

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P636242

Luminaire Tested: GWS-SA3F-735-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636242  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-735-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

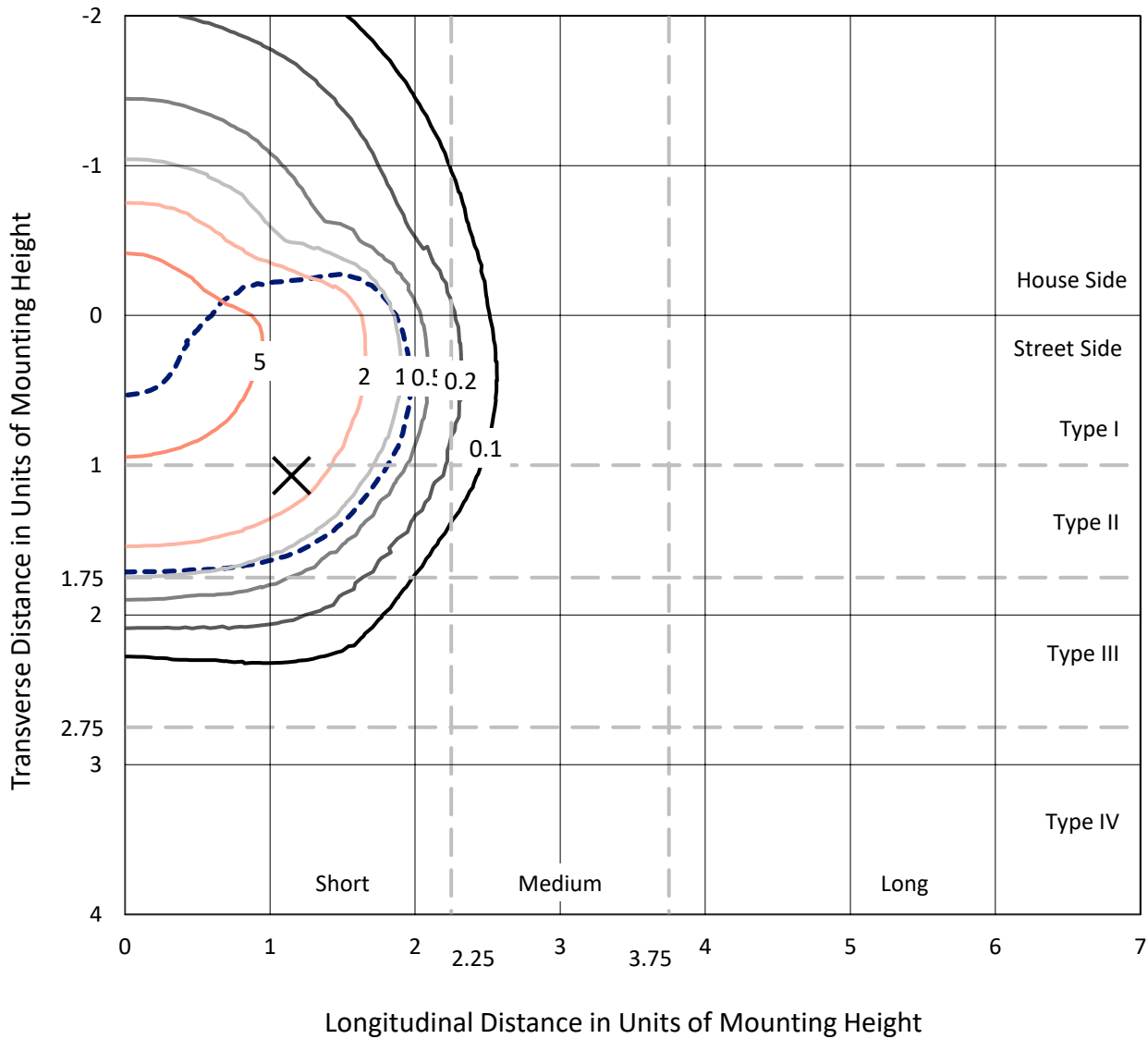
Lumens per Lamp: N/A  
Luminaire Lumens: 20582.7 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

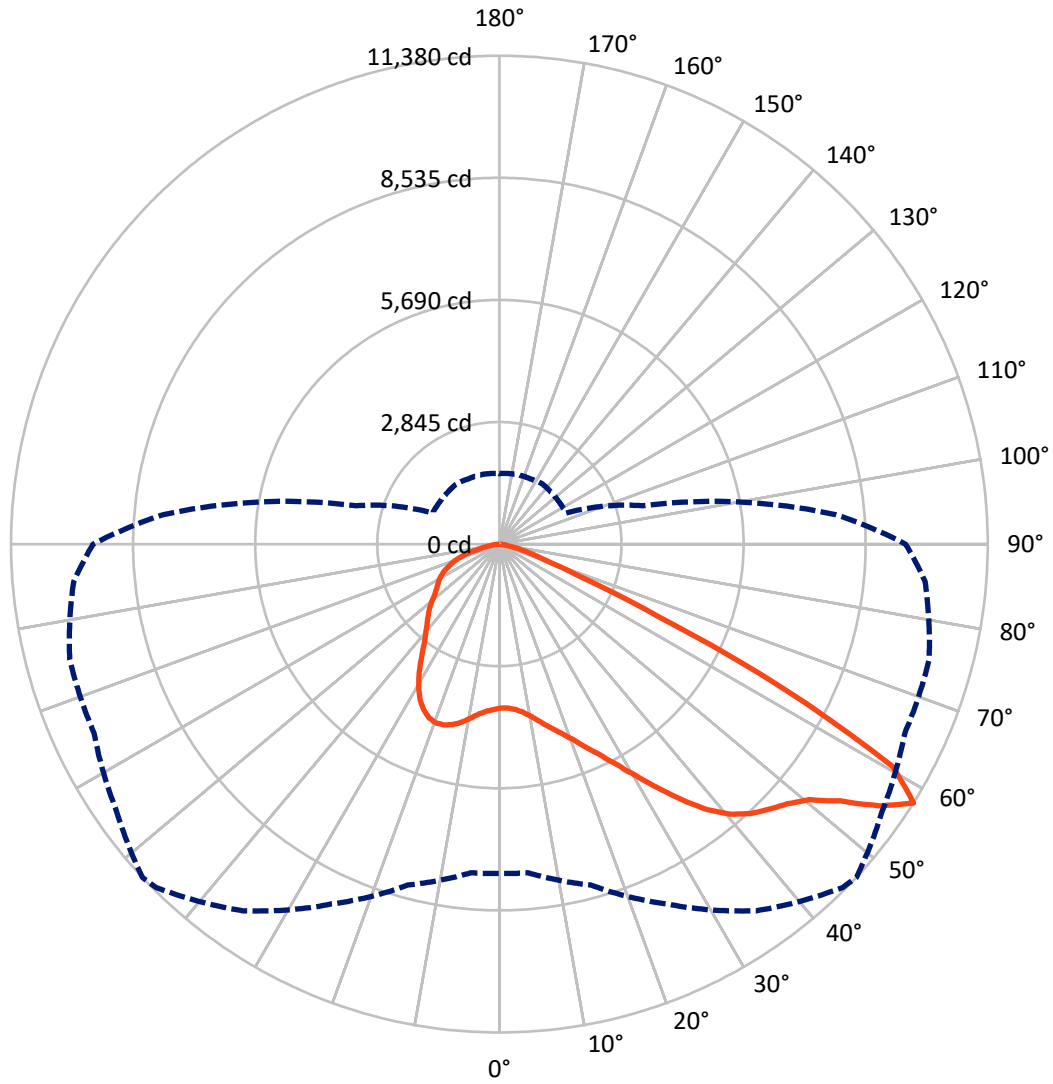
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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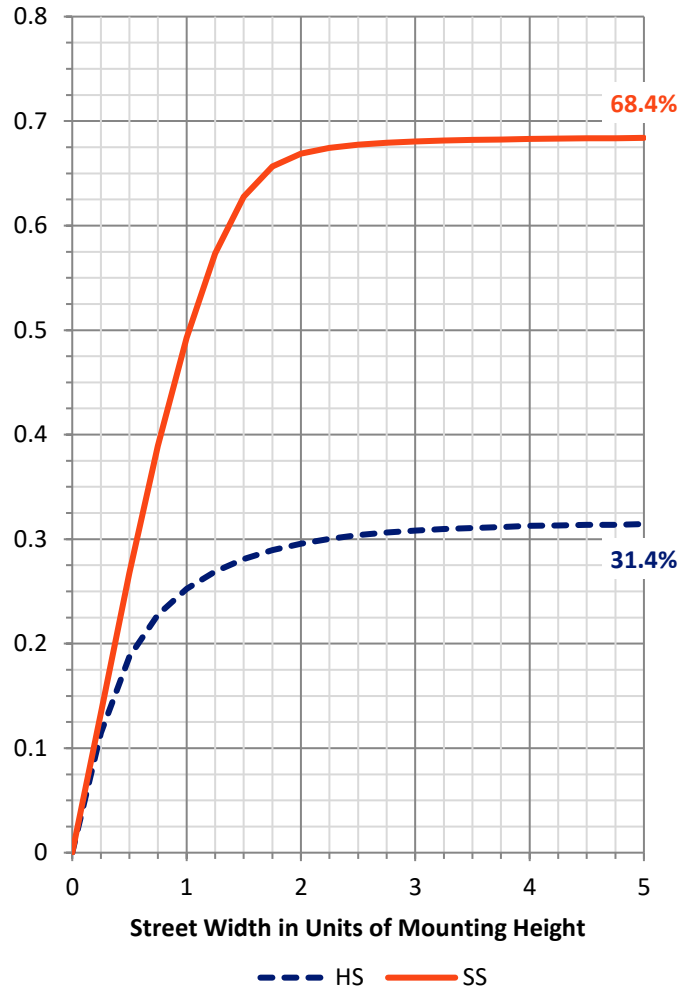
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6514.4	0.0	6514.4
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	14068.3	0.0	14068.3
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	20582.7	0.0	20582.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.5	1.8
10°-20°	1238.3	6.0
20°-30°	2229.7	10.8
30°-40°	3367.7	16.4
40°-50°	4534.9	22.0
50°-60°	5449.3	26.5
60°-70°	2653.9	12.9
70°-80°	653.8	3.2
80°-90°	78.6	0.4
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°	20582.7	100.0
0°-180°	20582.7	100.0

**Coefficient of Utilization**







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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1
2.5°	3810.2	3808.4	3808.4	3818.8	3818.8	3822.3	3827.5	3832.7	3834.4	3825.7	3806.7
5°	3851.7	3851.7	3851.7	3860.3	3860.3	3863.8	3870.7	3872.4	3870.7	3856.9	3837.8
7.5°	3917.4	3917.4	3919.1	3929.5	3938.1	3943.3	3955.4	3953.7	3948.5	3926.0	3901.8
10°	4024.5	4029.7	4034.9	4047.0	4064.3	4076.4	4085.0	4085.0	4078.1	4043.6	4012.4
12.5°	4176.7	4183.6	4188.8	4199.1	4213.0	4233.7	4252.7	4252.7	4244.1	4200.9	4154.2
15°	4354.7	4361.6	4359.9	4363.4	4389.3	4418.7	4434.3	4444.6	4448.1	4387.6	4315.0
17.5°	4558.7	4565.6	4558.7	4548.4	4551.8	4598.5	4626.1	4664.2	4686.7	4605.4	4489.6
20°	4743.7	4736.8	4736.8	4743.7	4754.1	4811.1	4852.6	4914.9	4942.5	4844.0	4664.2
22.5°	4939.1	4954.6	4947.7	4947.7	4989.2	5084.3	5134.4	5215.7	5245.0	5117.1	4875.1
25°	5191.5	5205.3	5201.8	5205.3	5253.7	5388.5	5438.7	5589.1	5618.5	5435.2	5108.5
27.5°	5468.1	5490.5	5500.9	5497.4	5575.2	5751.6	5813.8	6023.0	6076.6	5791.3	5357.4
30°	5827.6	5851.8	5860.5	5857.0	5948.6	6188.9	6259.8	6498.4	6574.5	6213.1	5673.8
32.5°	6244.3	6268.5	6294.4	6304.8	6422.3	6667.8	6769.8	7017.0	7125.9	6700.7	6055.8
35°	6657.4	6678.2	6728.3	6809.6	6970.3	7221.0	7310.9	7554.7	7660.1	7207.2	6517.4
37.5°	7113.8	7127.7	7170.9	7283.2	7514.9	7753.5	7843.4	8076.7	8088.8	7696.4	7039.5
40°	7613.4	7613.4	7604.8	7715.4	7957.5	8197.8	8275.6	8410.4	8339.5	8073.3	7547.7
42.5°	8037.0	8030.1	8037.0	8140.7	8320.5	8515.8	8583.3	8557.3	8467.4	8362.0	8007.6
45°	8419.0	8424.2	8486.5	8566.0	8659.3	8775.2	8814.9	8668.0	8586.7	8593.6	8375.8
47.5°	8678.4	8683.5	8828.8	8961.9	9018.9	9055.2	9037.9	8833.9	8792.4	8870.2	8659.3
50°	8712.9	8740.6	8991.3	9264.4	9406.2	9411.3	9362.9	9114.0	9101.9	9190.1	8811.5
52.5°	8719.8	8747.5	9060.4	9553.1	9921.3	9999.1	9943.8	9684.5	9558.3	9470.1	8998.2
55°	8693.9	8725.0	9070.8	9746.7	10452.1	10763.2	10768.4	10401.9	9999.1	9940.3	9530.6
57.5°	7675.7	7687.8	8223.7	9254.0	10431.3	11313.0	11380.4	10882.5	10422.7	10367.3	9957.6
60°	5347.0	5395.4	5978.0	7338.6	8763.1	10317.2	10535.0	10389.8	10082.1	9679.3	8543.5
62.5°	2677.8	2719.3	3303.7	4589.8	6043.7	7271.1	7504.5	7658.4	7731.0	7298.8	5817.3
65°	1153.1	1184.2	1547.2	2397.8	3421.2	4014.2	4095.4	4280.4	4733.3	4223.3	3134.2
67.5°	771.0	791.8	976.7	1462.5	2015.7	2053.8	2041.7	2081.4	2180.0	1799.6	1415.9
70°	591.2	608.5	733.0	1071.8	1448.7	1239.5	1173.8	1064.9	1156.5	1179.0	1147.9
72.5°	428.7	442.6	535.9	731.3	907.6	791.8	781.4	836.7	961.2	995.8	976.7
75°	276.6	283.5	340.6	401.1	468.5	508.3	529.0	629.3	755.5	781.4	758.9
77.5°	185.0	190.2	223.0	257.6	266.2	268.0	274.9	319.8	406.3	454.7	449.5
80°	96.8	96.8	108.9	108.9	124.5	148.7	155.6	185.0	224.7	248.9	250.7
82.5°	38.0	39.8	46.7	51.9	62.2	76.1	81.3	96.8	117.6	134.8	150.4
85°	15.6	17.3	19.0	22.5	27.7	34.6	36.3	41.5	55.3	69.2	77.8
87.5°	0.0	0.0	1.7	1.7	3.5	5.2	5.2	6.9	8.6	15.6	20.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1	3817.1
2.5°	3829.2	3806.7	3829.2	3836.1	3855.1	3862.0	3849.9	3848.2	3848.2	3830.9	3825.7
5°	3855.1	3834.4	3856.9	3867.2	3894.9	3912.2	3915.6	3929.5	3938.1	3931.2	3929.5
7.5°	3919.1	3893.2	3917.4	3932.9	3969.2	3996.9	4009.0	4040.1	4062.6	4059.1	4057.4
10°	4031.5	3996.9	4024.5	4050.5	4090.2	4123.1	4124.8	4142.1	4164.6	4157.7	4154.2
12.5°	4161.1	4128.3	4159.4	4185.3	4232.0	4245.8	4223.3	4216.4	4219.9	4211.2	4204.3
15°	4320.2	4273.5	4301.1	4330.5	4356.5	4340.9	4292.5	4273.5	4271.8	4259.7	4252.7
17.5°	4479.2	4420.4	4441.2	4456.7	4444.6	4396.2	4335.7	4302.9	4287.3	4263.1	4256.2
20°	4636.5	4562.2	4558.7	4546.6	4491.3	4403.1	4321.9	4256.2	4216.4	4183.6	4171.5
22.5°	4816.3	4712.6	4660.7	4605.4	4484.4	4340.9	4218.2	4124.8	4060.8	4019.4	4005.5
25°	5009.9	4863.0	4755.8	4645.2	4415.2	4207.8	4036.6	3908.7	3832.7	3787.7	3772.1
27.5°	5201.8	4999.6	4838.8	4650.4	4276.9	4015.9	3786.0	3613.1	3537.0	3500.7	3488.6
30°	5461.1	5181.1	4937.3	4582.9	4095.4	3749.7	3462.7	3288.1	3238.0	3212.0	3201.7
32.5°	5760.2	5411.0	5068.7	4441.2	3863.8	3438.5	3136.0	3014.9	2980.4	2930.2	2928.5
35°	6154.4	5739.5	5193.2	4232.0	3571.6	3104.8	2885.3	2798.9	2736.6	2657.1	2650.2
37.5°	6614.2	6149.2	5260.6	3965.8	3231.0	2830.0	2698.6	2601.8	2501.5	2396.1	2382.2
40°	7089.6	6628.0	5265.8	3651.1	2897.4	2648.5	2537.8	2411.6	2287.1	2169.6	2154.0
42.5°	7589.2	7074.1	5174.2	3288.1	2624.3	2491.1	2378.8	2219.7	2079.7	2000.2	1991.5
45°	8035.3	7433.6	4966.7	2906.0	2422.0	2359.8	2216.3	2045.1	1970.8	1913.7	1901.6
47.5°	8386.2	7672.2	4686.7	2563.7	2257.8	2224.9	2038.2	1950.0	1893.0	1841.1	1829.0
50°	8559.1	7725.8	4321.9	2285.4	2105.6	2065.9	1937.9	1870.5	1832.5	1791.0	1780.6
52.5°	8773.4	7786.3	4007.3	2052.0	1957.0	1903.4	1855.0	1801.4	1773.7	1747.8	1739.1
55°	9266.1	8014.5	3841.3	1865.3	1815.2	1791.0	1784.1	1739.1	1730.5	1713.2	1697.6
57.5°	9466.7	7867.6	3448.9	1713.2	1702.8	1706.3	1723.6	1682.1	1673.4	1652.7	1642.3
60°	7613.4	5946.9	2335.5	1581.8	1609.5	1631.9	1649.2	1607.7	1595.6	1592.2	1578.4
62.5°	4878.5	3658.0	1630.2	1459.1	1500.6	1528.2	1538.6	1498.8	1490.2	1517.8	1519.6
65°	2539.5	1993.3	1322.5	1327.7	1362.3	1403.7	1424.5	1410.7	1407.2	1436.6	1438.3
67.5°	1296.6	1218.8	1153.1	1172.1	1199.8	1253.3	1301.8	1362.3	1383.0	1386.5	1388.2
70°	1104.7	1070.1	1037.3	1049.4	1078.7	1108.1	1154.8	1184.2	1149.6	1141.0	1137.5
72.5°	940.4	914.5	899.0	912.8	928.3	923.2	909.3	923.2	928.3	930.1	931.8
75°	731.3	712.2	700.1	701.9	701.9	682.9	656.9	641.4	624.1	610.3	610.3
77.5°	447.7	451.2	463.3	461.6	459.8	452.9	427.0	413.2	371.7	359.6	359.6
80°	255.9	261.0	273.1	276.6	276.6	268.0	242.0	226.5	207.5	198.8	197.1
82.5°	155.6	162.5	169.4	172.9	174.6	164.2	141.8	129.7	119.3	110.6	110.6
85°	81.3	84.7	91.6	93.4	88.2	77.8	65.7	60.5	50.1	48.4	48.4
87.5°	22.5	24.2	27.7	22.5	20.7	15.6	8.6	6.9	3.5	1.7	1.7
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)