

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: P383579

Luminaire Tested: **GLEON-SA8D-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383579
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-SA8D-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 59753.2 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

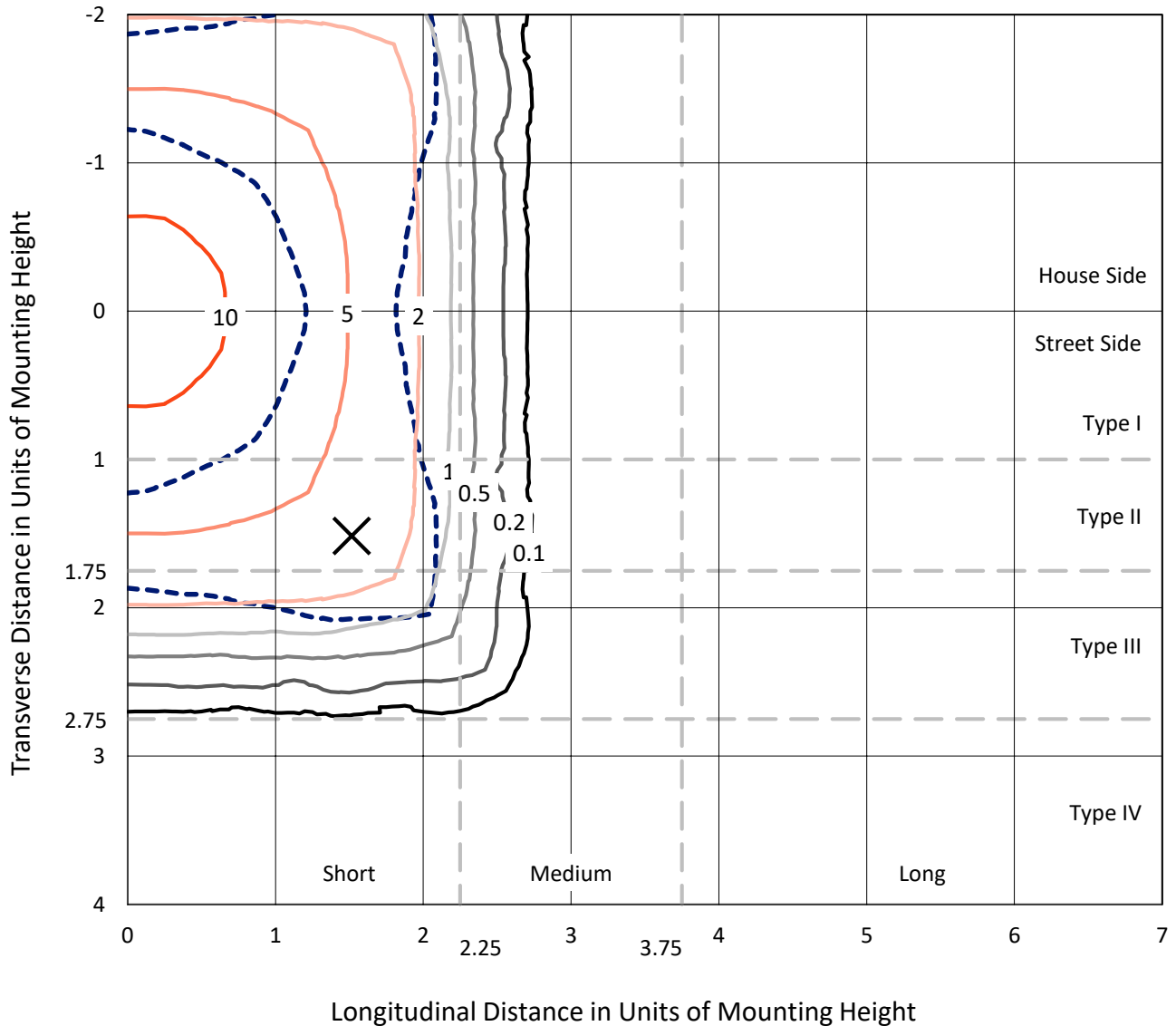
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

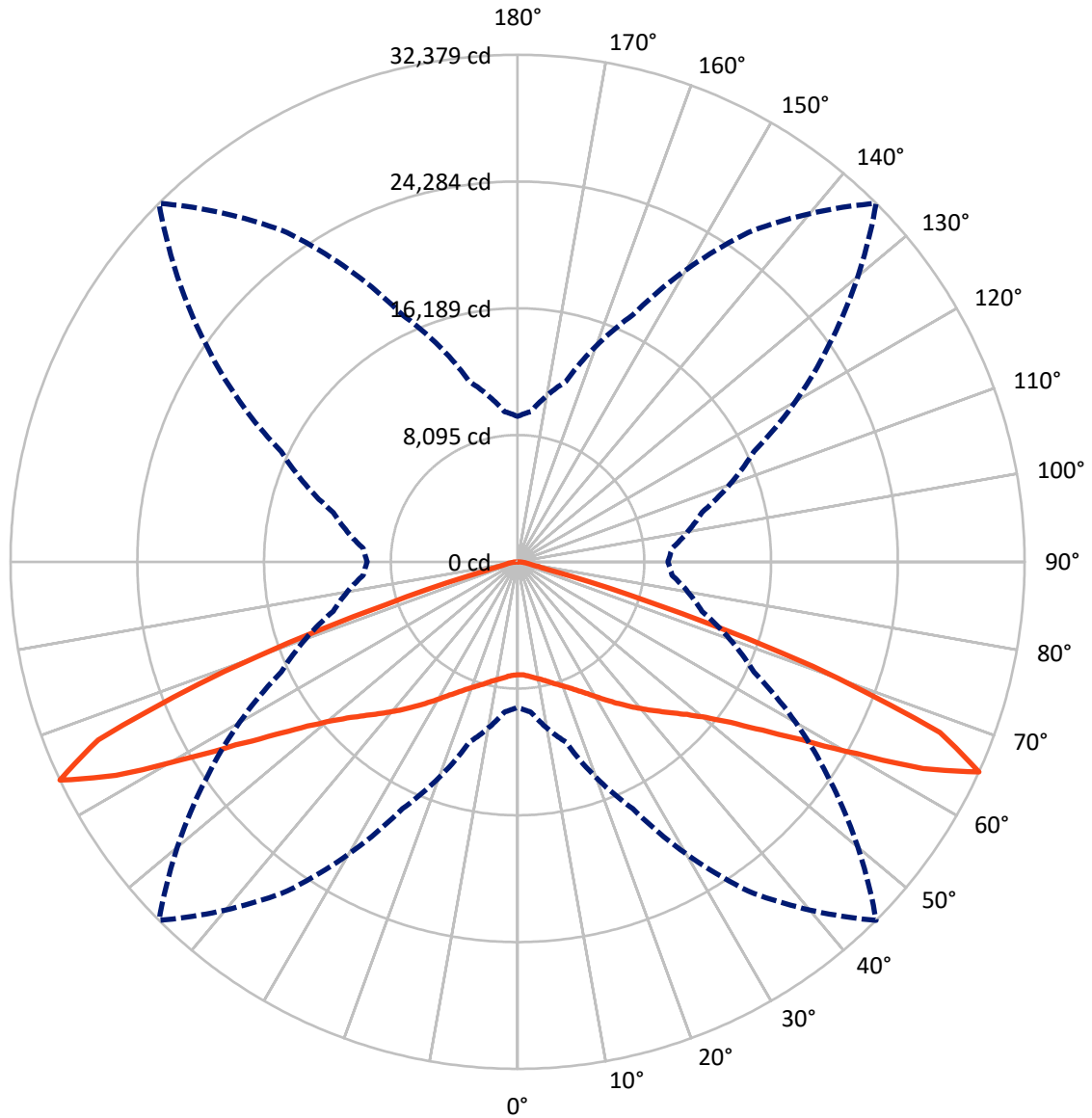
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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	29876.6	0.0	29876.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29876.6	0.0	29876.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	59753.2	0.0	59753.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.0	1.2
10°-20°	2275.6	3.8
20°-30°	4269.5	7.1
30°-40°	7061.0	11.8
40°-50°	10936.5	18.3
50°-60°	16773.5	28.1
60°-70°	15651.6	26.2
70°-80°	1821.6	3.0
80°-90°	256.0	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°	59753.2	100.0
0°-180°	59753.2	100.0



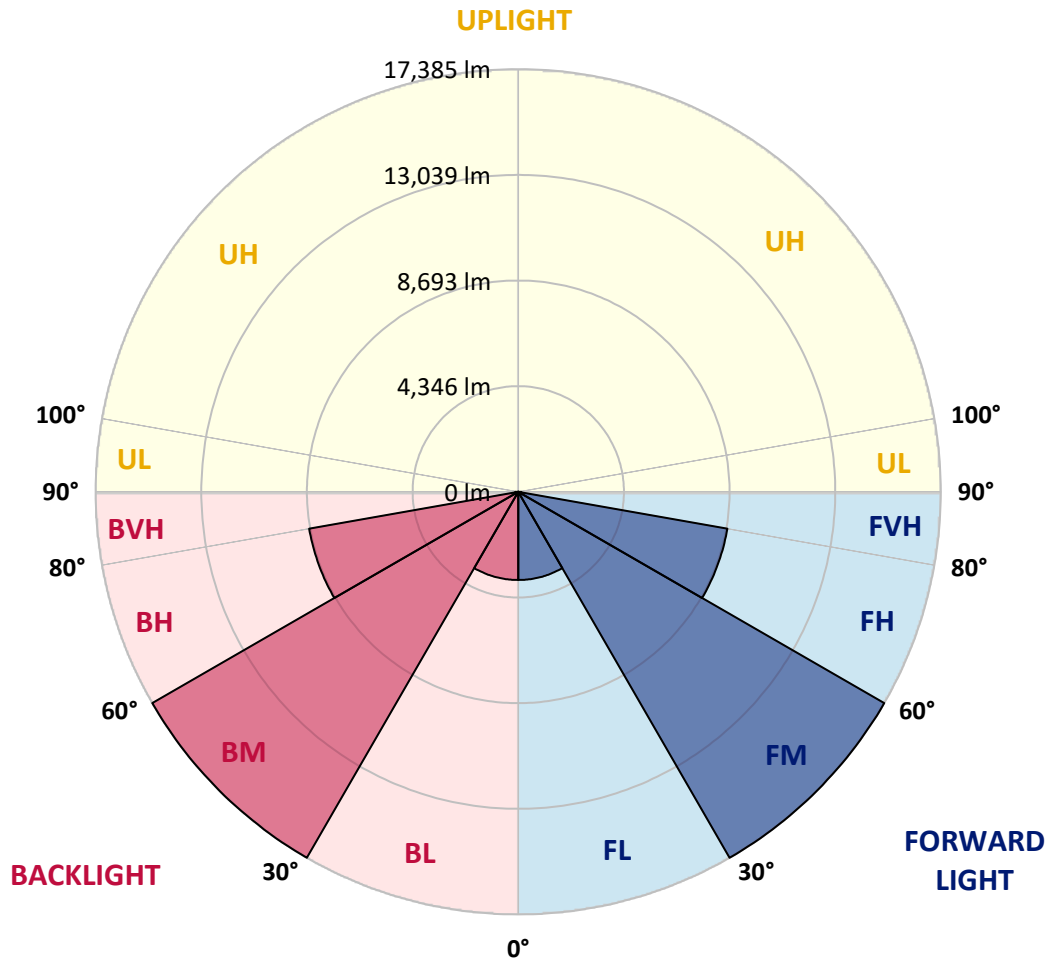
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3626.6	6.1			
FM (30°-60°)	17385.5	29.1			
FH (60°-80°)	8736.6	14.6			G4/12000
FVH (80°-90°)	128.0	0.2			G2/225
BL (0°-30°)	3626.6	6.1	B4/5000		
BM (30°-60°)	17385.5	29.1	B5		
BH (60°-80°)	8736.6	14.6	B5		G4/12000
BVH (80°-90°)	128.0	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°	7216.0	7216.0	7216.0	7216.0	7216.0	7216.0	7216.0	7216.0	7216.0	7216.0	7216.0
2.5°	7239.8	7235.8	7239.8	7241.8	7229.8	7235.8	7233.8	7243.7	7247.7	7243.7	7243.7
5°	7323.1	7317.1	7325.0	7335.0	7319.1	7323.1	7317.1	7329.0	7333.0	7325.0	7331.0
7.5°	7438.1	7440.1	7448.0	7465.9	7455.9	7463.9	7452.0	7454.0	7452.0	7440.1	7442.0
10°	7563.0	7565.0	7579.0	7602.7	7606.7	7606.7	7598.7	7592.9	7584.8	7576.9	7579.0
12.5°	7713.8	7723.7	7733.6	7763.4	7763.4	7779.3	7775.3	7759.4	7745.5	7733.6	7733.6
15°	7918.2	7916.1	7928.0	7957.7	7971.6	7997.4	7997.4	7975.6	7957.7	7945.9	7941.9
17.5°	8132.3	8138.3	8146.2	8181.9	8203.8	8233.5	8237.5	8219.6	8207.7	8191.8	8181.9
20°	8382.3	8392.1	8423.9	8437.8	8457.6	8485.4	8495.3	8491.3	8479.4	8471.5	8473.5
22.5°	8673.8	8699.6	8719.5	8739.3	8763.1	8782.9	8792.9	8806.8	8794.8	8788.9	8784.9
25°	9026.9	9044.8	9084.5	9120.1	9136.0	9141.9	9153.9	9173.7	9171.6	9157.8	9157.8
27.5°	9427.5	9461.3	9510.8	9562.4	9562.4	9542.6	9582.3	9616.0	9604.1	9586.3	9562.4
30°	9913.5	9945.2	10002.8	10074.1	10038.5	10024.6	10078.1	10139.6	10121.7	10092.0	10088.0
32.5°	10437.2	10466.9	10542.2	10619.6	10574.0	10554.2	10611.7	10701.0	10669.2	10609.7	10574.0
35°	11004.5	11034.2	11141.3	11234.6	11157.1	11123.4	11171.0	11268.3	11212.7	11101.6	11073.9
37.5°	11621.3	11637.2	11776.0	11871.2	11817.7	11728.4	11787.9	11859.3	11811.7	11676.9	11623.3
40°	12262.0	12319.5	12480.1	12591.3	12498.0	12357.2	12456.4	12555.5	12484.1	12311.5	12220.3
42.5°	13009.7	13053.4	13267.6	13366.8	13216.1	13017.6	13152.5	13287.4	13216.1	13049.4	12970.0
45°	13787.3	13854.7	14110.6	14209.7	13991.6	13739.7	13904.3	14140.3	14134.4	13894.4	13811.0
47.5°	14634.2	14701.7	15007.1	15138.0	14902.0	14564.8	14796.9	15130.1	15106.3	14842.5	14775.1
50°	15612.1	15683.5	16064.4	16229.0	16008.8	15616.1	15965.1	16258.7	16215.1	15889.8	15895.7
52.5°	16839.9	16835.9	17309.9	17595.5	17369.5	17022.4	17343.6	17629.3	17448.8	16998.5	16984.6
55°	17915.0	17980.4	18567.5	19109.0	19095.1	18962.2	19091.1	19103.1	18587.4	17988.3	17915.0
57.5°	18621.1	18746.0	19573.1	20553.0	21286.9	21463.4	21213.5	20455.8	19247.8	18289.8	18172.8
60°	18186.7	18377.1	19676.2	21673.7	23835.7	24873.1	23462.8	21112.3	18734.1	17399.3	17240.5
62.5°	15255.0	15576.4	17478.5	21132.2	26029.4	29062.1	25093.2	20059.1	16691.1	14852.4	14580.7
65°	9290.7	9629.9	11922.8	17393.3	25674.4	32378.5	24349.4	16649.5	12182.6	9895.6	9602.1
67.5°	3096.3	3195.4	4546.1	9614.0	20178.1	29092.0	20211.8	9967.1	5301.9	3514.7	3411.6
70°	1211.9	1221.8	1442.0	2786.8	9528.7	19981.7	10514.5	2836.4	1507.4	1192.1	1217.9
72.5°	890.6	894.6	956.0	1164.3	2483.3	8802.8	2572.6	1170.3	930.2	835.0	835.0
75°	716.1	716.1	759.7	848.9	1112.7	2019.2	1128.6	839.0	727.9	666.4	658.5
77.5°	565.3	577.2	610.9	668.5	753.7	971.9	781.5	664.5	587.2	529.6	517.7
80°	420.5	432.4	487.9	515.7	541.5	674.3	577.2	519.7	464.1	396.7	384.8
82.5°	275.7	287.6	357.1	372.9	366.9	440.3	388.7	382.8	341.1	255.9	244.0
85°	180.5	184.4	238.0	248.0	228.1	200.4	248.0	261.9	238.0	166.7	160.7
87.5°	85.3	85.3	121.0	113.1	103.1	83.3	113.1	132.9	134.9	81.3	79.4
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)