

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: P543222

Luminaire Tested: **TT-D9-830-U-5WQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543222
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-D9-830-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: 16489 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

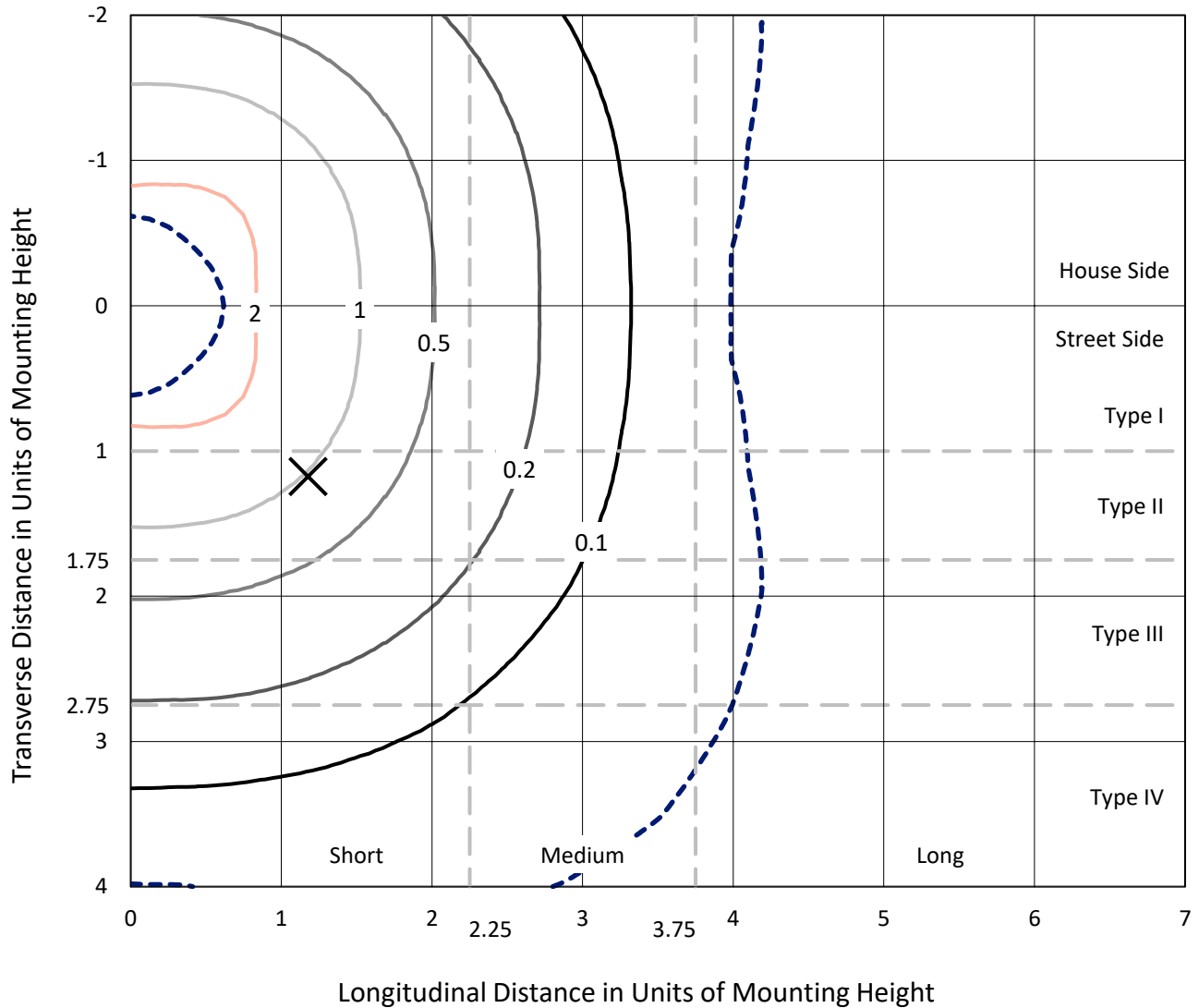
Input Watts (W): 173.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

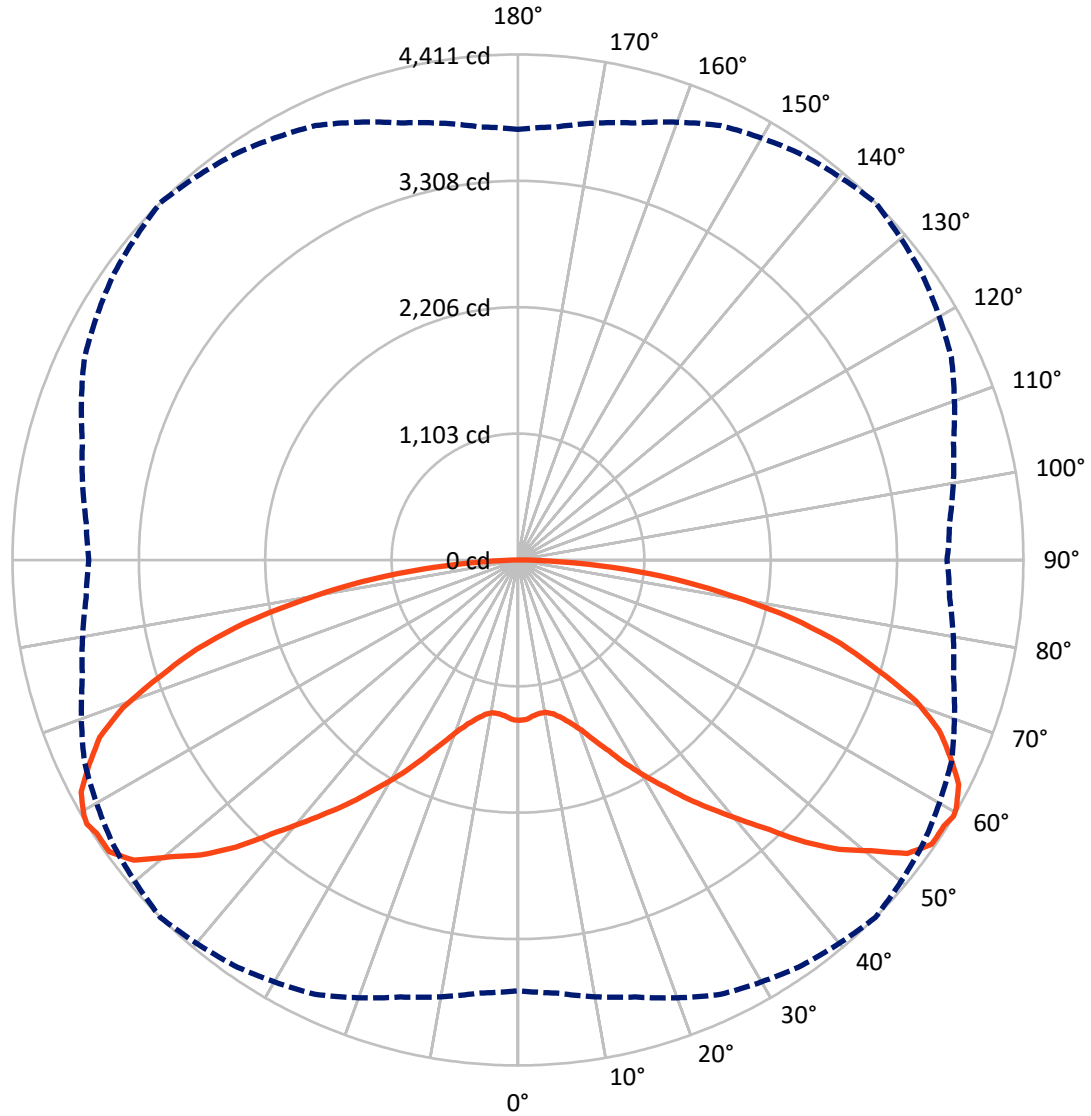
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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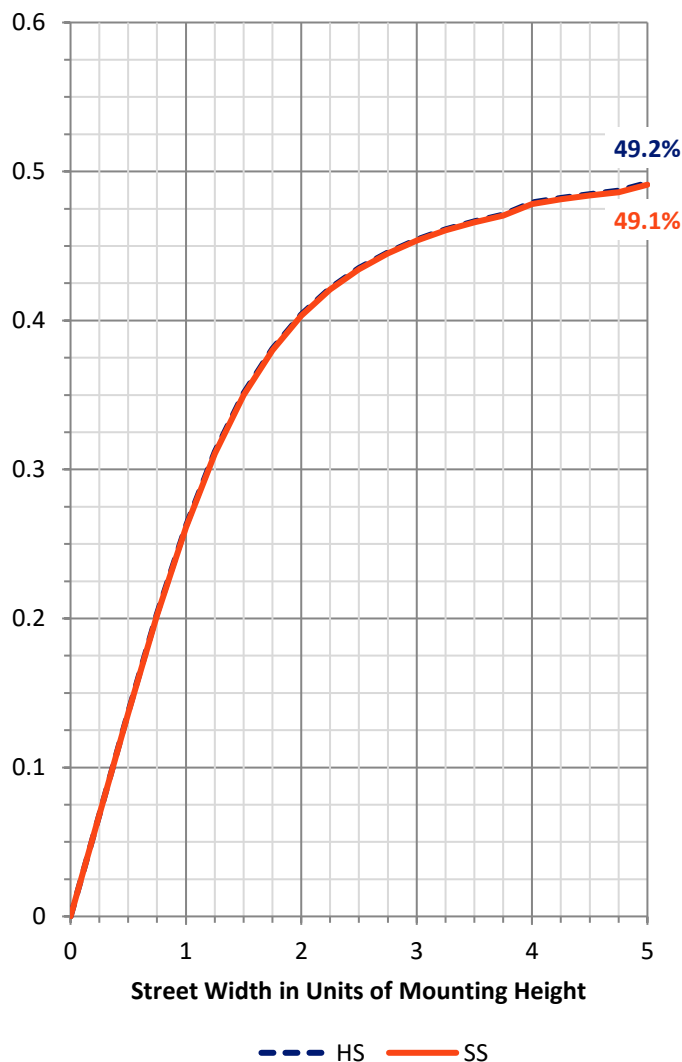
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8244.5	0.0	8244.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8244.5	0.0	8244.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16489.0	0.0	16489.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.6	0.8
10°-20°	409.4	2.5
20°-30°	855.6	5.2
30°-40°	1573.9	9.5
40°-50°	2589.8	15.7
50°-60°	3613.0	21.9
60°-70°	3762.7	22.8
70°-80°	2742.1	16.6
80°-90°	812.9	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°	16489.0	100.0
0°-180°	16489.0	100.0

Coefficient of Utilization



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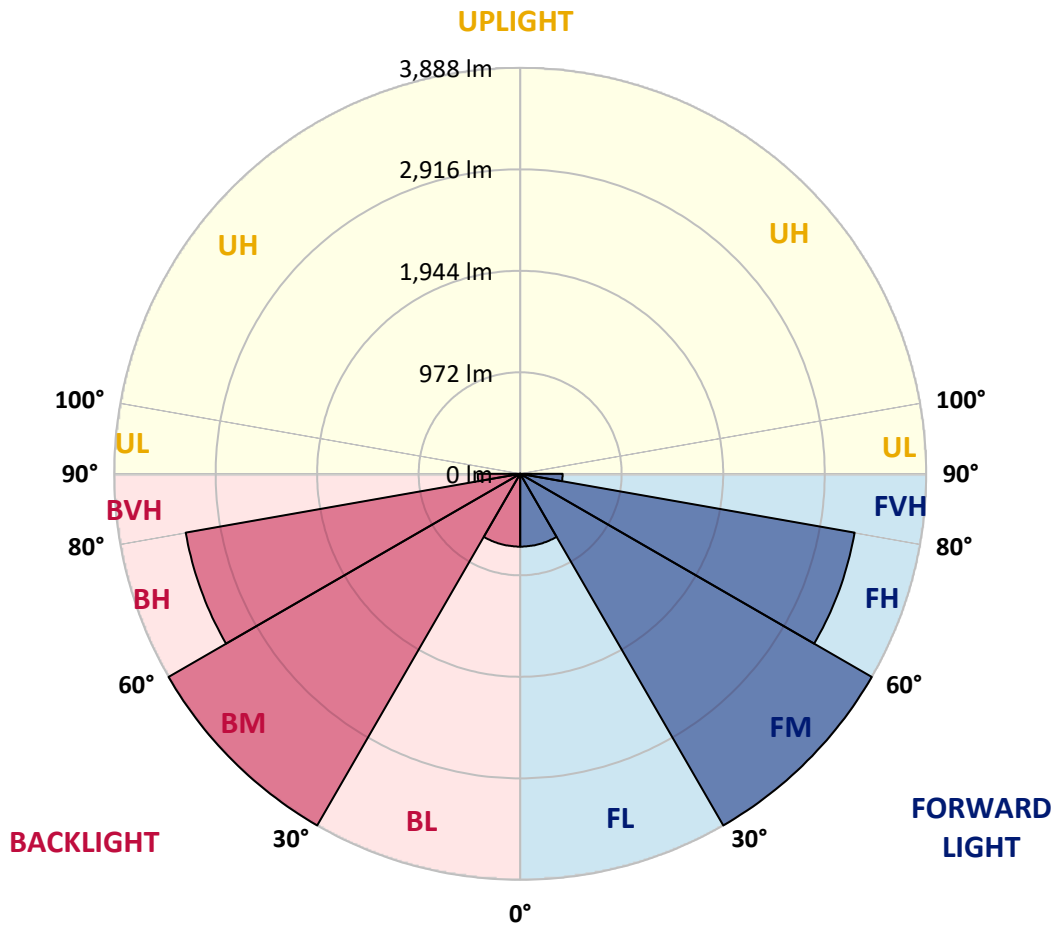
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	697.3	4.2			
FM (30°-60°)	3888.4	23.6			
FH (60°-80°)	3252.4	19.7			G2/5000
FVH (80°-90°)	406.4	2.5			G3/500
BL (0°-30°)	697.3	4.2	B2/1000		
BM (30°-60°)	3888.4	23.6	B3/5000		
BH (60°-80°)	3252.4	19.7	B4/5000		G2/5000
BVH (80°-90°)	406.4	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°	1399.7	1399.7	1399.7	1399.7	1399.7	1399.7	1399.7	1399.7	1399.7	1399.7	1399.7
2.5°	1392.2	1392.9	1392.9	1393.7	1392.9	1393.7	1392.2	1391.4	1390.6	1391.4	1390.6
5°	1359.8	1362.1	1362.1	1364.3	1365.1	1367.3	1365.8	1365.1	1362.8	1362.1	1361.3
7.5°	1337.3	1338.0	1340.3	1344.8	1348.6	1351.6	1350.8	1347.8	1344.0	1341.0	1340.3
10°	1336.5	1335.8	1338.0	1341.8	1349.3	1351.6	1350.8	1345.5	1342.5	1340.3	1340.3
12.5°	1360.6	1359.8	1362.8	1368.1	1377.9	1377.9	1379.4	1371.1	1365.1	1363.6	1363.6
15°	1407.9	1405.7	1413.2	1417.7	1429.0	1429.0	1429.7	1420.0	1413.2	1410.9	1410.9
17.5°	1471.8	1469.6	1477.8	1485.4	1496.6	1497.4	1498.1	1487.6	1478.6	1474.8	1476.3
20°	1554.5	1551.5	1559.0	1569.6	1585.3	1584.6	1583.8	1573.3	1562.0	1557.5	1559.0
22.5°	1656.8	1660.5	1671.8	1686.1	1705.6	1708.6	1704.1	1689.8	1673.3	1666.5	1667.3
25°	1780.8	1784.5	1798.1	1820.6	1846.9	1846.2	1843.2	1822.1	1798.1	1788.3	1790.6
27.5°	1931.9	1934.1	1954.4	1977.7	2013.8	2017.6	2010.8	1977.7	1952.9	1933.4	1931.1
30°	2083.0	2086.0	2105.5	2139.3	2178.4	2188.2	2169.4	2137.8	2105.5	2084.5	2080.7
32.5°	2247.6	2254.4	2272.4	2305.5	2357.3	2362.6	2351.3	2306.2	2269.4	2250.6	2249.8
35°	2410.0	2419.7	2445.3	2491.1	2544.5	2563.3	2537.7	2491.1	2447.5	2412.2	2408.5
37.5°	2589.6	2602.4	2629.5	2688.8	2742.2	2760.2	2736.9	2685.1	2624.2	2593.4	2590.4
40°	2762.5	2782.8	2833.2	2895.6	2958.7	2974.5	2957.9	2888.8	2824.1	2782.0	2755.0
42.5°	2951.2	2964.0	3022.6	3118.1	3181.2	3216.5	3177.4	3113.5	3021.1	2961.0	2954.9
45°	3165.4	3205.3	3254.9	3369.1	3473.6	3512.7	3471.4	3362.4	3245.8	3197.7	3169.9
47.5°	3365.4	3395.4	3480.4	3610.4	3736.0	3772.8	3732.2	3606.7	3467.6	3387.2	3360.1
50°	3530.7	3572.8	3659.3	3829.9	3939.7	3987.0	3932.2	3820.9	3651.0	3563.1	3530.7
52.5°	3688.6	3736.0	3843.5	4012.6	4190.0	4254.6	4186.2	3999.8	3832.9	3721.7	3676.6
55°	3773.5	3817.1	3933.7	4156.2	4338.8	4381.7	4332.8	4144.1	3923.1	3802.9	3760.8
57.5°	3787.1	3823.2	3967.5	4202.8	4340.3	4382.4	4337.3	4192.2	3954.7	3810.4	3775.0
59°	3758.5	3793.1	3947.9	4182.5	4320.0	4411.0	4317.0	4173.4	3934.4	3781.8	3745.0
60°	3741.2	3774.3	3919.4	4153.2	4300.5	4394.5	4297.5	4145.6	3903.6	3764.5	3726.9
62.5°	3654.8	3685.6	3875.0	4081.0	4243.4	4317.0	4238.8	4073.5	3863.0	3675.8	3634.5
65°	3487.9	3502.9	3684.1	3887.8	4101.3	4145.6	4094.5	3885.5	3669.1	3492.4	3470.6
67.5°	3303.7	3323.3	3478.9	3702.9	3905.1	3964.5	3894.6	3702.1	3467.6	3309.0	3284.2
70°	3005.3	3025.6	3233.8	3425.5	3589.4	3681.1	3572.1	3419.5	3221.8	3019.6	2984.3
72.5°	2716.7	2726.4	2874.5	3100.0	3297.7	3279.7	3277.4	3097.0	2863.2	2730.2	2714.4
75°	2340.0	2345.3	2518.2	2705.4	2886.5	2906.1	2858.7	2701.6	2505.4	2343.1	2340.8
77.5°	1934.1	1949.9	2067.9	2242.3	2380.6	2446.8	2365.6	2251.3	2055.9	1951.4	1937.9
80°	1488.4	1507.9	1628.2	1767.3	1886.8	1892.0	1875.5	1779.3	1617.7	1510.2	1494.4
82.5°	1028.3	1048.6	1154.6	1258.3	1374.1	1380.1	1361.3	1269.6	1144.8	1052.4	1037.3
85°	568.3	586.3	658.5	738.2	832.1	832.1	805.8	752.5	651.0	592.3	578.1
87.5°	96.2	97.7	142.1	186.4	270.6	279.6	254.8	203.7	149.6	117.3	107.5
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)