

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: P543187

Luminaire Tested: **TT-D8-830-U-5WQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543187
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2012-100-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D8-830-U-5WQ-PM
Description: TOPTIER LED SITE LUMINAIRE
3000K, 80 CRI LEDS AND WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14463 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

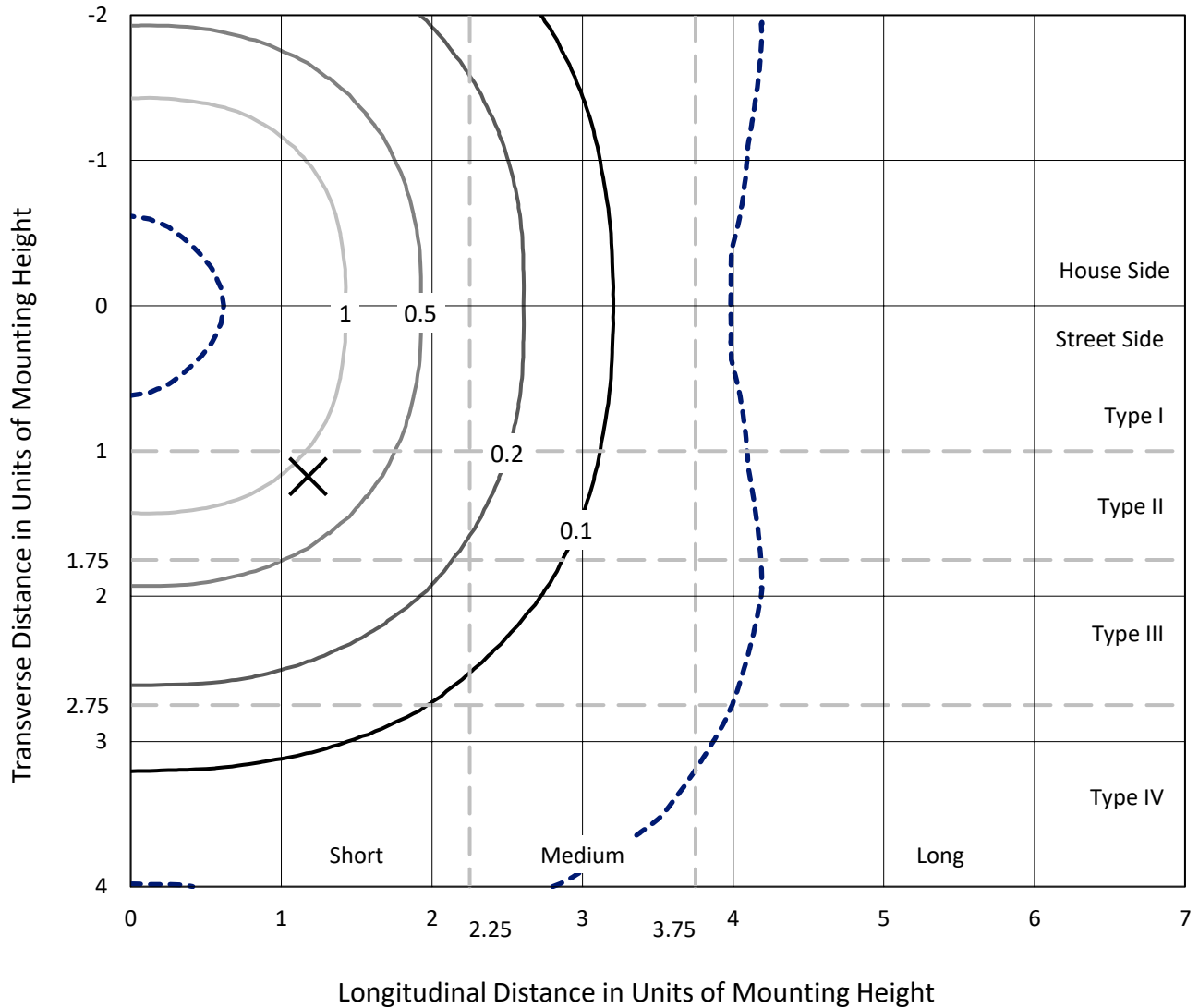
Input Watts (W): 148.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

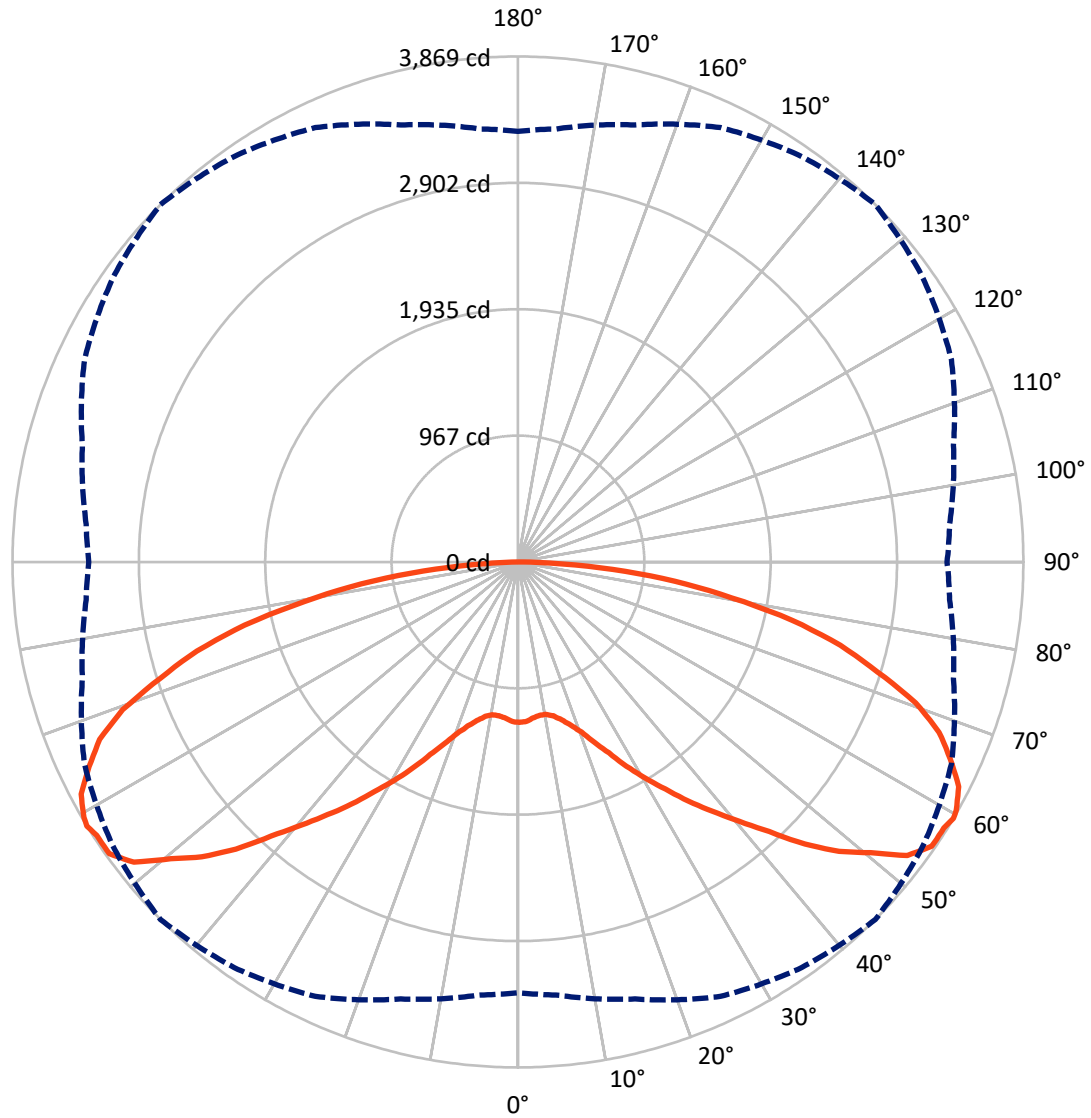
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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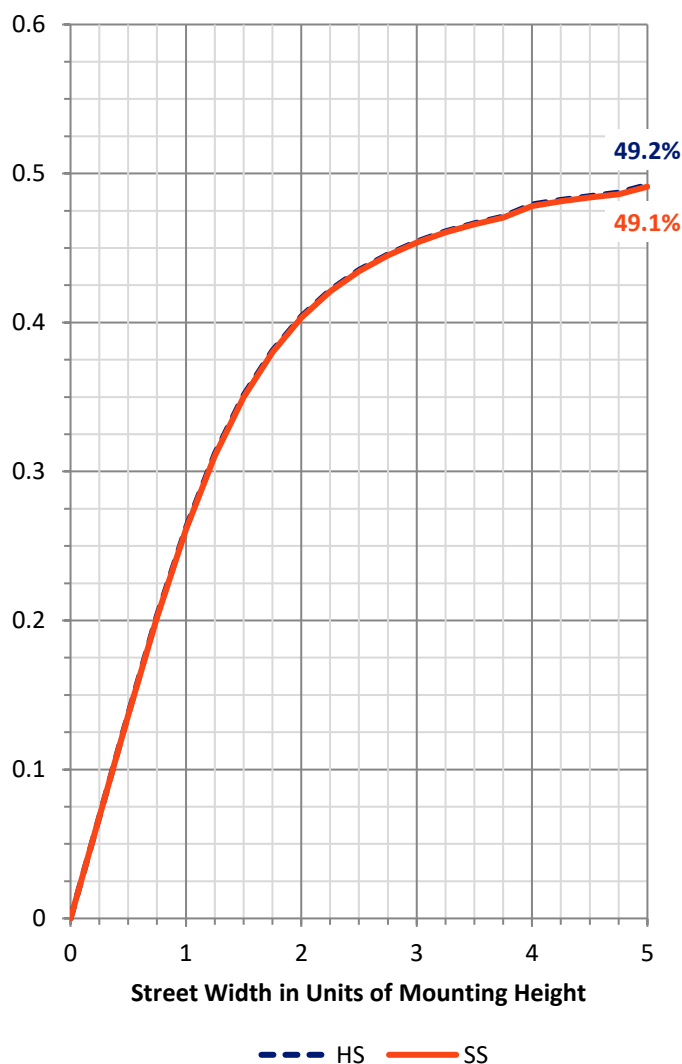
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7231.5	0.0	7231.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7231.5	0.0	7231.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14463.0	0.0	14463.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	0.8
10°-20°	359.1	2.5
20°-30°	750.5	5.2
30°-40°	1380.5	9.5
40°-50°	2271.6	15.7
50°-60°	3169.1	21.9
60°-70°	3300.4	22.8
70°-80°	2405.2	16.6
80°-90°	713.0	4.9
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°	14463.0	100.0
0°-180°	14463.0	100.0

Coefficient of Utilization



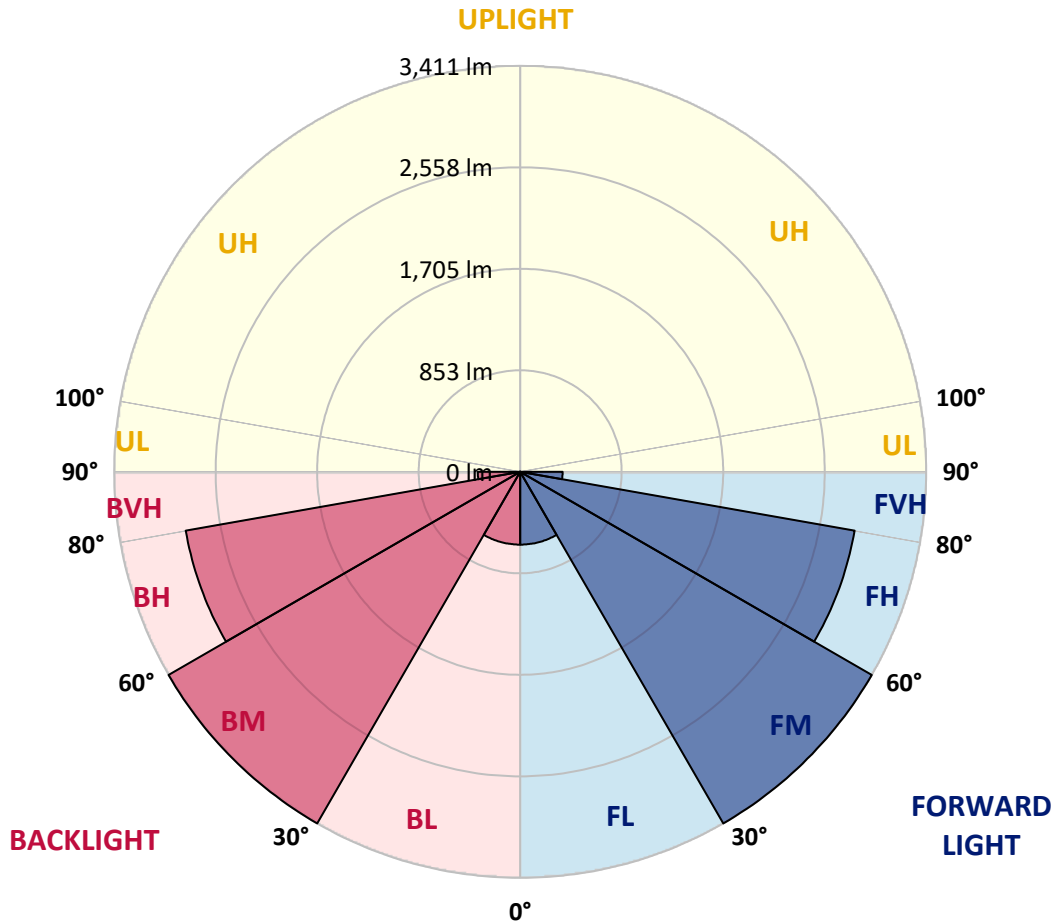
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	611.6	4.2			
FM (30°-60°)	3410.6	23.6			
FH (60°-80°)	2852.8	19.7			G2/5000
FVH (80°-90°)	356.5	2.5			G3/500
BL (0°-30°)	611.6	4.2	B2/1000		
BM (30°-60°)	3410.6	23.6	B3/5000		
BH (60°-80°)	2852.8	19.7	B4/5000		G2/5000
BVH (80°-90°)	356.5	2.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7
2.5°	1221.1	1221.8	1221.8	1222.4	1221.8	1222.4	1221.1	1220.4	1219.8	1220.4	1219.8
5°	1192.7	1194.7	1194.7	1196.7	1197.4	1199.3	1198.0	1197.4	1195.4	1194.7	1194.1
7.5°	1173.0	1173.6	1175.6	1179.6	1182.9	1185.5	1184.8	1182.2	1178.9	1176.3	1175.6
10°	1172.3	1171.6	1173.6	1176.9	1183.5	1185.5	1184.8	1180.2	1177.6	1175.6	1175.6
12.5°	1193.4	1192.7	1195.4	1200.0	1208.6	1208.6	1209.9	1202.6	1197.4	1196.0	1196.0
15°	1234.9	1233.0	1239.6	1243.5	1253.4	1253.4	1254.1	1245.5	1239.6	1237.6	1237.6
17.5°	1291.0	1289.0	1296.3	1302.9	1312.7	1313.4	1314.1	1304.8	1296.9	1293.6	1294.9
20°	1363.5	1360.9	1367.5	1376.7	1390.5	1389.9	1389.2	1380.0	1370.1	1366.2	1367.5
22.5°	1453.2	1456.5	1466.4	1478.9	1496.0	1498.7	1494.7	1482.2	1467.7	1461.8	1462.4
25°	1562.0	1565.3	1577.1	1596.9	1620.0	1619.3	1616.7	1598.2	1577.1	1568.6	1570.5
27.5°	1694.5	1696.5	1714.3	1734.7	1766.4	1769.7	1763.7	1734.7	1713.0	1695.8	1693.8
30°	1827.0	1829.7	1846.8	1876.5	1910.8	1919.3	1902.9	1875.2	1846.8	1828.4	1825.1
32.5°	1971.4	1977.4	1993.2	2022.2	2067.7	2072.3	2062.4	2022.9	1990.5	1974.1	1973.4
35°	2113.8	2122.4	2144.8	2185.1	2231.9	2248.4	2225.9	2185.1	2146.8	2115.8	2112.5
37.5°	2271.4	2282.6	2306.4	2358.5	2405.3	2421.1	2400.7	2355.2	2301.8	2274.7	2272.1
40°	2423.1	2440.9	2485.1	2539.8	2595.2	2609.0	2594.5	2533.8	2477.1	2440.2	2416.5
42.5°	2588.6	2599.8	2651.2	2734.9	2790.3	2821.3	2787.0	2731.0	2649.9	2597.1	2591.9
45°	2776.5	2811.4	2854.9	2955.2	3046.8	3081.1	3044.8	2949.2	2847.0	2804.8	2780.4
47.5°	2951.9	2978.2	3052.7	3166.8	3276.9	3309.2	3273.6	3163.5	3041.5	2971.0	2947.3
50°	3096.9	3133.8	3209.7	3359.3	3455.6	3497.1	3449.0	3351.4	3202.4	3125.3	3096.9
52.5°	3235.4	3276.9	3371.2	3519.6	3675.2	3731.9	3671.9	3508.4	3362.0	3264.4	3224.8
55°	3309.9	3348.1	3450.3	3645.5	3805.7	3843.3	3800.4	3634.9	3441.1	3335.6	3298.7
57.5°	3321.8	3353.4	3480.0	3686.4	3807.0	3844.0	3804.4	3677.1	3468.8	3342.2	3311.2
59°	3296.7	3327.0	3462.9	3668.6	3789.2	3869.0	3786.6	3660.7	3451.0	3317.1	3284.8
60°	3281.5	3310.5	3437.8	3642.9	3772.1	3854.5	3769.4	3636.3	3424.0	3302.0	3269.0
62.5°	3205.7	3232.7	3398.9	3579.6	3722.0	3786.6	3718.0	3573.0	3388.4	3224.2	3187.9
65°	3059.3	3072.5	3231.4	3410.1	3597.4	3636.3	3591.4	3408.1	3218.2	3063.3	3044.2
67.5°	2897.8	2914.9	3051.4	3247.9	3425.3	3477.4	3416.0	3247.3	3041.5	2902.4	2880.7
70°	2636.0	2653.8	2836.5	3004.6	3148.4	3228.8	3133.2	2999.3	2825.9	2648.6	2617.6
72.5°	2382.9	2391.4	2521.3	2719.1	2892.5	2876.7	2874.7	2716.5	2511.4	2394.7	2380.9
75°	2052.5	2057.1	2208.8	2373.0	2531.9	2549.0	2507.5	2369.7	2197.6	2055.2	2053.2
77.5°	1696.5	1710.3	1813.8	1966.8	2088.1	2146.2	2074.9	1974.7	1803.3	1711.6	1699.8
80°	1305.5	1322.6	1428.1	1550.1	1654.9	1659.6	1645.1	1560.7	1418.9	1324.6	1310.8
82.5°	902.0	919.8	1012.7	1103.7	1205.3	1210.5	1194.1	1113.6	1004.2	923.1	909.9
85°	498.5	514.3	577.6	647.5	729.9	729.9	706.8	660.0	571.0	519.6	507.0
87.5°	84.4	85.7	124.6	163.5	237.4	245.3	223.5	178.7	131.2	102.9	94.3
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)