

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: P382682

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
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-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 75156.3 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

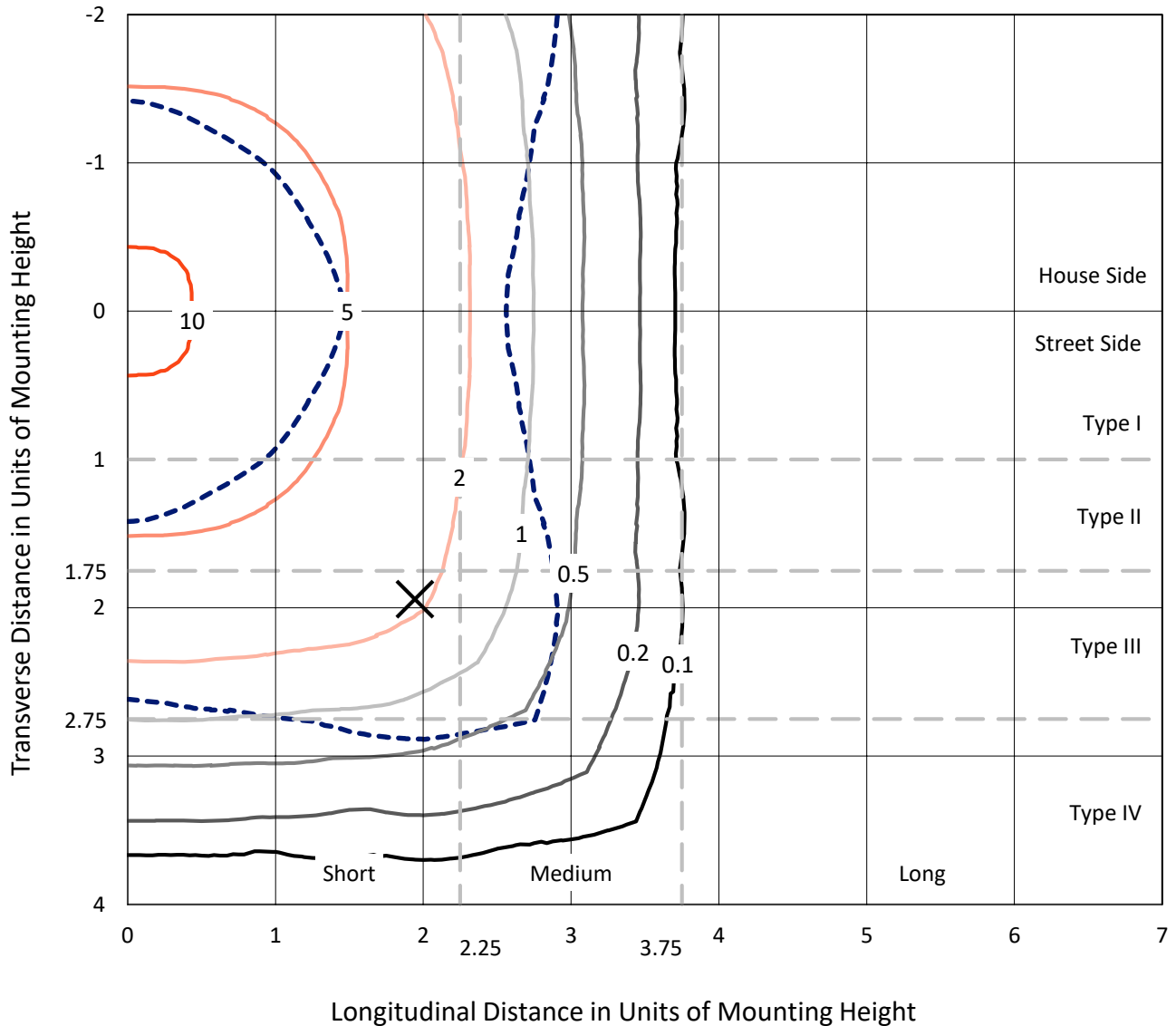
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

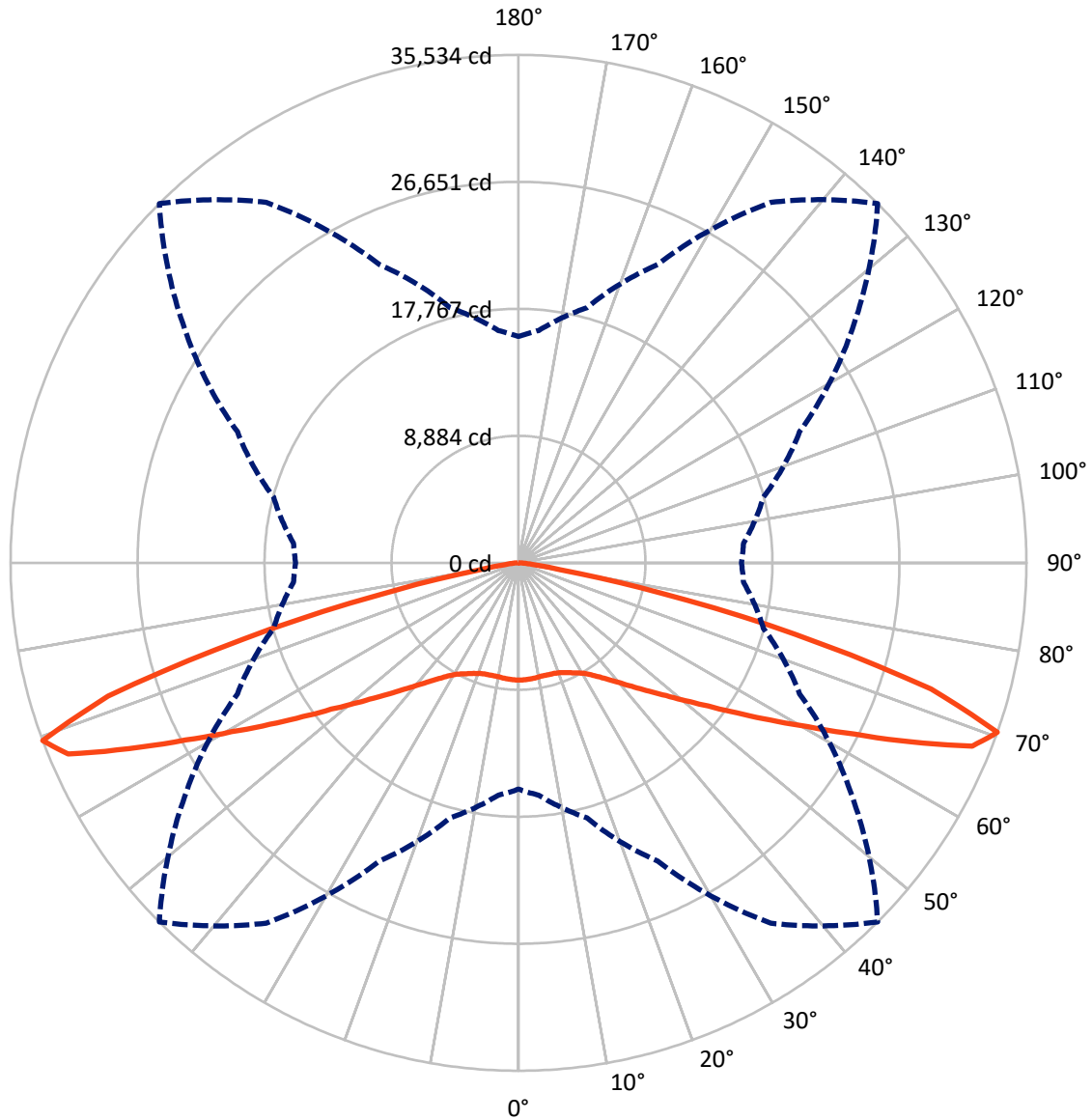
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37578.2	0.0	37578.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	37578.2	0.0	37578.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	75156.3	0.0	75156.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	777.4	1.0
10°-20°	2282.3	3.0
20°-30°	3885.2	5.2
30°-40°	6161.8	8.2
40°-50°	10027.2	13.3
50°-60°	16533.0	22.0
60°-70°	24270.9	32.3
70°-80°	10732.6	14.3
80°-90°	486.0	0.6
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°	75156.3	100.0
0°-180°	75156.3	100.0



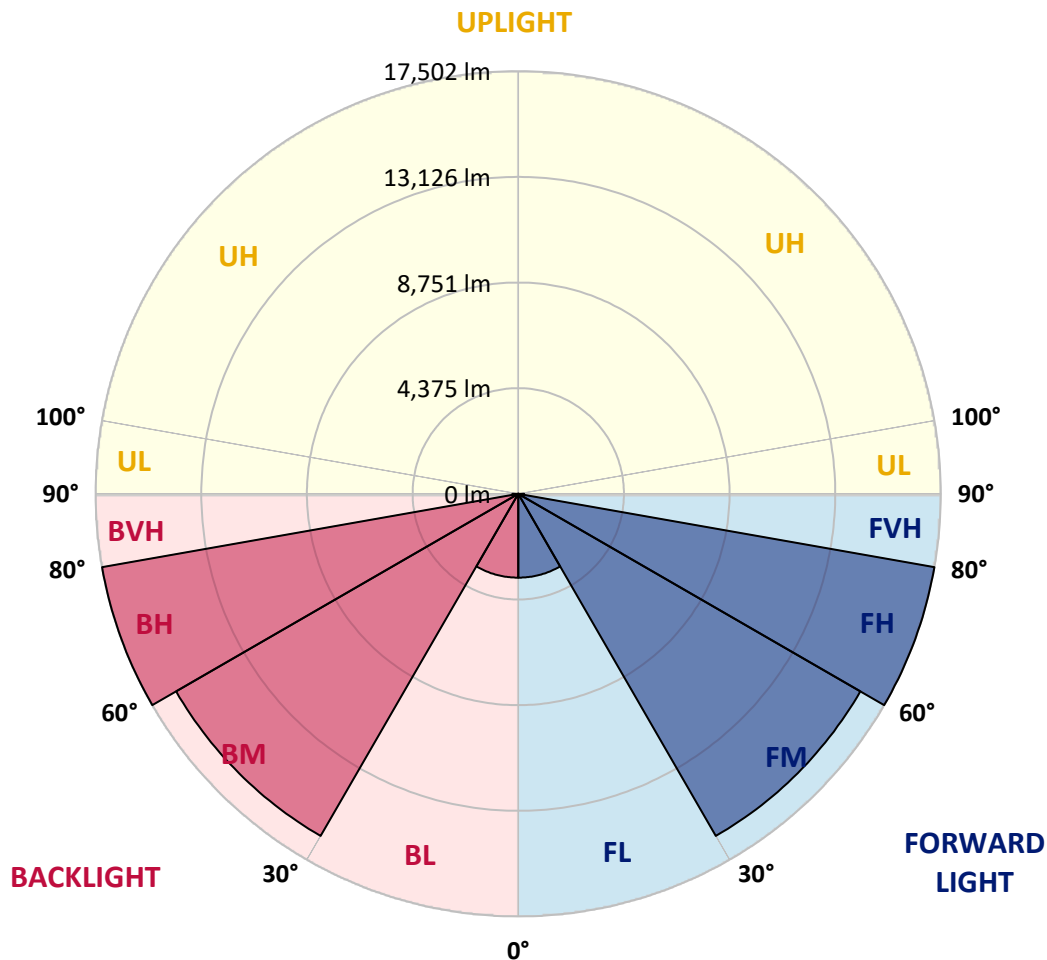
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3472.4	4.6			
FM (30°-60°)	16361.0	21.8			
FH (60°-80°)	17501.7	23.3			G5
FVH (80°-90°)	243.0	0.3			G3/500
BL (0°-30°)	3472.4	4.6	B4/5000		
BM (30°-60°)	16361.0	21.8	B5		
BH (60°-80°)	17501.7	23.3	B5		G5
BVH (80°-90°)	243.0	0.3			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8208.2	8208.2	8208.2	8208.2	8208.2	8208.2	8208.2	8208.2	8208.2	8208.2	8208.2
2.5°	8195.8	8188.3	8205.7	8203.3	8188.3	8190.8	8190.8	8198.3	8198.3	8193.3	8193.3
5°	8165.9	8161.0	8180.9	8180.9	8165.9	8171.0	8175.9	8183.4	8180.9	8175.9	8173.4
7.5°	8128.7	8126.2	8146.0	8146.0	8136.1	8141.1	8136.1	8138.6	8133.6	8128.7	8121.1
10°	8066.5	8071.4	8088.8	8093.8	8093.8	8096.3	8091.3	8078.9	8071.4	8063.9	8056.5
12.5°	8009.3	8006.7	8031.6	8044.1	8063.9	8086.4	8071.4	8036.6	8021.6	8006.7	8001.8
15°	7971.9	7974.4	7999.3	8021.6	8056.5	8103.8	8086.4	8031.6	8001.8	7984.4	7979.5
17.5°	7964.5	7969.5	8001.8	8041.6	8078.9	8131.1	8121.1	8066.5	8016.7	7984.4	7976.9
20°	7981.9	7984.4	8034.1	8091.3	8156.0	8205.7	8183.4	8123.7	8056.5	8006.7	7994.4
22.5°	8014.2	8024.2	8086.4	8175.9	8275.4	8342.6	8315.2	8213.2	8108.7	8046.5	8029.2
25°	8116.2	8118.7	8203.3	8325.1	8444.6	8521.6	8489.3	8345.1	8210.8	8141.1	8118.7
27.5°	8327.7	8335.1	8419.7	8561.5	8663.4	8713.1	8693.3	8576.4	8462.0	8387.4	8394.8
30°	8633.6	8643.6	8738.0	8894.8	8956.9	8969.4	8964.4	8909.7	8805.2	8705.7	8713.1
32.5°	9006.7	9011.7	9138.5	9280.3	9330.0	9340.0	9330.0	9280.3	9155.9	9021.6	9029.0
35°	9486.7	9501.7	9623.5	9760.4	9800.2	9820.0	9802.7	9737.9	9608.6	9476.8	9471.8
37.5°	10078.7	10081.2	10208.1	10349.9	10399.6	10404.5	10384.7	10342.4	10180.7	10061.3	10053.8
40°	10765.2	10775.2	10924.4	11076.2	11096.0	11073.7	11101.1	11076.2	10909.5	10772.7	10795.1
42.5°	11600.9	11623.4	11802.4	11951.7	11894.5	11882.1	11899.5	11906.9	11772.6	11606.0	11591.1
45°	12573.6	12593.4	12817.3	12936.7	12899.4	12817.3	12852.1	12911.8	12725.2	12518.8	12538.7
47.5°	13682.9	13732.6	13971.4	14083.3	13991.3	13879.4	13946.6	14036.1	13817.2	13561.0	13548.6
50°	14916.6	14978.8	15297.1	15453.9	15361.9	15155.4	15267.3	15327.0	15011.1	14680.4	14653.0
52.5°	16232.4	16294.6	16695.1	17018.4	16958.7	16637.8	16794.6	16732.4	16369.2	15924.0	15889.1
55°	17722.3	17747.2	18180.0	18702.3	18762.0	18525.8	18515.8	18413.8	17876.6	17361.7	17336.8
57.5°	19254.5	19271.9	19831.6	20448.5	20729.5	20729.5	20450.9	20234.5	19520.7	18923.7	18861.5
60°	20908.6	20970.8	21590.2	22428.4	23085.1	23279.1	22786.6	22197.1	21421.0	20692.2	20620.1
62.5°	22381.2	22453.3	23400.9	24649.6	25704.2	26410.7	25206.7	24246.6	22833.8	21664.8	21528.0
65°	22567.7	22761.7	24142.2	26403.1	28763.7	30173.9	27865.8	25500.3	22925.9	21301.6	21162.3
67.5°	20610.1	20938.5	22804.0	26323.6	31201.3	34228.3	29564.6	24783.9	21274.3	19478.4	19324.2
70°	15837.0	16314.5	18466.1	23025.3	30780.9	35534.3	28500.0	21697.1	17737.2	15804.6	15588.2
72.5°	8688.3	8884.8	10819.9	15767.3	24677.0	30196.4	23771.6	16043.4	11762.7	9571.3	9208.2
75°	2756.0	2825.7	3810.6	6452.2	13959.0	20000.8	15100.7	7874.9	4335.4	3196.2	3159.0
77.5°	1223.8	1231.2	1377.9	1882.9	4808.0	10133.5	5775.6	2144.0	1477.5	1290.9	1333.2
80°	773.6	773.6	853.2	932.8	1308.4	2942.6	1562.0	1019.8	870.5	808.4	825.8
82.5°	370.6	410.4	554.6	596.9	718.9	990.0	800.9	666.6	582.0	432.8	403.0
85°	243.8	203.9	350.7	395.4	417.9	475.1	465.1	440.2	380.5	216.4	241.3
87.5°	109.5	104.4	181.6	166.7	156.7	119.4	179.0	221.3	213.9	106.9	106.9
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)