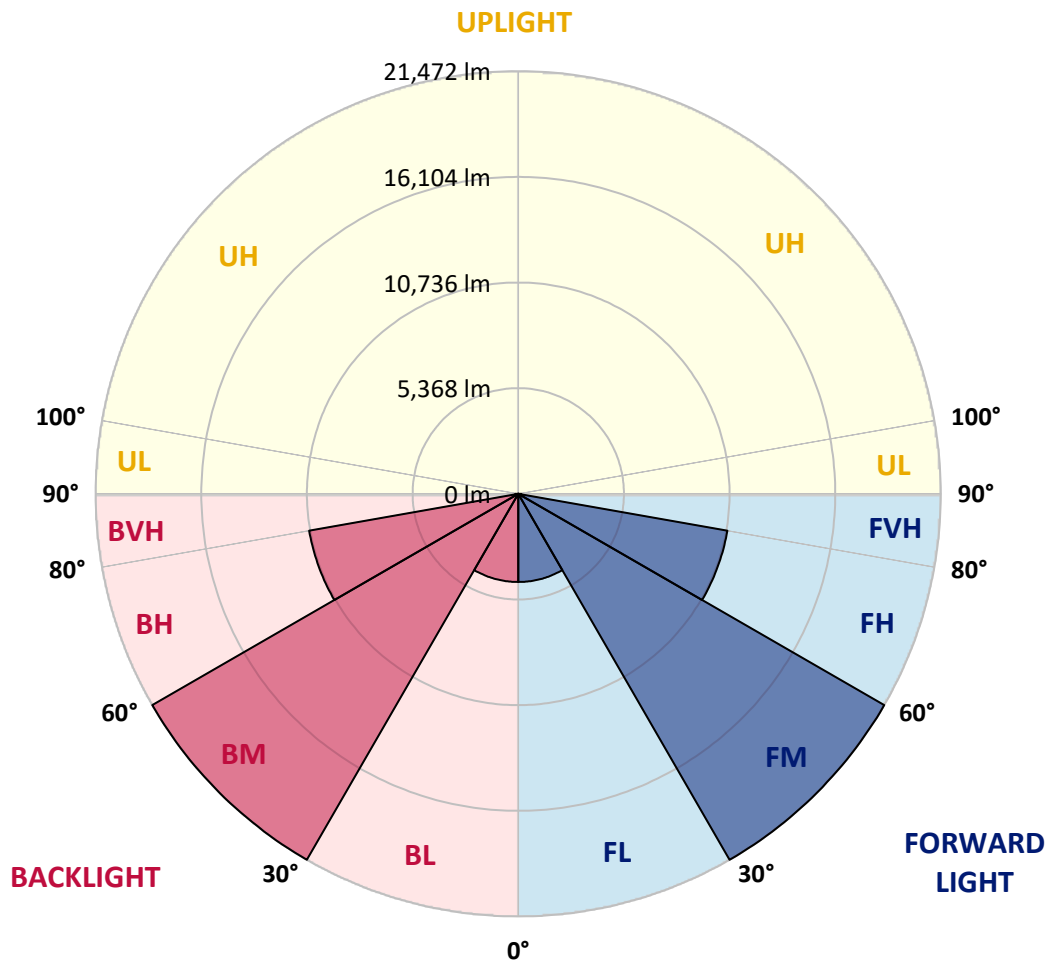
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4479.0	6.1			
FM (30°-60°)	21471.9	29.1			
FH (60°-80°)	10790.1	14.6			G4/12000
FVH (80°-90°)	158.1	0.2			G2/225
BL (0°-30°)	4479.0	6.1	B4/5000		
BM (30°-60°)	21471.9	29.1	B5		
BH (60°-80°)	10790.1	14.6	B5		G4/12000
BVH (80°-90°)	158.1	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8912.0	8912.0	8912.0	8912.0	8912.0	8912.0	8912.0	8912.0	8912.0	8912.0	8912.0
2.5°	8941.5	8936.5	8941.5	8943.9	8929.2	8936.5	8934.1	8946.4	8951.2	8946.4	8946.4
5°	9044.3	9037.0	9046.8	9059.0	9039.5	9044.3	9037.0	9051.7	9056.6	9046.8	9054.2
7.5°	9186.5	9188.9	9198.7	9220.7	9208.4	9218.3	9203.6	9206.0	9203.6	9188.9	9191.3
10°	9340.7	9343.2	9360.4	9389.7	9394.7	9394.7	9384.9	9377.5	9367.7	9357.9	9360.4
12.5°	9526.9	9539.1	9551.4	9588.1	9588.1	9607.8	9602.9	9583.3	9566.2	9551.4	9551.4
15°	9779.3	9776.8	9791.5	9828.3	9845.4	9877.3	9877.3	9850.3	9828.3	9813.6	9808.6
17.5°	10043.9	10051.2	10061.0	10105.1	10132.0	10168.8	10173.6	10151.6	10136.9	10117.4	10105.1
20°	10352.5	10364.8	10403.9	10421.0	10445.5	10479.9	10492.1	10487.3	10472.6	10462.8	10465.2
22.5°	10712.6	10744.5	10769.0	10793.5	10822.8	10847.3	10859.6	10876.7	10862.0	10854.7	10849.8
25°	11148.7	11170.7	11219.7	11263.8	11283.4	11290.7	11305.4	11329.9	11327.4	11310.3	11310.3
27.5°	11643.5	11685.1	11746.3	11810.1	11810.1	11785.6	11834.6	11876.2	11861.5	11839.5	11810.1
30°	12243.7	12282.8	12353.9	12442.1	12398.0	12380.8	12447.0	12523.0	12500.9	12464.1	12459.3
32.5°	12890.4	12927.2	13020.2	13115.7	13059.5	13035.0	13105.9	13216.2	13177.0	13103.5	13059.5
35°	13591.0	13627.8	13760.1	13875.2	13779.6	13738.0	13796.8	13916.9	13848.2	13711.1	13676.8
37.5°	14352.9	14372.5	14544.0	14661.5	14595.4	14485.2	14558.7	14646.8	14588.0	14421.5	14355.3
40°	15144.2	15215.2	15413.6	15550.8	15435.7	15261.7	15384.2	15506.7	15418.5	15205.4	15092.7
42.5°	16067.7	16121.5	16386.1	16508.6	16322.5	16077.5	16244.0	16410.6	16322.5	16116.7	16018.7
45°	17027.9	17111.2	17427.3	17549.7	17280.3	16969.2	17172.5	17464.0	17456.6	17160.2	17057.4
47.5°	18074.0	18157.3	18534.5	18696.3	18404.7	17988.3	18274.8	18686.4	18657.0	18331.2	18247.9
50°	19281.7	19369.9	19840.2	20043.6	19771.6	19286.6	19717.8	20080.3	20026.4	19624.6	19632.0
52.5°	20798.1	20793.2	21378.6	21731.4	21452.1	21023.4	21420.3	21773.1	21550.1	20994.0	20976.9
55°	22125.8	22206.7	22931.8	23600.6	23583.4	23419.3	23578.5	23593.2	22956.3	22216.5	22125.8
57.5°	22998.0	23152.2	24173.8	25383.9	26290.3	26508.4	26199.7	25263.9	23772.0	22588.8	22444.2
60°	22461.4	22696.6	24301.2	26768.0	29438.2	30719.4	28977.7	26074.8	23137.6	21488.8	21292.9
62.5°	18840.7	19237.6	21586.8	26099.3	32147.6	35893.2	30991.3	24773.9	20614.3	18343.5	18007.8
65°	11474.4	11893.3	14725.3	21481.6	31709.1	39989.1	30072.7	20562.9	15046.2	12221.6	11859.1
67.5°	3824.0	3946.5	5614.7	11873.8	24920.9	35930.0	24962.6	12309.8	6548.1	4340.9	4213.5
70°	1496.8	1509.0	1780.9	3441.9	11768.4	24678.4	12986.0	3503.1	1861.8	1472.3	1504.2
72.5°	1099.9	1104.8	1180.7	1437.9	3067.0	10871.8	3177.3	1445.3	1148.9	1031.3	1031.3
75°	884.3	884.3	938.3	1048.5	1374.3	2493.8	1393.9	1036.3	899.0	823.1	813.3
77.5°	698.2	712.8	754.6	825.5	930.9	1200.4	965.2	820.7	725.1	654.0	639.4
80°	519.3	534.1	602.6	636.9	668.8	832.9	712.8	641.8	573.3	489.9	475.3
82.5°	340.5	355.2	441.0	460.6	453.2	543.8	480.1	472.8	421.3	316.0	301.4
85°	222.9	227.9	294.0	306.2	281.7	247.4	306.2	323.3	294.0	205.8	198.4
87.5°	105.4	105.4	149.4	139.6	127.3	102.8	139.6	164.1	166.6	100.4	98.0
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)