

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: P382852

Luminaire Tested: **GLEON-SA2B-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA2B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11473.9 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

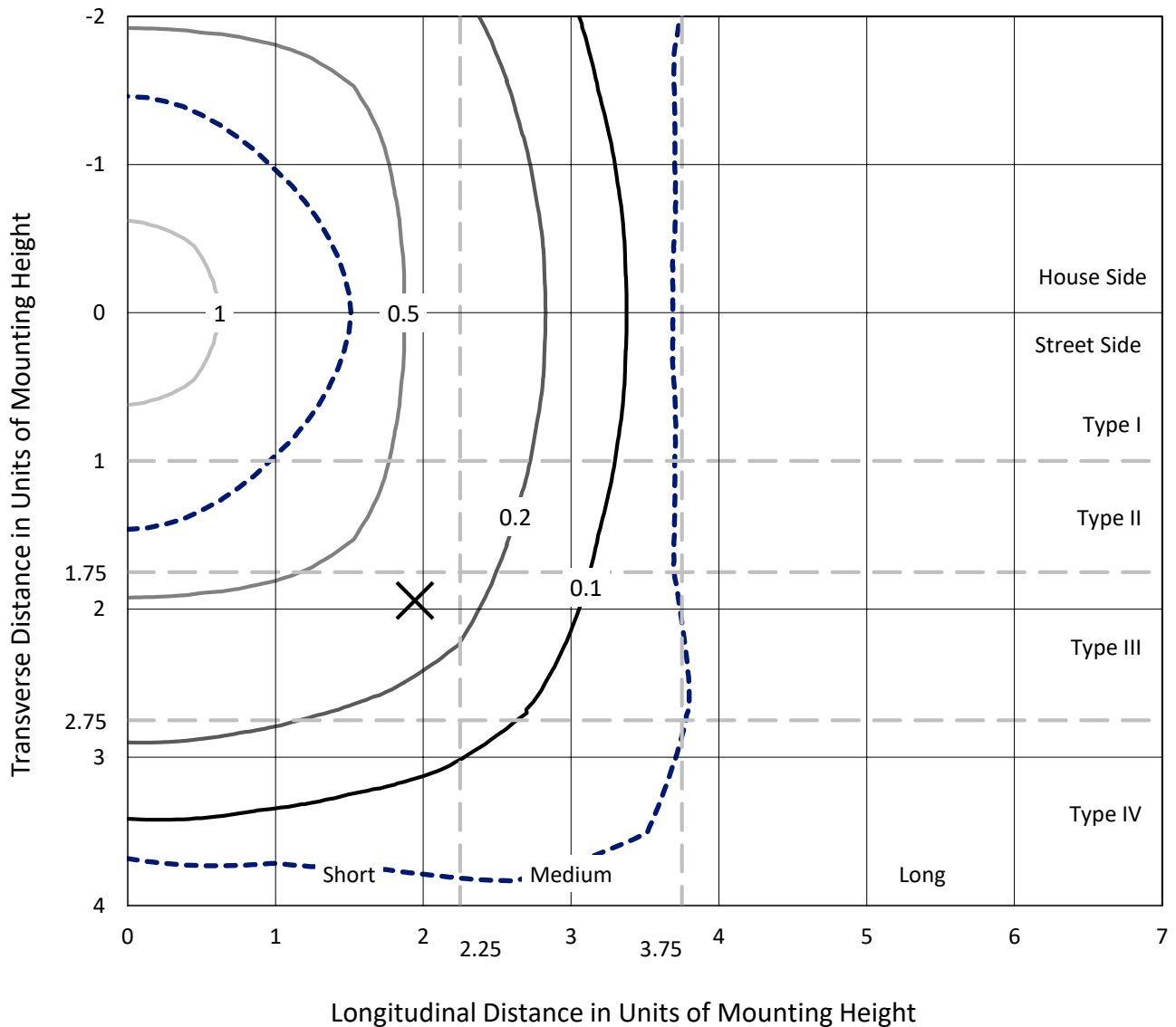
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

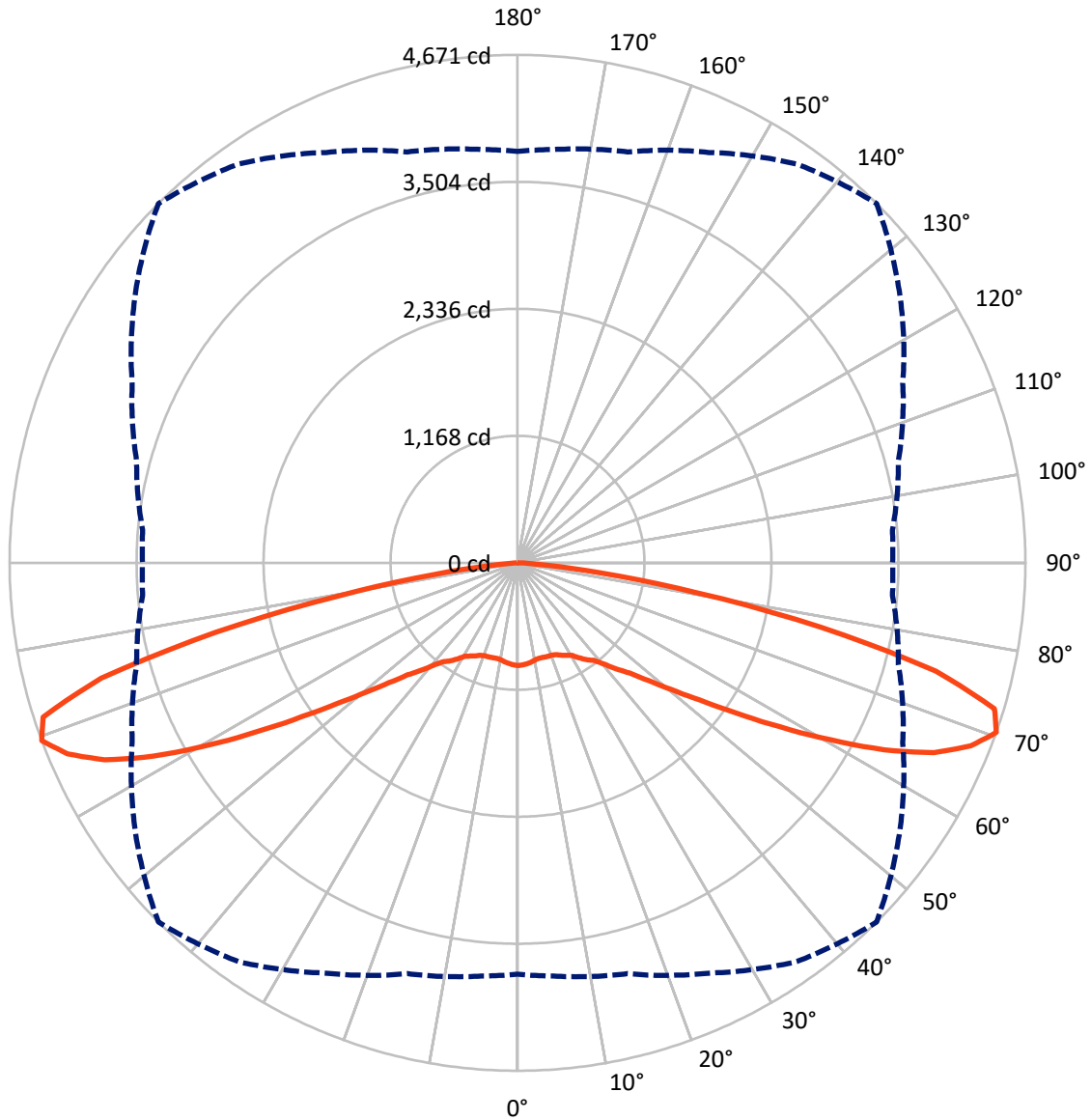
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	5736.9	0.0	5736.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5736.9	0.0	5736.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11473.9	0.0	11473.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	0.8
10°-20°	257.4	2.2
20°-30°	438.9	3.8
30°-40°	685.8	6.0
40°-50°	1162.3	10.1
50°-60°	2119.6	18.5
60°-70°	3649.1	31.8
70°-80°	2860.3	24.9
80°-90°	212.1	1.8
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°	11473.9	100.0
0°-180°	11473.9	100.0

Coefficient of Utilization



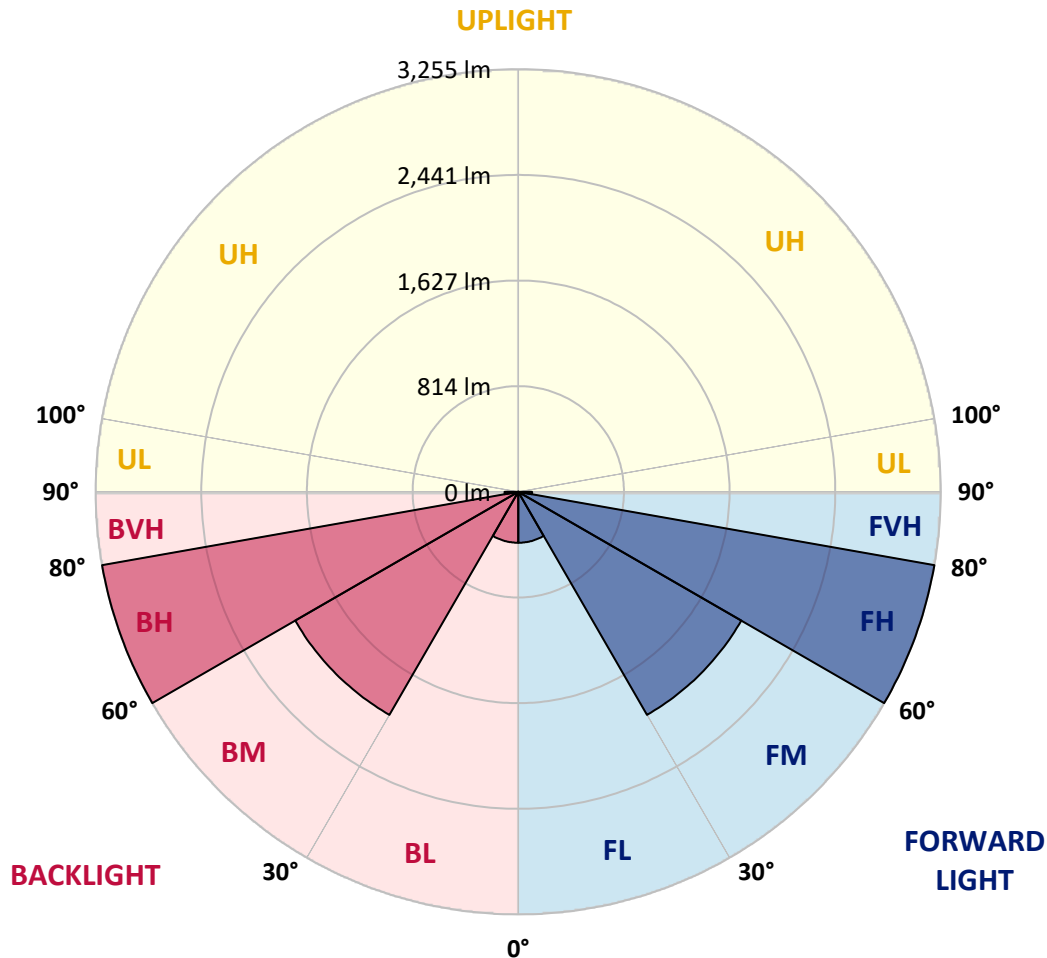
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.3	3.4			
FM (30°-60°)	1983.9	17.3			
FH (60°-80°)	3254.7	28.4			G2/5000
FVH (80°-90°)	106.0	0.9			G2/225
BL (0°-30°)	392.3	3.4	B1/500		
BM (30°-60°)	1983.9	17.3	B2/2500		
BH (60°-80°)	3254.7	28.4	B4/5000		G2/5000
BVH (80°-90°)	106.0	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3	944.3
2.5°	940.1	941.2	940.1	940.9	939.0	939.7	939.7	939.7	939.4	939.7	939.0
5°	931.7	932.6	931.0	931.7	930.6	931.7	932.2	931.7	931.0	931.4	929.9
7.5°	919.3	920.0	918.9	920.0	918.5	920.4	920.0	918.9	917.8	917.8	916.2
10°	912.5	912.8	909.7	908.6	905.2	905.9	907.1	908.3	909.4	911.7	911.2
12.5°	912.8	912.8	908.3	903.3	898.4	899.5	901.5	905.6	910.1	914.3	914.7
15°	916.5	916.2	909.4	901.5	898.0	901.5	902.6	905.2	912.5	919.6	920.0
17.5°	919.3	919.3	908.6	899.5	899.1	904.4	904.1	905.2	913.2	923.8	924.2
20°	924.2	924.2	910.5	900.6	900.6	906.3	906.8	908.6	916.5	928.4	930.2
22.5°	935.2	935.6	921.1	913.2	913.9	917.4	918.5	921.5	928.8	941.6	943.9
25°	950.7	951.5	936.7	932.2	934.8	941.2	940.5	942.8	950.7	963.3	965.5
27.5°	972.3	970.5	956.8	954.9	957.6	962.1	961.7	962.1	968.6	980.0	982.6
30°	1000.5	999.7	989.9	991.0	989.9	988.4	988.7	991.7	995.2	1004.3	1006.9
32.5°	1027.8	1028.5	1022.5	1028.1	1036.5	1042.2	1033.5	1025.2	1021.3	1026.3	1028.5
35°	1077.1	1079.0	1069.5	1065.8	1077.1	1093.8	1069.1	1055.5	1063.1	1069.5	1071.5
37.5°	1161.0	1162.2	1146.2	1131.0	1122.7	1138.6	1113.9	1115.1	1141.7	1153.8	1153.4
40°	1256.7	1257.0	1246.4	1233.1	1218.7	1222.5	1212.6	1215.7	1233.1	1244.2	1247.2
42.5°	1370.5	1369.4	1352.7	1333.7	1329.5	1333.3	1316.6	1314.3	1334.4	1354.2	1354.6
45°	1518.1	1515.5	1493.9	1473.0	1452.8	1444.6	1440.4	1451.4	1479.1	1497.3	1497.6
47.5°	1677.2	1670.0	1658.6	1641.9	1624.4	1616.0	1609.2	1614.6	1634.7	1641.9	1642.7
50°	1840.7	1842.3	1844.6	1838.1	1831.7	1829.0	1811.2	1801.0	1807.0	1793.7	1791.8
52.5°	2034.7	2037.8	2059.7	2078.4	2089.4	2095.1	2061.3	2026.0	2006.3	1980.5	1972.8
55°	2263.6	2268.5	2300.8	2352.4	2405.5	2433.7	2372.6	2306.5	2245.4	2197.1	2181.6
57.5°	2518.6	2527.4	2571.8	2670.8	2779.7	2846.2	2742.9	2623.1	2505.0	2435.5	2423.4
60°	2817.7	2826.0	2887.5	3029.5	3206.0	3305.8	3149.5	2953.2	2806.4	2740.0	2717.5
62.5°	3173.7	3174.5	3250.0	3415.9	3649.0	3787.9	3576.0	3313.8	3162.3	3082.3	3060.6
65°	3556.6	3558.6	3636.8	3815.9	4056.9	4208.0	3968.9	3695.6	3510.4	3392.3	3375.6
67.5°	3827.3	3835.3	3917.6	4133.2	4358.6	4494.9	4247.5	3938.5	3724.4	3583.7	3569.6
70°	3784.0	3815.2	3911.9	4163.6	4477.1	4671.4	4292.7	3909.7	3627.3	3461.1	3449.2
72.5°	3300.1	3359.7	3488.7	3819.0	4320.3	4587.9	4046.3	3501.7	3182.1	3040.5	3019.2
75°	2247.3	2344.1	2538.7	3015.0	3691.1	3972.3	3406.4	2791.9	2491.3	2295.4	2281.1
77.5°	1002.0	1024.1	1270.7	1819.1	2547.1	2852.7	2475.0	1826.4	1370.9	1093.5	1035.0
80°	279.4	282.7	377.3	677.5	1274.9	1676.0	1368.6	711.6	400.0	282.0	265.7
82.5°	88.8	96.4	117.7	175.7	428.5	764.8	439.9	189.8	135.1	107.8	97.2
85°	43.2	42.9	59.6	71.4	109.3	169.3	116.5	88.0	77.0	51.2	46.3
87.5°	18.3	18.6	27.7	25.1	31.9	27.3	37.5	39.5	41.4	22.7	19.7
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)