

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: P383188

Luminaire Tested: **GLEON-SA5B-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383188
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-SA5B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 28025.6 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

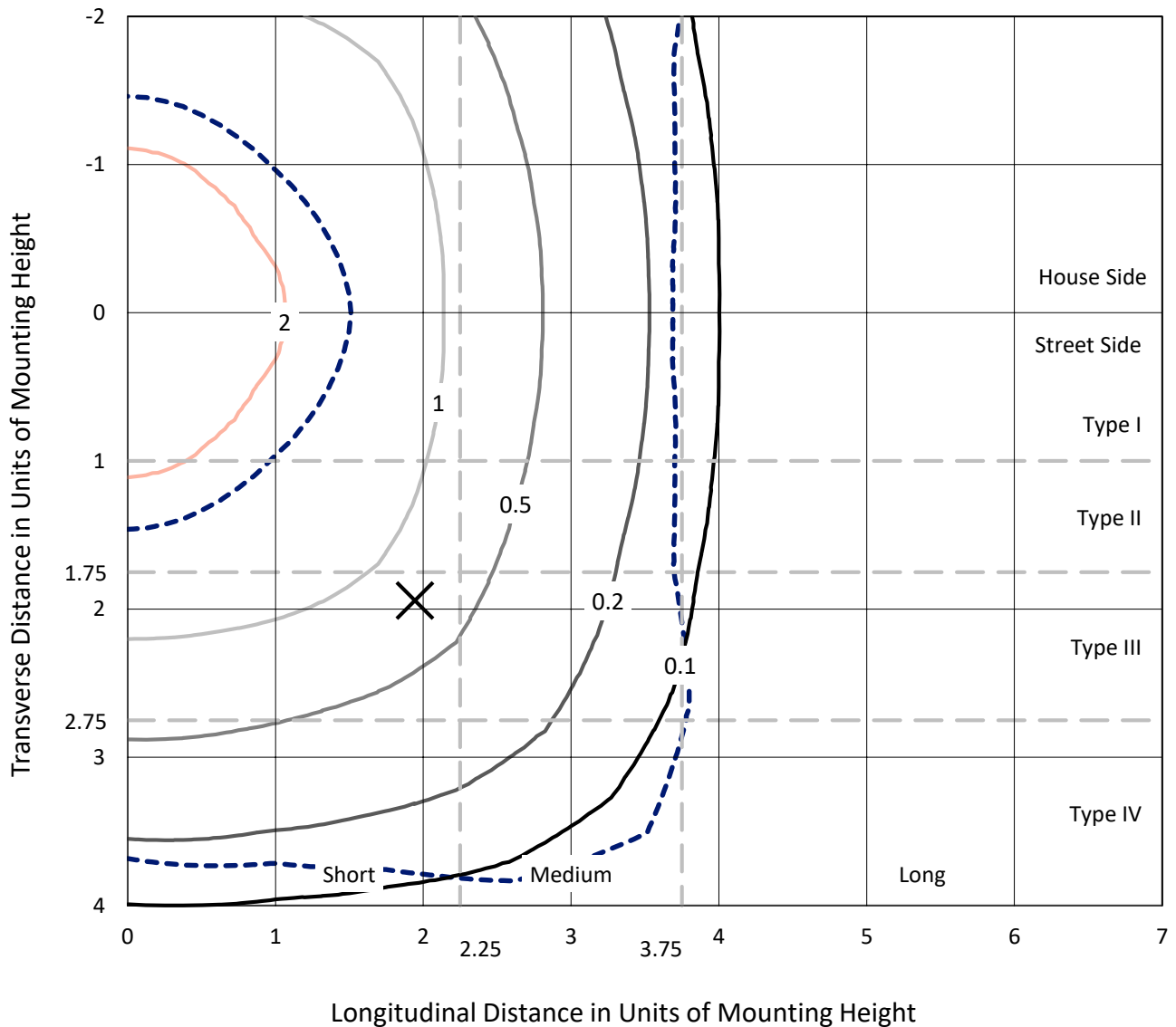
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

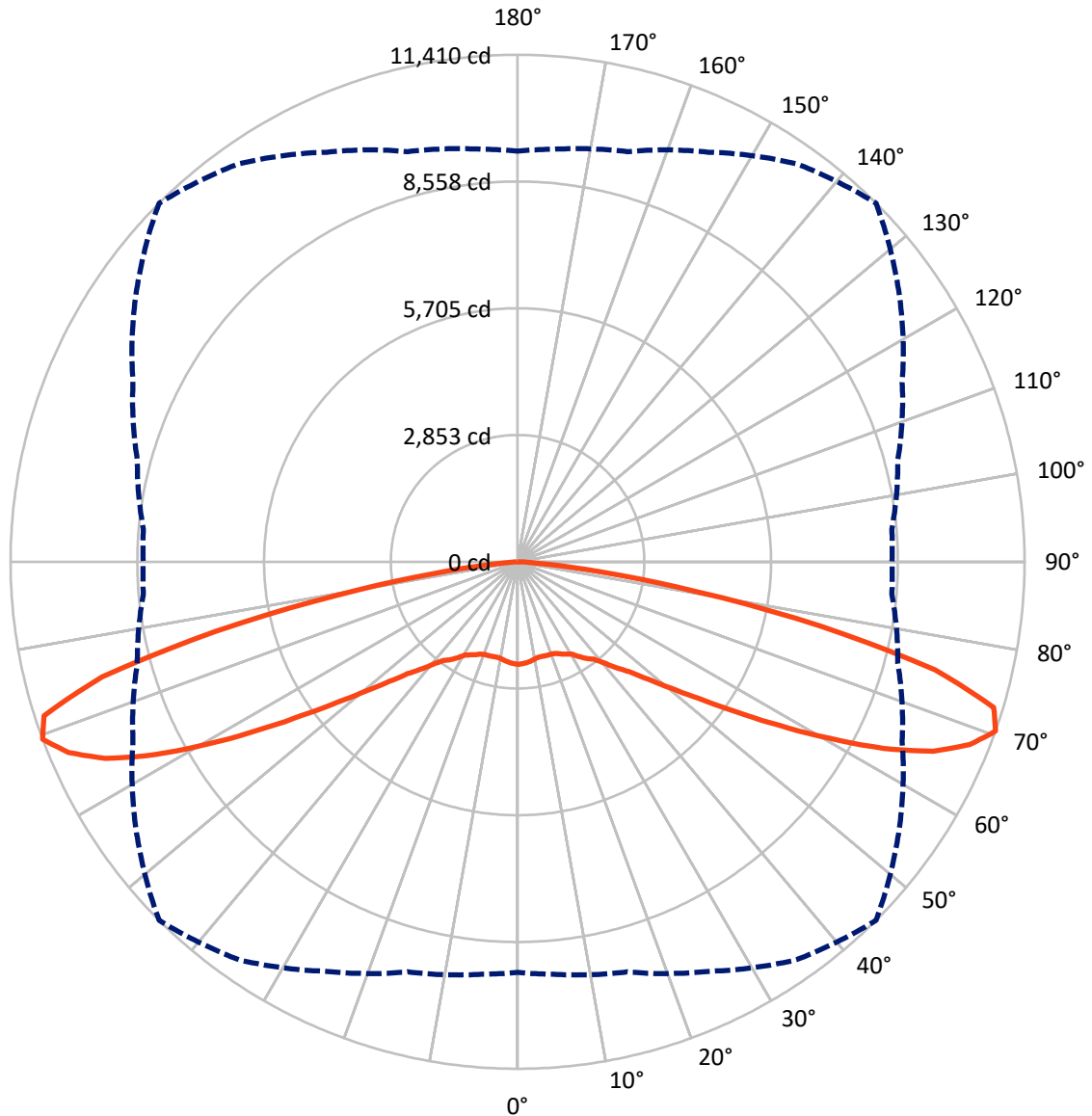
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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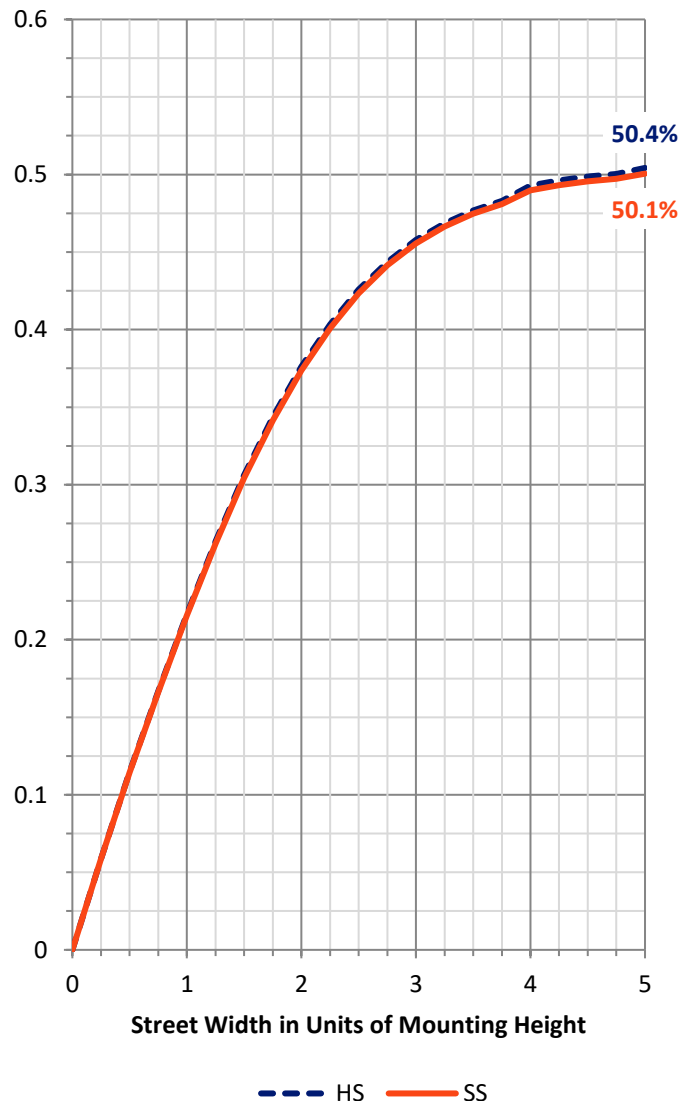
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14012.8	0.0	14012.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14012.8	0.0	14012.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	28025.6	0.0	28025.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	0.8
10°-20°	628.8	2.2
20°-30°	1072.1	3.8
30°-40°	1675.2	6.0
40°-50°	2839.1	10.1
50°-60°	5177.4	18.5
60°-70°	8913.2	31.8
70°-80°	6986.5	24.9
80°-90°	518.0	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°	28025.6	100.0
0°-180°	28025.6	100.0

Coefficient of Utilization



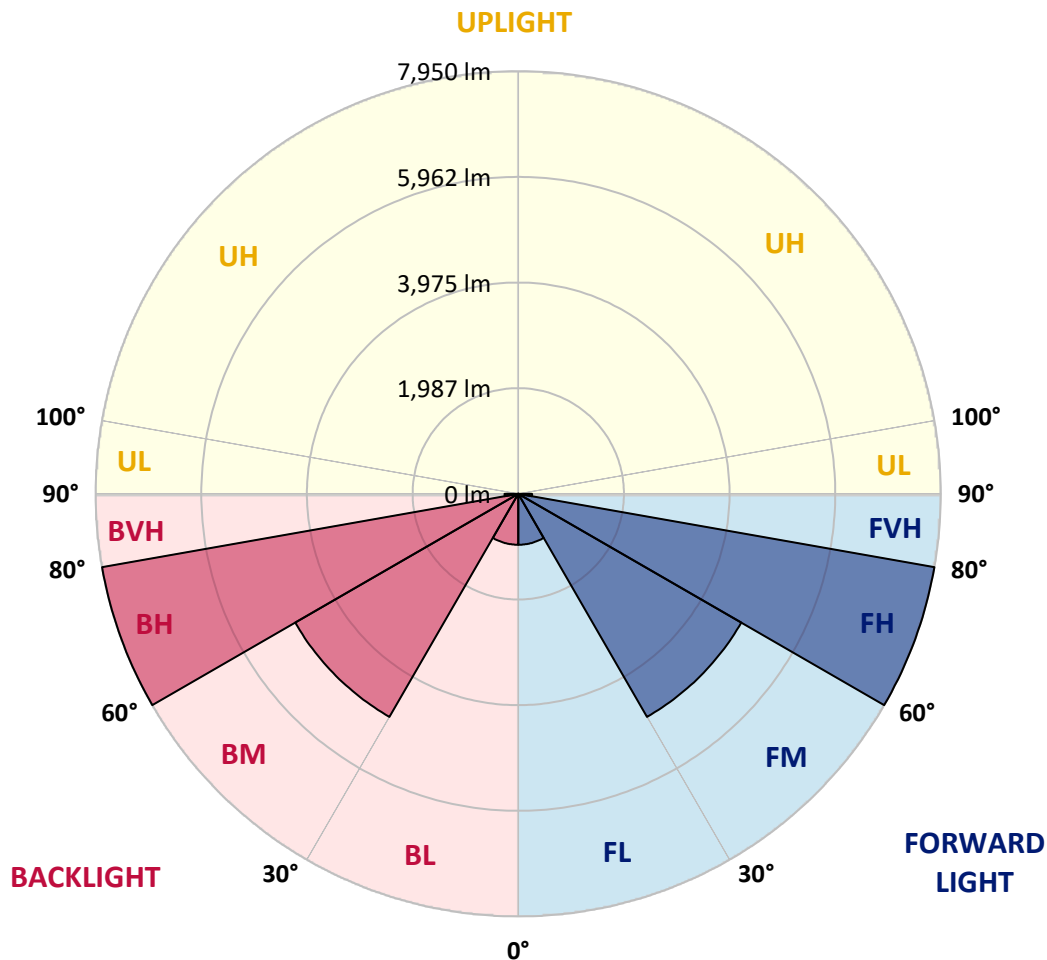
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	958.1	3.4			
FM (30°-60°)	4845.9	17.3			
FH (60°-80°)	7949.8	28.4			G4/12000
FVH (80°-90°)	259.0	0.9			G3/500
BL (0°-30°)	958.1	3.4	B2/1000		
BM (30°-60°)	4845.9	17.3	B3/5000		
BH (60°-80°)	7949.8	28.4	B5		G4/12000
BVH (80°-90°)	259.0	0.9			G3/500
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°	2306.5	2306.5	2306.5	2306.5	2306.5	2306.5	2306.5	2306.5	2306.5	2306.5	2306.5
2.5°	2296.4	2299.1	2296.4	2298.1	2293.6	2295.4	2295.4	2295.4	2294.5	2295.4	2293.6
5°	2276.0	2277.7	2274.1	2276.0	2273.2	2276.0	2276.9	2276.0	2274.1	2275.0	2271.3
7.5°	2245.3	2247.2	2244.4	2247.2	2243.4	2248.1	2247.2	2244.4	2241.6	2241.6	2237.9
10°	2228.6	2229.6	2222.1	2219.4	2211.0	2212.9	2215.7	2218.5	2221.2	2226.8	2225.8
12.5°	2229.6	2229.6	2218.5	2206.4	2194.4	2197.1	2201.7	2212.0	2223.0	2233.3	2234.2
15°	2238.9	2237.9	2221.2	2201.7	2193.4	2201.7	2204.5	2211.0	2228.6	2246.2	2247.2
17.5°	2245.3	2245.3	2219.4	2197.1	2196.2	2209.2	2208.2	2211.0	2230.5	2256.5	2257.4
20°	2257.4	2257.4	2224.0	2199.9	2199.9	2213.8	2214.8	2219.4	2238.9	2267.6	2272.2
22.5°	2284.2	2285.2	2250.0	2230.5	2232.4	2240.7	2243.4	2250.9	2268.5	2300.0	2305.6
25°	2322.3	2324.1	2288.0	2276.9	2283.3	2299.1	2297.2	2302.8	2322.3	2352.9	2358.4
27.5°	2375.1	2370.5	2337.1	2332.5	2338.9	2350.1	2349.2	2350.1	2365.9	2393.6	2400.1
30°	2443.7	2441.9	2417.7	2420.5	2417.7	2414.0	2414.9	2422.4	2430.8	2453.0	2459.5
32.5°	2510.4	2512.3	2497.5	2511.4	2531.8	2545.7	2524.4	2504.0	2494.7	2506.8	2512.3
35°	2631.0	2635.6	2612.4	2603.2	2631.0	2671.8	2611.5	2578.2	2596.7	2612.4	2617.1
37.5°	2835.8	2838.6	2799.7	2762.6	2742.2	2781.1	2720.9	2723.7	2788.6	2818.2	2817.3
40°	3069.4	3070.4	3044.5	3012.0	2976.8	2986.1	2961.9	2969.4	3012.0	3038.9	3046.3
42.5°	3347.6	3344.8	3304.0	3257.7	3247.5	3256.8	3216.0	3210.4	3259.5	3307.7	3308.7
45°	3708.2	3701.7	3648.9	3597.9	3548.7	3528.3	3518.2	3545.1	3612.7	3657.3	3658.2
47.5°	4096.7	4079.1	4051.2	4010.4	3967.8	3947.4	3930.7	3943.7	3992.8	4010.4	4012.3
50°	4496.2	4499.9	4505.5	4489.7	4473.9	4467.5	4423.9	4398.9	4413.7	4381.3	4376.6
52.5°	4969.9	4977.4	5031.1	5076.6	5103.4	5117.4	5034.8	4948.7	4900.4	4837.3	4818.8
55°	5528.9	5541.0	5619.8	5745.9	5875.6	5944.3	5795.0	5633.7	5484.5	5366.7	5328.7
57.5°	6151.9	6173.3	6281.7	6523.7	6789.8	6952.0	6699.8	6406.9	6118.6	5948.9	5919.2
60°	6882.5	6902.9	7053.0	7399.7	7830.9	8074.7	7692.7	7213.4	6854.6	6692.4	6637.7
62.5°	7752.1	7753.9	7938.4	8343.5	8912.7	9252.0	8734.7	8094.1	7724.2	7528.6	7475.8
65°	8687.4	8692.1	8883.1	9320.6	9909.2	10278.2	9694.2	9026.7	8574.3	8286.0	8245.2
67.5°	9348.5	9367.9	9569.0	10095.6	10646.3	10979.1	10374.6	9620.0	9097.2	8753.3	8718.9
70°	9242.7	9318.7	9555.2	10169.8	10935.5	11410.2	10484.9	9549.6	8859.9	8453.8	8425.1
72.5°	8060.8	8206.3	8521.5	9328.1	10552.7	11206.2	9883.3	8553.0	7772.5	7426.7	7374.7
75°	5489.1	5725.5	6201.0	7364.5	9015.6	9702.5	8320.3	6819.4	6085.1	5606.8	5571.6
77.5°	2447.5	2501.2	3103.8	4443.4	6221.4	6967.7	6045.3	4461.0	3348.5	2670.8	2528.0
80°	682.4	690.6	921.5	1654.8	3114.0	4093.9	3343.0	1738.3	977.1	688.8	648.9
82.5°	217.0	235.5	287.4	429.3	1046.7	1868.0	1074.4	463.5	330.0	263.3	237.4
85°	105.7	104.8	145.5	174.3	267.0	413.4	284.6	215.1	188.2	125.1	113.1
87.5°	44.5	45.5	67.6	61.2	77.9	66.8	91.8	96.4	101.1	55.6	48.2
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)