

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: P316280

Luminaire Tested: **GLEON-SA6B-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316280
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-SA6B-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 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: 26465 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

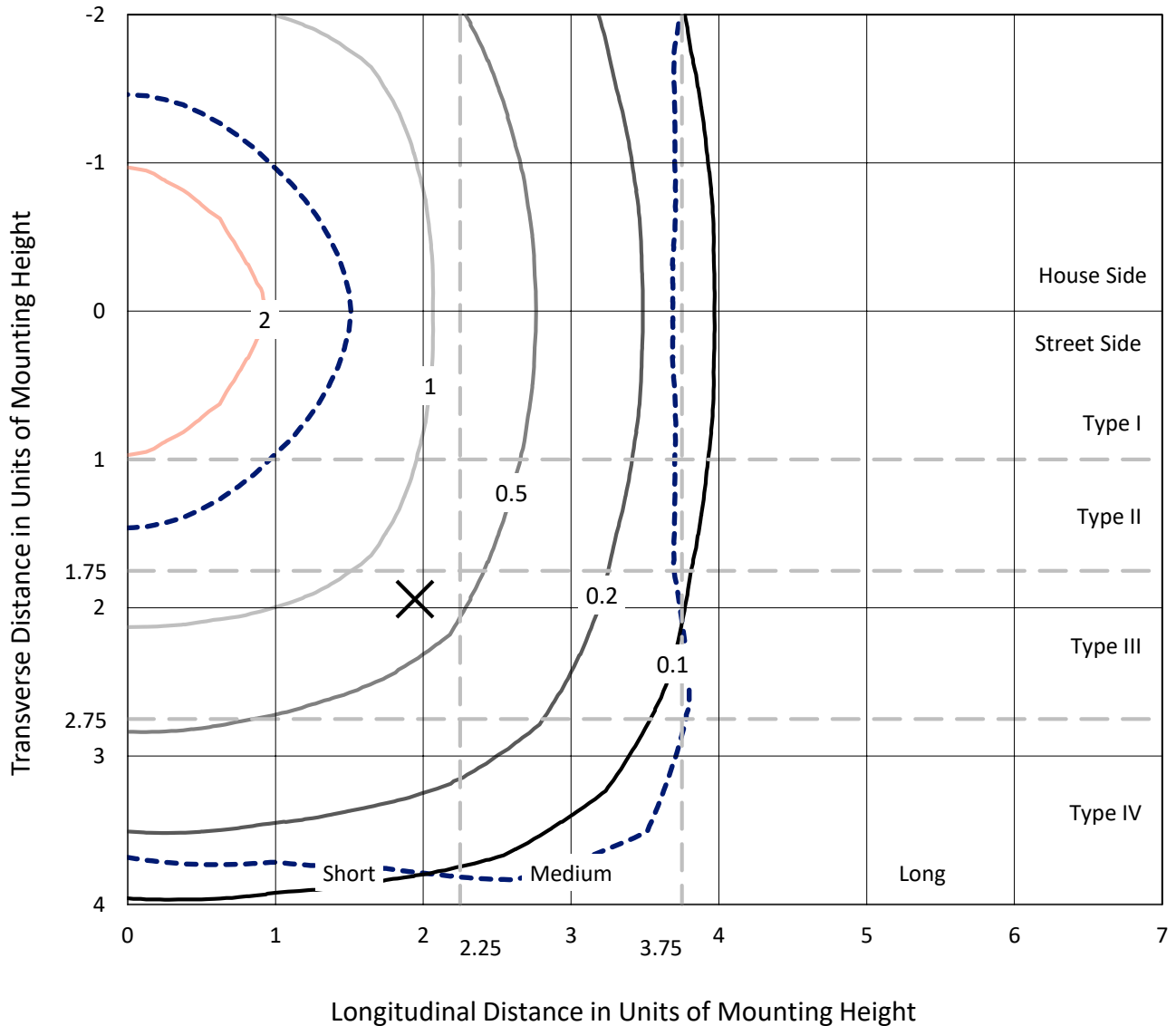
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316280
 CATALOG NUMBER: GLEON-SA6B-827-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

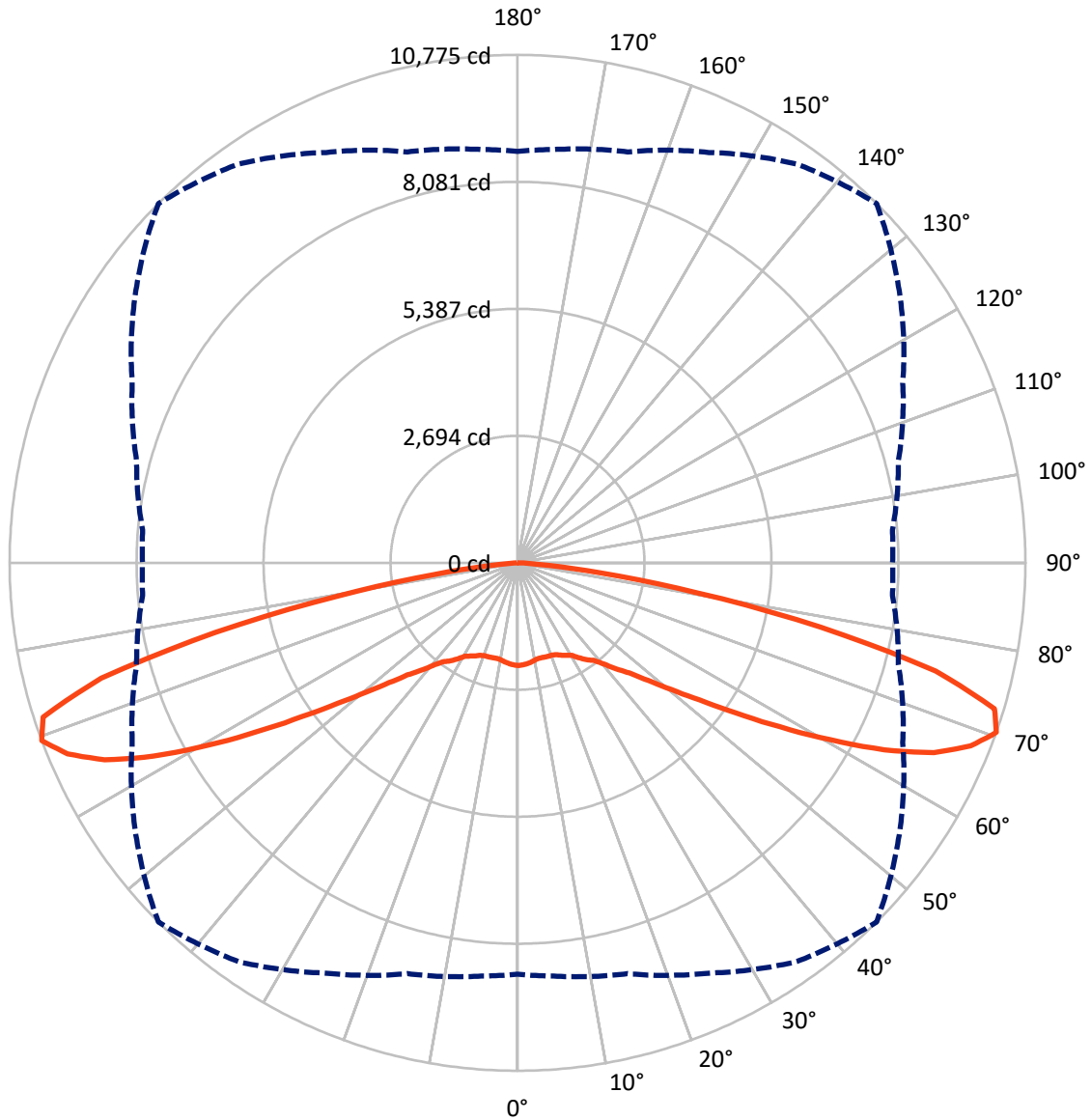
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

REPORT NUMBER: P316280
CATALOG NUMBER: GLEON-SA6B-827-U-5WQ

Luminous Intensity Polar Plot



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

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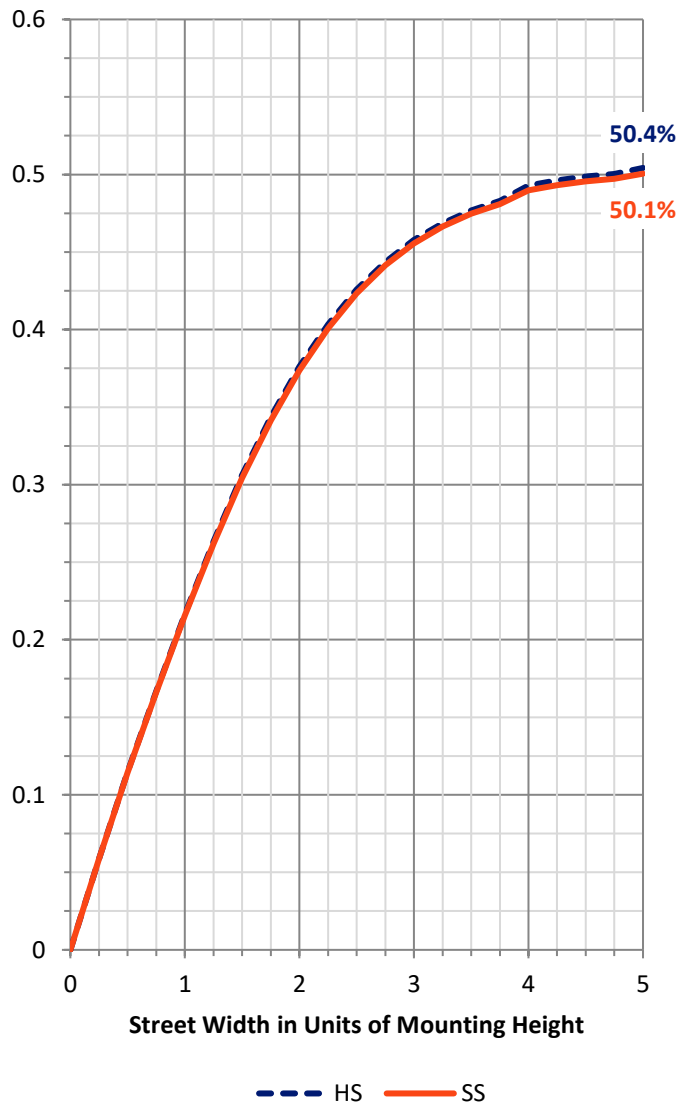
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13232.5	0.0	13232.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13232.5	0.0	13232.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26465.0	0.0	26465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.3	0.8
10°-20°	593.8	2.2
20°-30°	1012.4	3.8
30°-40°	1581.9	6.0
40°-50°	2681.0	10.1
50°-60°	4889.1	18.5
60°-70°	8416.8	31.8
70°-80°	6597.4	24.9
80°-90°	489.2	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°	26465.0	100.0
0°-180°	26465.0	100.0

Coefficient of Utilization



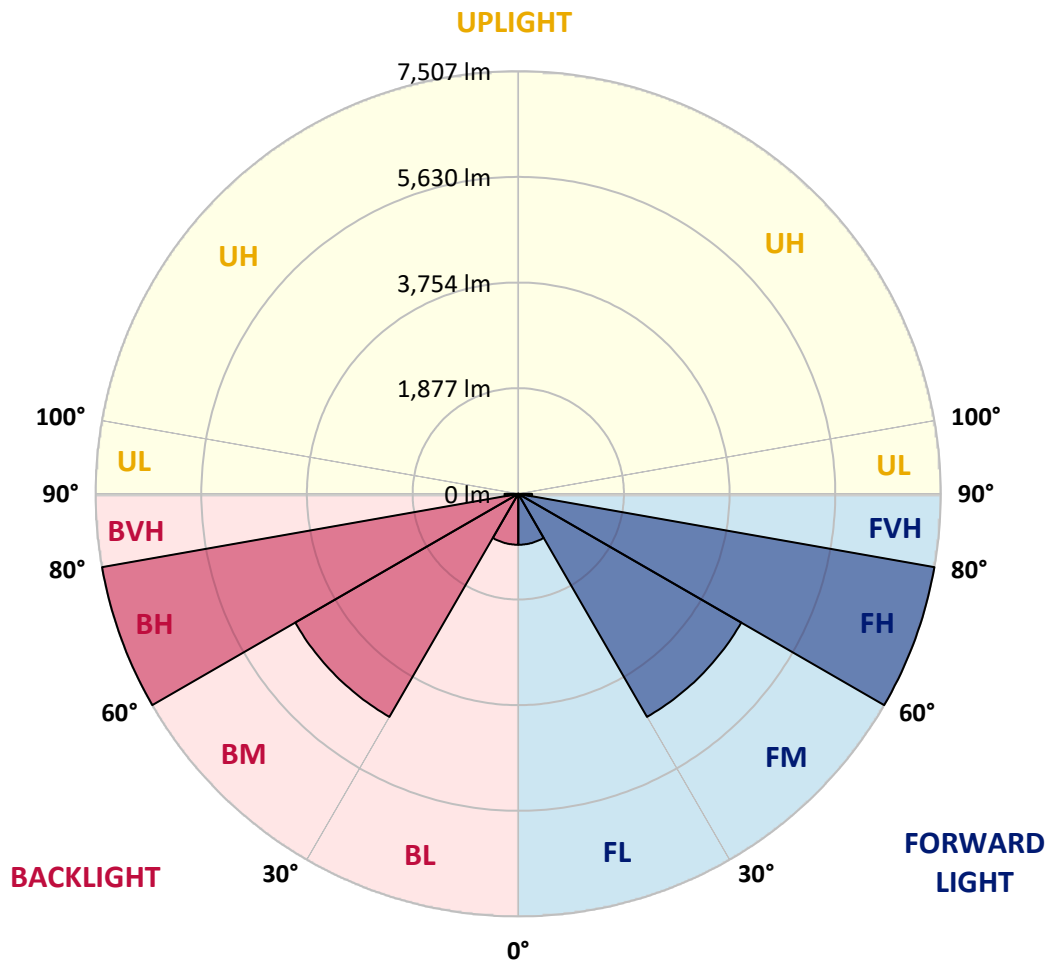
REPORT NUMBER: P316280
 CATALOG NUMBER: GLEON-SA6B-827-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	904.8	3.4			
FM (30°-60°)	4576.0	17.3			
FH (60°-80°)	7507.1	28.4			G4/12000
FVH (80°-90°)	244.6	0.9			G3/500
BL (0°-30°)	904.8	3.4	B2/1000		
BM (30°-60°)	4576.0	17.3	B3/5000		
BH (60°-80°)	7507.1	28.4	B5		G4/12000
BVH (80°-90°)	244.6	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°	2178.1	2178.1	2178.1	2178.1	2178.1	2178.1	2178.1	2178.1	2178.1	2178.1	2178.1
2.5°	2168.4	2171.1	2168.4	2170.2	2165.8	2167.6	2167.6	2167.6	2166.7	2167.6	2165.8
5°	2149.2	2150.9	2147.4	2149.2	2146.6	2149.2	2150.1	2149.2	2147.4	2148.3	2144.8
7.5°	2120.3	2122.0	2119.4	2122.0	2118.5	2122.9	2122.0	2119.4	2116.8	2116.8	2113.3
10°	2104.5	2105.4	2098.4	2095.8	2087.9	2089.7	2092.3	2094.9	2097.5	2102.8	2101.9
12.5°	2105.4	2105.4	2094.9	2083.5	2072.1	2074.8	2079.1	2088.8	2099.3	2108.9	2109.8
15°	2114.2	2113.3	2097.5	2079.1	2071.3	2079.1	2081.8	2087.9	2104.5	2121.2	2122.0
17.5°	2120.3	2120.3	2095.8	2074.8	2073.9	2086.2	2085.3	2087.9	2106.3	2130.8	2131.7
20°	2131.7	2131.7	2100.2	2077.4	2077.4	2090.5	2091.4	2095.8	2114.2	2141.3	2145.7
22.5°	2157.1	2157.9	2124.7	2106.3	2108.0	2115.9	2118.5	2125.5	2142.2	2171.9	2177.2
25°	2193.0	2194.7	2160.6	2150.1	2156.2	2171.1	2169.3	2174.6	2193.0	2221.8	2227.1
27.5°	2242.9	2238.5	2207.0	2202.6	2208.7	2219.2	2218.3	2219.2	2234.1	2260.4	2266.5
30°	2307.6	2305.9	2283.1	2285.8	2283.1	2279.6	2280.5	2287.5	2295.4	2316.4	2322.5
32.5°	2370.7	2372.4	2358.4	2371.5	2390.8	2403.9	2383.8	2364.5	2355.8	2367.2	2372.4
35°	2484.5	2488.9	2467.0	2458.2	2484.5	2523.0	2466.1	2434.6	2452.1	2467.0	2471.3
37.5°	2677.9	2680.6	2643.8	2608.8	2589.5	2626.3	2569.4	2572.0	2633.3	2661.3	2660.4
40°	2898.6	2899.4	2874.9	2844.3	2811.0	2819.8	2797.0	2804.0	2844.3	2869.7	2876.7
42.5°	3161.2	3158.6	3120.0	3076.3	3066.6	3075.4	3036.9	3031.6	3078.0	3123.5	3124.4
45°	3501.7	3495.6	3445.7	3397.5	3351.2	3331.9	3322.3	3347.6	3411.6	3453.6	3454.5
47.5°	3868.5	3851.9	3825.6	3787.1	3746.8	3727.6	3711.8	3724.1	3770.5	3787.1	3788.9
50°	4245.8	4249.3	4254.6	4239.7	4224.8	4218.7	4177.6	4153.9	4167.9	4137.3	4132.9
52.5°	4693.2	4700.2	4751.0	4793.9	4819.2	4832.4	4754.5	4673.1	4627.5	4568.0	4550.5
55°	5221.1	5232.5	5306.9	5425.9	5548.5	5613.3	5472.3	5320.0	5179.1	5067.9	5032.0
57.5°	5809.4	5829.5	5931.9	6160.4	6411.7	6564.9	6326.7	6050.1	5777.8	5617.6	5589.6
60°	6499.2	6518.5	6660.3	6987.7	7394.8	7625.0	7264.3	6811.7	6472.9	6319.7	6268.1
62.5°	7320.4	7322.1	7496.3	7878.9	8416.4	8736.8	8248.3	7643.4	7294.1	7109.4	7059.5
65°	8203.7	8208.0	8388.4	8801.6	9357.5	9705.9	9154.4	8524.1	8096.9	7824.6	7786.1
67.5°	8827.8	8846.2	9036.2	9533.4	10053.5	10367.7	9797.0	9084.4	8590.6	8265.8	8233.4
70°	8728.1	8799.8	9023.1	9603.5	10326.6	10774.8	9901.1	9017.8	8366.5	7983.1	7955.9
72.5°	7611.9	7749.3	8047.0	8808.6	9965.0	10582.2	9333.0	8076.7	7339.6	7013.1	6964.1
75°	5183.4	5406.7	5855.8	6954.4	8513.6	9162.3	7857.0	6439.7	5746.3	5294.6	5261.3
77.5°	2311.1	2361.9	2930.9	4195.9	5875.0	6579.7	5708.7	4212.6	3162.1	2522.1	2387.3
80°	644.3	652.2	870.2	1562.6	2940.6	3865.9	3156.8	1641.4	922.7	650.4	612.8
82.5°	204.9	222.4	271.4	405.3	988.4	1764.0	1014.6	437.7	311.7	248.6	224.1
85°	99.8	98.9	137.4	164.6	252.1	390.4	268.8	203.1	177.7	118.2	106.8
87.5°	42.0	42.9	63.9	57.8	73.5	63.0	86.7	91.0	95.4	52.5	45.5
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)