

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: P382995

Luminaire Tested: **GLEON-SA3C-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
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-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20562.1 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

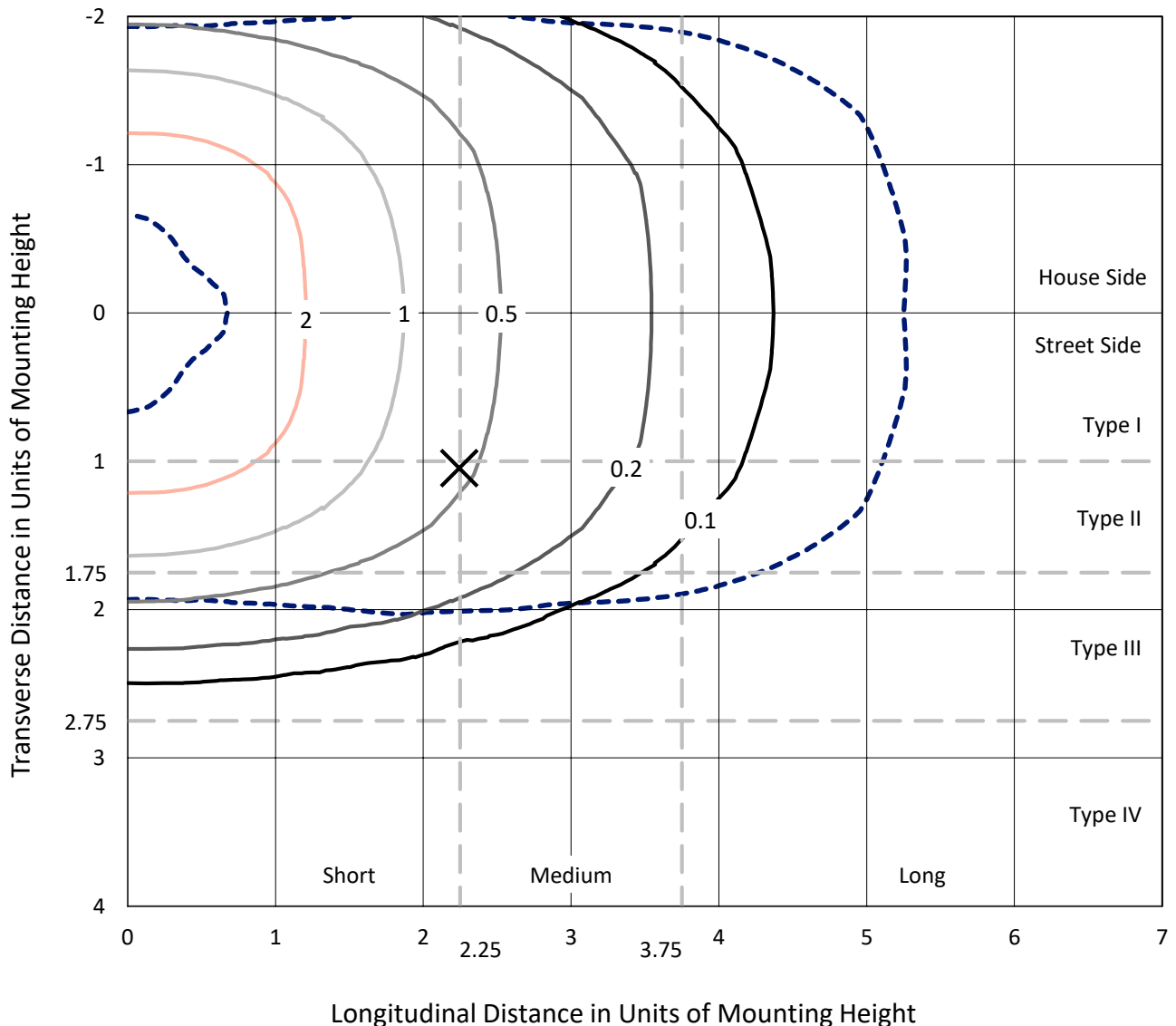
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P382995
 CATALOG NUMBER: GLEON-SA3C-735-U-RW

Iso-Footcandle Lines of Horizontal Illumination

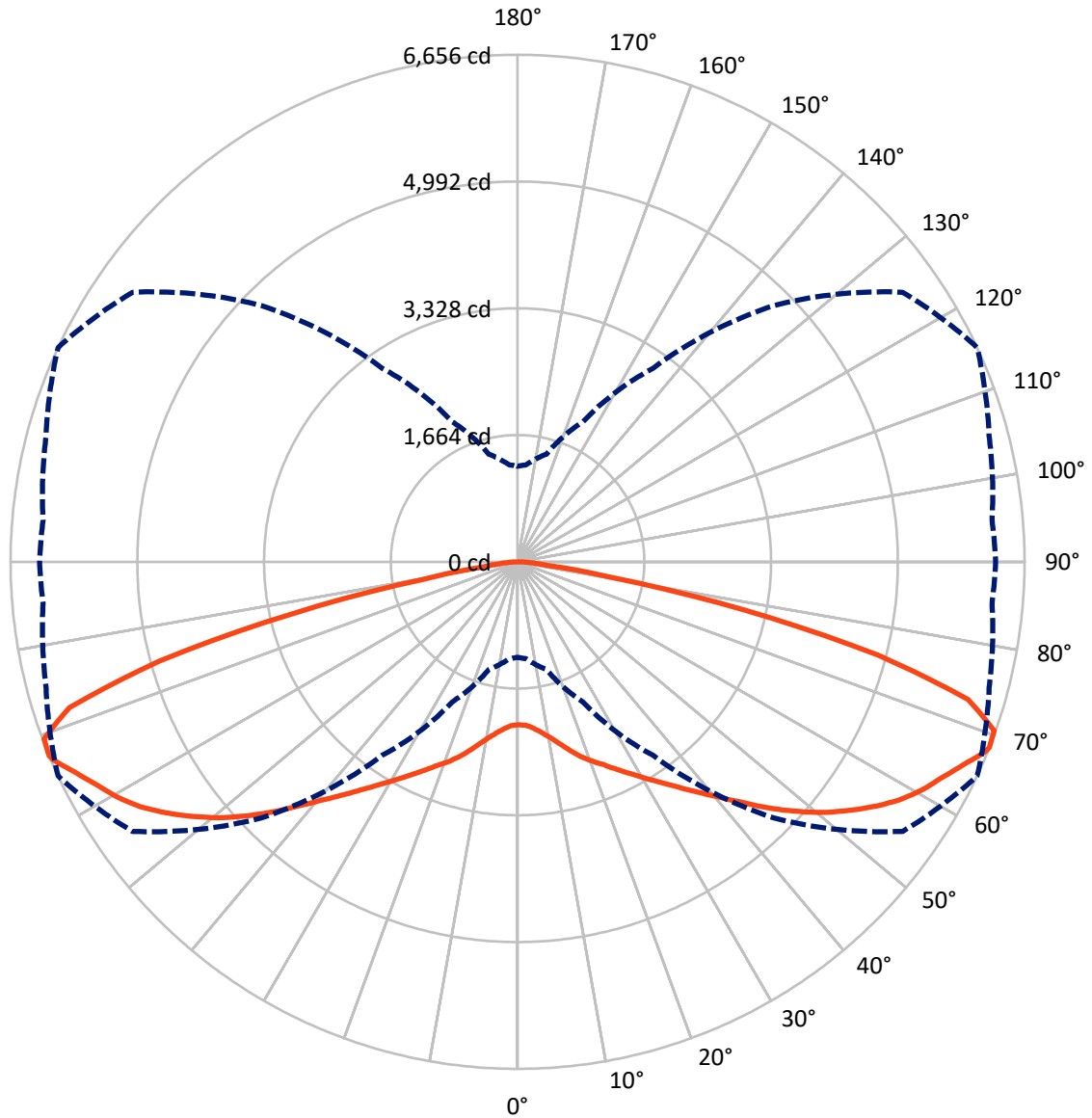
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

REPORT NUMBER: P382995
CATALOG NUMBER: GLEON-SA3C-735-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P382995
 CATALOG NUMBER: GLEON-SA3C-735-U-RW

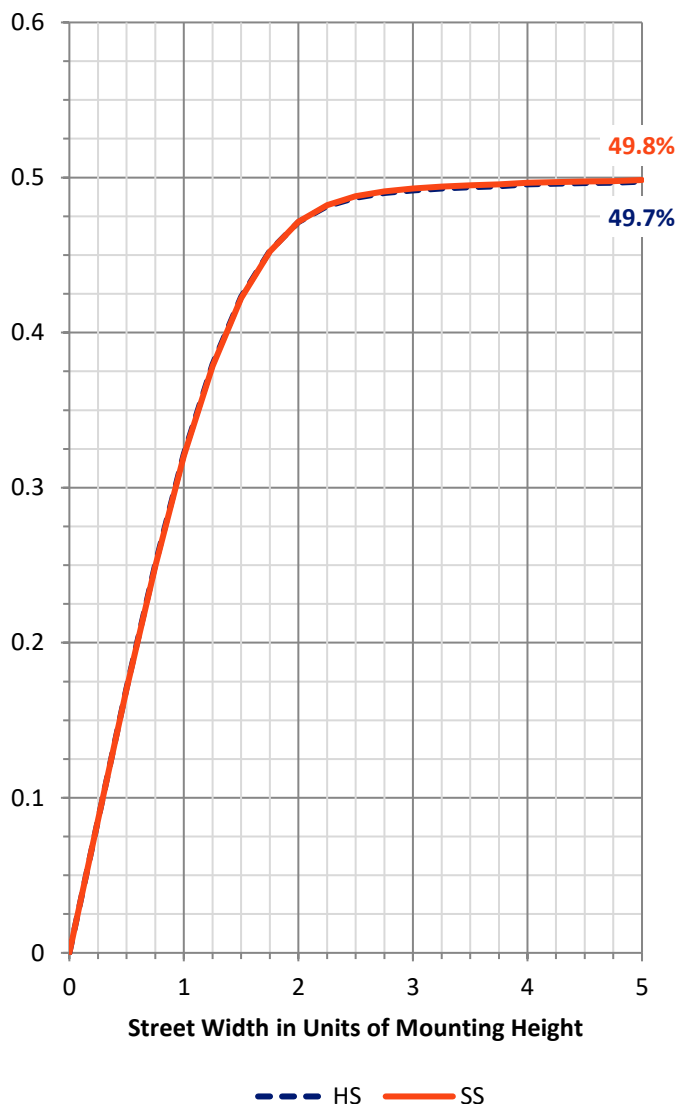
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10281.0	0.0	10281.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10281.0	0.0	10281.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20562.1	0.0	20562.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	1.0
10°-20°	700.9	3.4
20°-30°	1366.6	6.6
30°-40°	2295.7	11.2
40°-50°	3617.3	17.6
50°-60°	4837.5	23.5
60°-70°	4702.6	22.9
70°-80°	2570.7	12.5
80°-90°	261.4	1.3
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°	20562.1	100.0
0°-180°	20562.1	100.0

Coefficient of Utilization



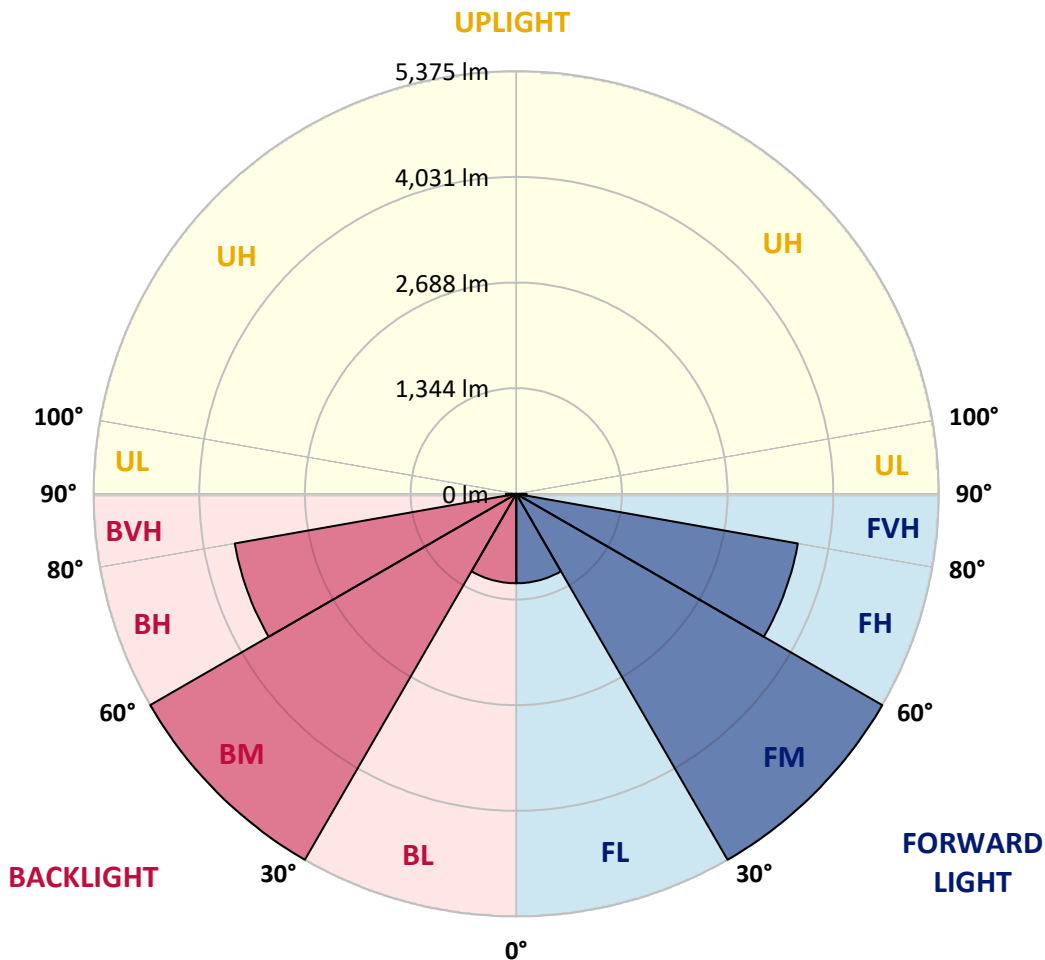
REPORT NUMBER: P382995
 CATALOG NUMBER: GLEON-SA3C-735-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1138.4	5.5			
FM (30°-60°)	5375.2	26.1			
FH (60°-80°)	3636.7	17.7			G2/5000
FVH (80°-90°)	130.7	0.6			G2/225
BL (0°-30°)	1138.4	5.5	B3/2500		
BM (30°-60°)	5375.2	26.1	B4/8500		
BH (60°-80°)	3636.7	17.7	B4/5000		G4/5000
BVH (80°-90°)	130.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





REPORT NUMBER: P382995
 CATALOG NUMBER: GLEON-SA3C-735-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2138.0	2138.0	2138.0	2138.0	2138.0	2138.0	2138.0	2138.0	2138.0	2138.0	2138.0
2.5°	2122.8	2123.5	2126.9	2131.1	2134.5	2143.5	2145.5	2149.0	2150.4	2153.8	2153.8
5°	2104.2	2105.6	2113.9	2124.9	2137.2	2159.3	2175.2	2193.1	2202.1	2211.8	2211.0
7.5°	2102.1	2105.6	2117.3	2135.2	2155.9	2192.4	2225.6	2261.4	2285.6	2307.5	2306.2
10°	2123.5	2129.1	2145.5	2172.5	2203.5	2248.9	2297.9	2346.2	2388.2	2422.0	2423.4
12.5°	2155.9	2162.8	2189.0	2229.7	2276.5	2335.1	2393.1	2447.5	2505.4	2555.8	2559.9
15°	2198.6	2207.6	2246.9	2307.5	2379.3	2448.9	2511.0	2566.8	2633.7	2703.4	2710.2
17.5°	2262.1	2274.5	2326.2	2408.2	2502.7	2579.2	2644.0	2686.1	2741.9	2813.6	2826.7
20°	2358.6	2374.4	2439.9	2537.8	2653.0	2733.0	2782.6	2791.6	2819.1	2883.2	2898.4
22.5°	2484.1	2497.9	2571.0	2687.4	2816.3	2903.3	2929.4	2893.6	2890.9	2942.6	2957.0
25°	2624.0	2636.5	2721.2	2852.2	2990.8	3086.7	3085.9	3016.4	2968.1	3008.1	3023.2
27.5°	2781.2	2800.5	2881.8	3019.8	3168.0	3262.5	3257.0	3149.4	3057.7	3068.1	3081.1
30°	2961.9	2983.2	3062.6	3202.5	3350.7	3443.1	3436.2	3294.1	3156.3	3128.7	3138.4
32.5°	3185.9	3211.4	3286.6	3424.5	3555.4	3638.9	3618.9	3451.4	3274.9	3214.9	3223.8
35°	3455.5	3470.7	3549.9	3685.8	3792.0	3849.2	3807.1	3633.4	3425.2	3352.7	3352.7
37.5°	3728.5	3740.3	3829.2	3960.8	4063.6	4094.0	4011.9	3832.7	3621.7	3518.9	3521.0
40°	3990.5	4022.2	4122.2	4257.4	4358.7	4366.9	4258.0	4060.2	3840.2	3734.0	3746.4
42.5°	4264.3	4295.3	4414.5	4567.6	4657.2	4671.0	4543.4	4315.2	4087.1	4000.8	4014.6
45°	4508.3	4533.1	4671.0	4848.9	4960.6	4996.4	4845.4	4607.5	4353.9	4269.7	4273.2
47.5°	4678.6	4711.0	4862.7	5072.3	5234.9	5290.1	5141.9	4892.3	4616.6	4514.5	4523.4
50°	4833.1	4850.3	5004.0	5232.9	5439.7	5553.5	5426.6	5173.6	4882.0	4773.7	4783.4
52.5°	4919.2	4941.2	5090.2	5328.7	5573.4	5756.9	5679.6	5426.6	5138.4	5033.0	5044.7
55°	4859.2	4875.7	5054.3	5350.1	5656.2	5882.4	5894.1	5674.1	5390.1	5297.7	5330.8
57.5°	4586.2	4606.9	4824.8	5212.2	5666.5	5967.1	6055.4	5903.7	5625.2	5550.1	5569.4
60°	4159.5	4172.5	4404.8	4840.6	5465.2	6002.3	6158.1	6091.2	5855.4	5780.3	5806.5
62.5°	3398.9	3418.3	3696.1	4280.1	5039.9	5898.2	6257.4	6246.4	6069.9	6000.9	6024.4
65°	2323.5	2357.2	2664.7	3403.1	4384.1	5579.7	6347.8	6427.0	6259.4	6172.6	6203.6
67.5°	1403.0	1427.9	1650.5	2246.9	3354.9	4937.1	6254.7	6632.4	6393.2	6253.3	6278.8
68°	1254.1	1276.9	1463.0	2027.7	3103.2	4755.8	6169.8	6655.9	6407.7	6251.9	6274.6
70°	757.7	772.9	897.6	1253.4	2069.1	3772.7	5591.4	6636.6	6500.1	6271.2	6284.3
72.5°	493.6	498.5	519.2	643.2	1056.9	2109.7	4196.6	6184.4	6638.7	6383.6	6381.5
75°	410.3	407.5	409.5	424.0	521.2	925.2	2452.4	4885.4	6328.4	6206.3	6162.9
77.5°	346.8	344.8	344.0	344.8	348.9	446.8	1064.5	3043.2	4842.7	5490.1	5528.6
80°	280.6	277.9	286.8	282.6	270.2	277.9	446.0	1265.8	2282.8	2455.8	2301.4
82.5°	204.1	193.8	232.3	221.3	211.0	195.8	246.1	408.9	544.7	373.6	262.7
85°	157.2	146.2	176.5	169.6	144.8	100.0	146.2	199.9	220.6	126.1	99.3
87.5°	64.1	67.5	127.5	100.7	84.8	48.3	60.0	80.0	107.6	53.8	41.4
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)