

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: P382990

Luminaire Tested: **GLEON-SA3C-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382990
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-SA3C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21131.2 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

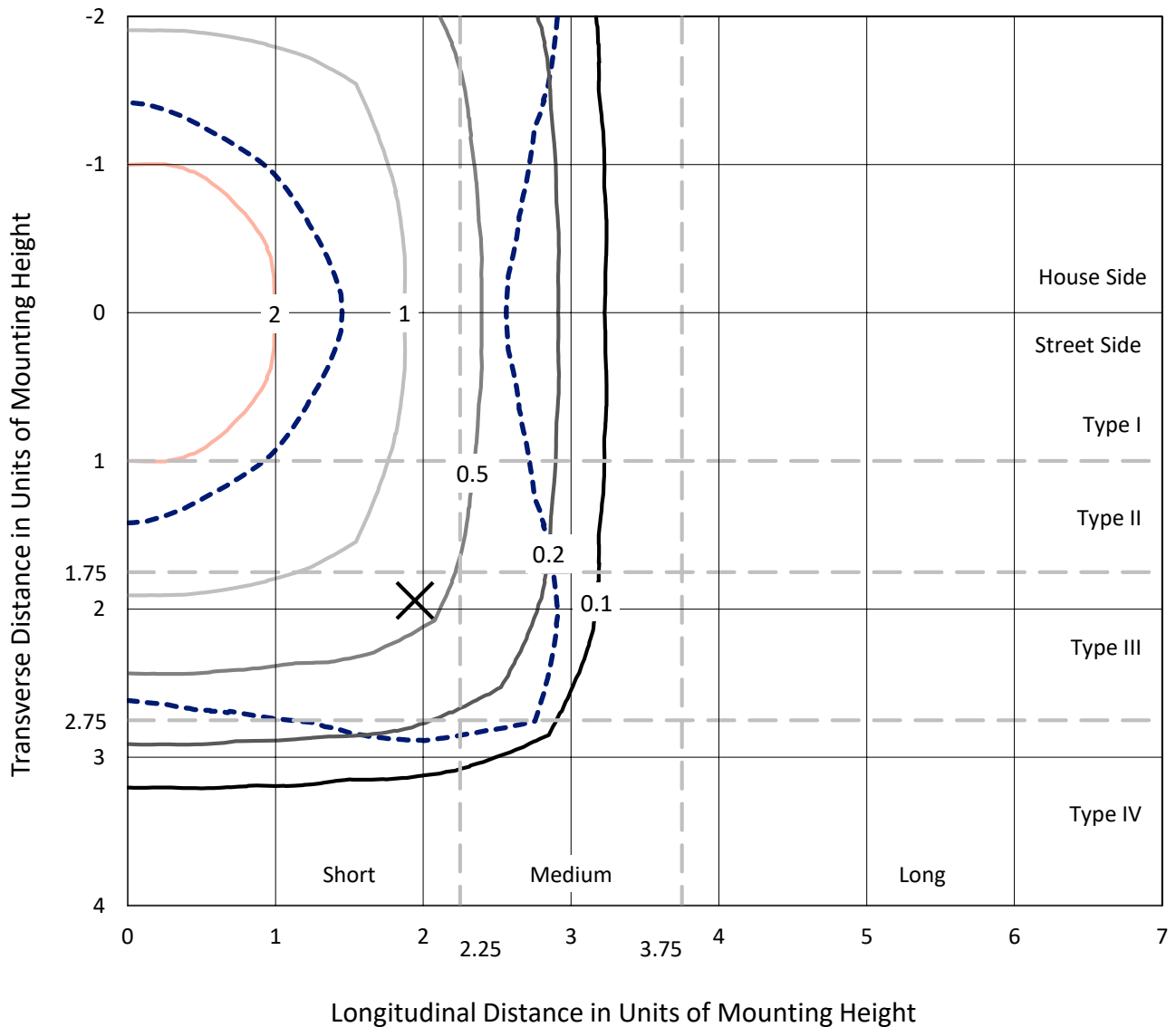
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P382990
 CATALOG NUMBER: GLEON-SA3C-735-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

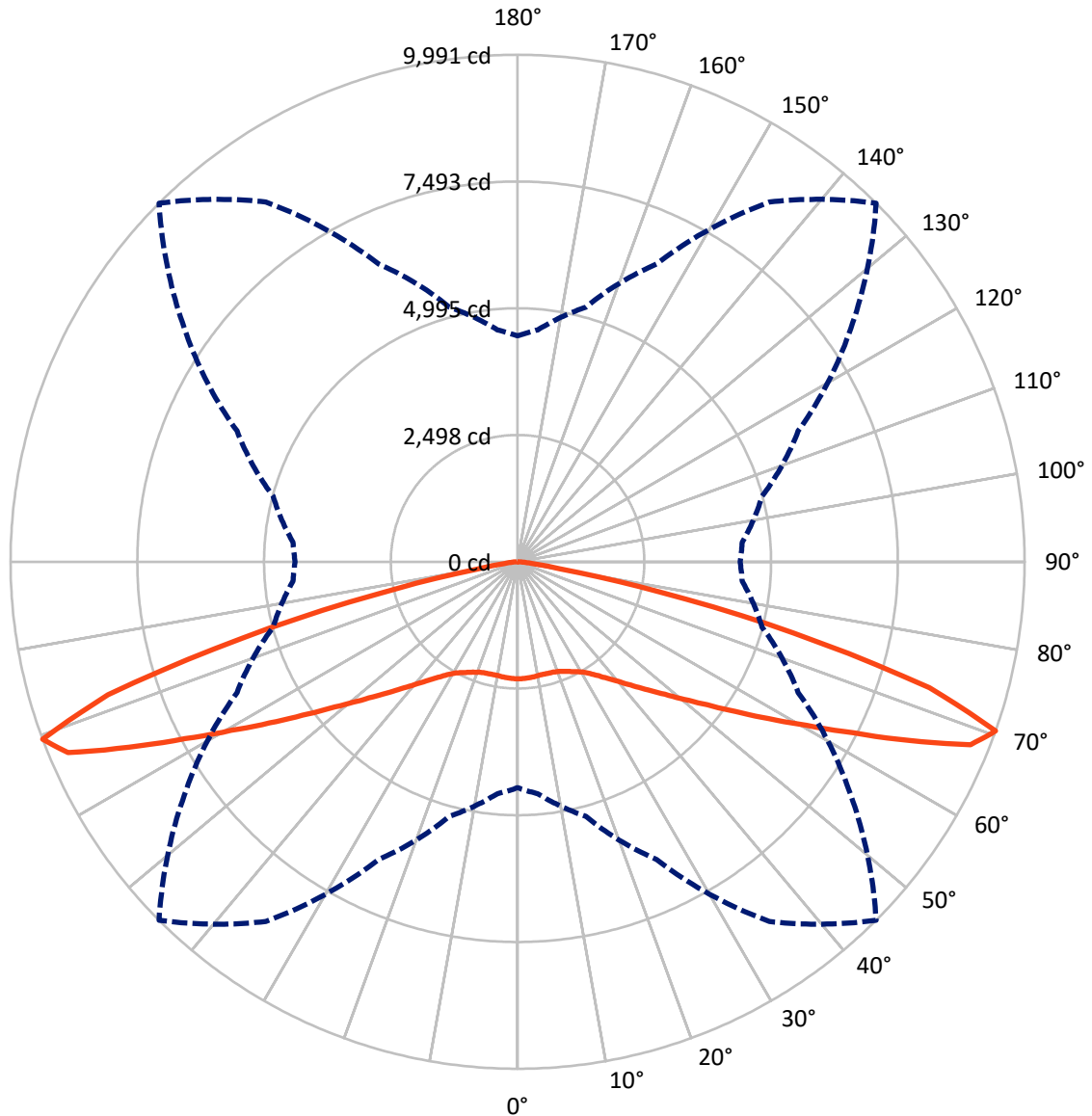
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

REPORT NUMBER: P382990
CATALOG NUMBER: GLEON-SA3C-735-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P382990
 CATALOG NUMBER: GLEON-SA3C-735-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10565.6	0.0	10565.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10565.6	0.0	10565.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	21131.2	0.0	21131.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.6	1.0
10°-20°	641.7	3.0
20°-30°	1092.4	5.2
30°-40°	1732.5	8.2
40°-50°	2819.3	13.3
50°-60°	4648.5	22.0
60°-70°	6824.1	32.3
70°-80°	3017.6	14.3
80°-90°	136.7	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°	21131.2	100.0
0°-180°	21131.2	100.0

Coefficient of Utilization



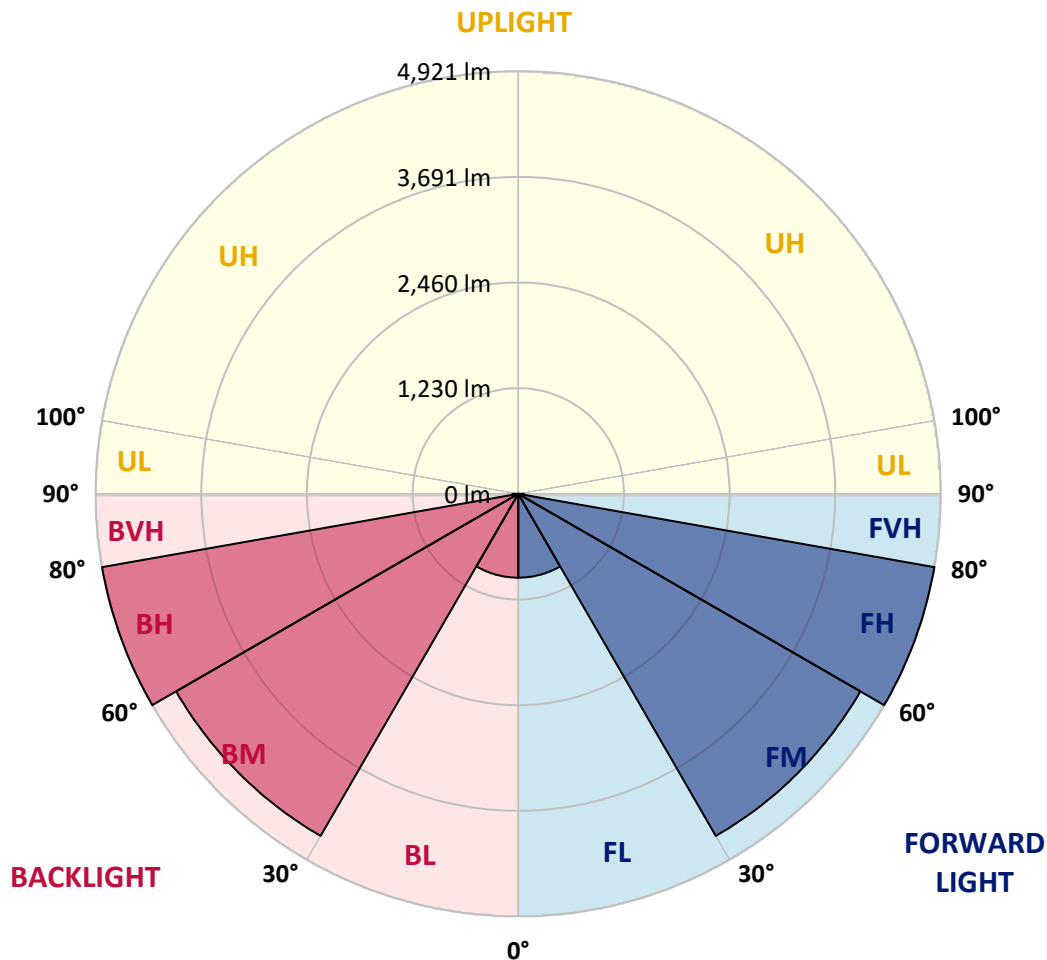
REPORT NUMBER: P382990
 CATALOG NUMBER: GLEON-SA3C-735-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	976.3	4.6			
FM (30°-60°)	4600.1	21.8			
FH (60°-80°)	4920.8	23.3			G2/5000
FVH (80°-90°)	68.3	0.3			G1/100
BL (0°-30°)	976.3	4.6	B2/1000		
BM (30°-60°)	4600.1	21.8	B3/5000		
BH (60°-80°)	4920.8	23.3	B4/5000		G2/5000
BVH (80°-90°)	68.3	0.3			G1/100
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





REPORT NUMBER: P382990
 CATALOG NUMBER: GLEON-SA3C-735-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2307.8	2307.8	2307.8	2307.8	2307.8	2307.8	2307.8	2307.8	2307.8	2307.8	2307.8
2.5°	2304.4	2302.2	2307.2	2306.4	2302.2	2303.0	2303.0	2305.0	2305.0	2303.6	2303.6
5°	2296.0	2294.6	2300.2	2300.2	2296.0	2297.4	2298.8	2300.8	2300.2	2298.8	2298.0
7.5°	2285.5	2284.8	2290.4	2290.4	2287.6	2289.0	2287.6	2288.3	2286.9	2285.5	2283.4
10°	2268.0	2269.4	2274.3	2275.7	2275.7	2276.4	2275.0	2271.5	2269.4	2267.3	2265.2
12.5°	2251.9	2251.2	2258.2	2261.7	2267.3	2273.6	2269.4	2259.6	2255.4	2251.2	2249.8
15°	2241.4	2242.1	2249.1	2255.4	2265.2	2278.5	2273.6	2258.2	2249.8	2244.9	2243.5
17.5°	2239.3	2240.7	2249.8	2261.0	2271.5	2286.2	2283.4	2268.0	2254.0	2244.9	2242.8
20°	2244.2	2244.9	2258.9	2275.0	2293.2	2307.2	2300.8	2284.1	2265.2	2251.2	2247.7
22.5°	2253.3	2256.1	2273.6	2298.8	2326.7	2345.6	2337.9	2309.2	2279.9	2262.4	2257.5
25°	2282.0	2282.7	2306.4	2340.7	2374.3	2395.9	2386.9	2346.3	2308.6	2289.0	2282.7
27.5°	2341.4	2343.5	2367.3	2407.2	2435.8	2449.8	2444.2	2411.4	2379.2	2358.2	2360.4
30°	2427.4	2430.2	2456.9	2500.9	2518.3	2521.9	2520.5	2505.1	2475.7	2447.7	2449.8
32.5°	2532.3	2533.7	2569.4	2609.3	2623.2	2626.0	2623.2	2609.3	2574.3	2536.5	2538.7
35°	2667.3	2671.5	2705.8	2744.2	2755.4	2761.0	2756.2	2738.0	2701.6	2664.5	2663.1
37.5°	2833.8	2834.5	2870.1	2910.0	2923.9	2925.4	2919.7	2907.9	2862.5	2828.8	2826.8
40°	3026.8	3029.6	3071.6	3114.3	3119.8	3113.5	3121.2	3114.3	3067.4	3028.9	3035.2
42.5°	3261.8	3268.1	3318.5	3360.4	3344.3	3340.8	3345.7	3347.8	3310.1	3263.2	3259.0
45°	3535.2	3540.8	3603.8	3637.3	3626.8	3603.8	3613.6	3630.3	3577.9	3519.9	3525.4
47.5°	3847.1	3861.1	3928.2	3959.7	3933.8	3902.3	3921.3	3946.4	3884.9	3812.8	3809.4
50°	4194.0	4211.5	4301.0	4345.1	4319.2	4261.2	4292.6	4309.4	4220.6	4127.6	4119.9
52.5°	4563.9	4581.4	4694.1	4785.0	4768.2	4678.0	4722.0	4704.5	4602.4	4477.2	4467.4
55°	4982.8	4989.8	5111.6	5258.4	5275.2	5208.7	5206.0	5177.3	5026.3	4881.5	4874.5
57.5°	5413.7	5418.5	5576.0	5749.3	5828.4	5828.4	5750.1	5689.2	5488.5	5320.6	5303.2
60°	5878.7	5896.2	6070.3	6306.0	6490.7	6545.2	6406.7	6241.0	6022.8	5817.9	5797.6
62.5°	6292.8	6313.0	6579.5	6930.5	7227.1	7425.7	7087.2	6817.3	6420.0	6091.4	6052.9
65°	6345.2	6399.7	6787.9	7423.6	8087.3	8483.8	7834.9	7169.7	6445.9	5989.2	5950.1
67.5°	5794.8	5887.1	6411.7	7401.2	8772.7	9623.7	8312.5	6968.3	5981.6	5476.7	5433.3
70°	4452.8	4587.0	5192.0	6473.9	8654.4	9990.9	8013.2	6100.4	4987.0	4443.7	4382.8
72.5°	2442.8	2498.0	3042.2	4433.1	6938.3	8490.1	6683.7	4510.8	3307.3	2691.1	2589.0
75°	774.9	794.4	1071.4	1814.1	3924.8	5623.5	4245.7	2214.1	1218.9	898.7	888.1
77.5°	344.1	346.2	387.4	529.4	1351.9	2849.1	1623.9	602.8	415.4	362.9	374.9
80°	217.5	217.5	239.9	262.2	367.9	827.3	439.2	286.7	244.8	227.3	232.1
82.5°	104.2	115.4	155.9	167.9	202.1	278.3	225.2	187.4	163.7	121.7	113.3
85°	68.6	57.4	98.7	111.2	117.5	133.6	130.8	123.8	107.0	60.8	67.8
87.5°	30.7	29.3	51.0	46.9	44.1	33.5	50.4	62.2	60.2	30.1	30.1
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)