

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: P543107

Luminaire Tested: **TT-D10-830-U-5WQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543107
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-D10-830-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: 18065 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

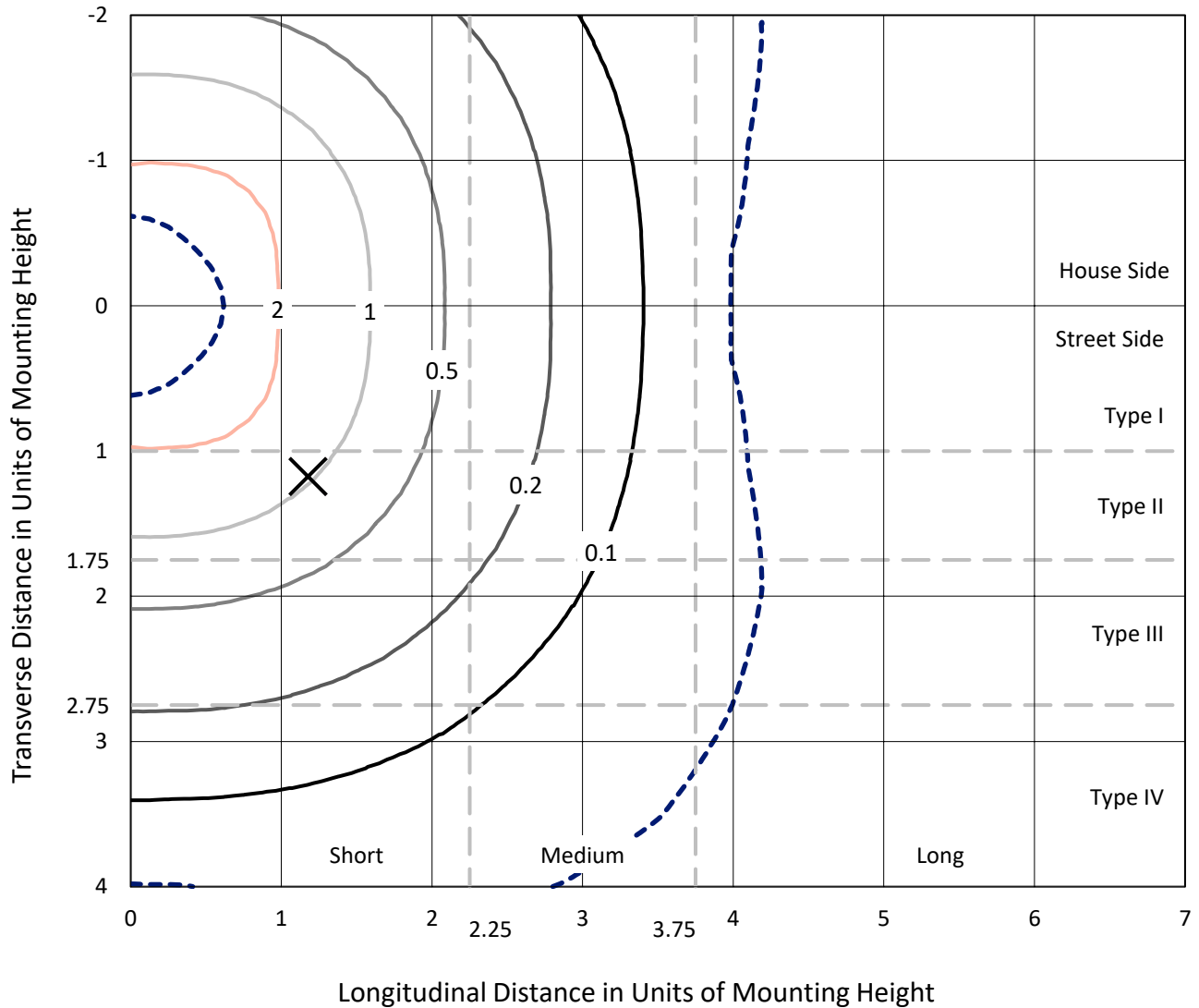
Input Watts (W): 193.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

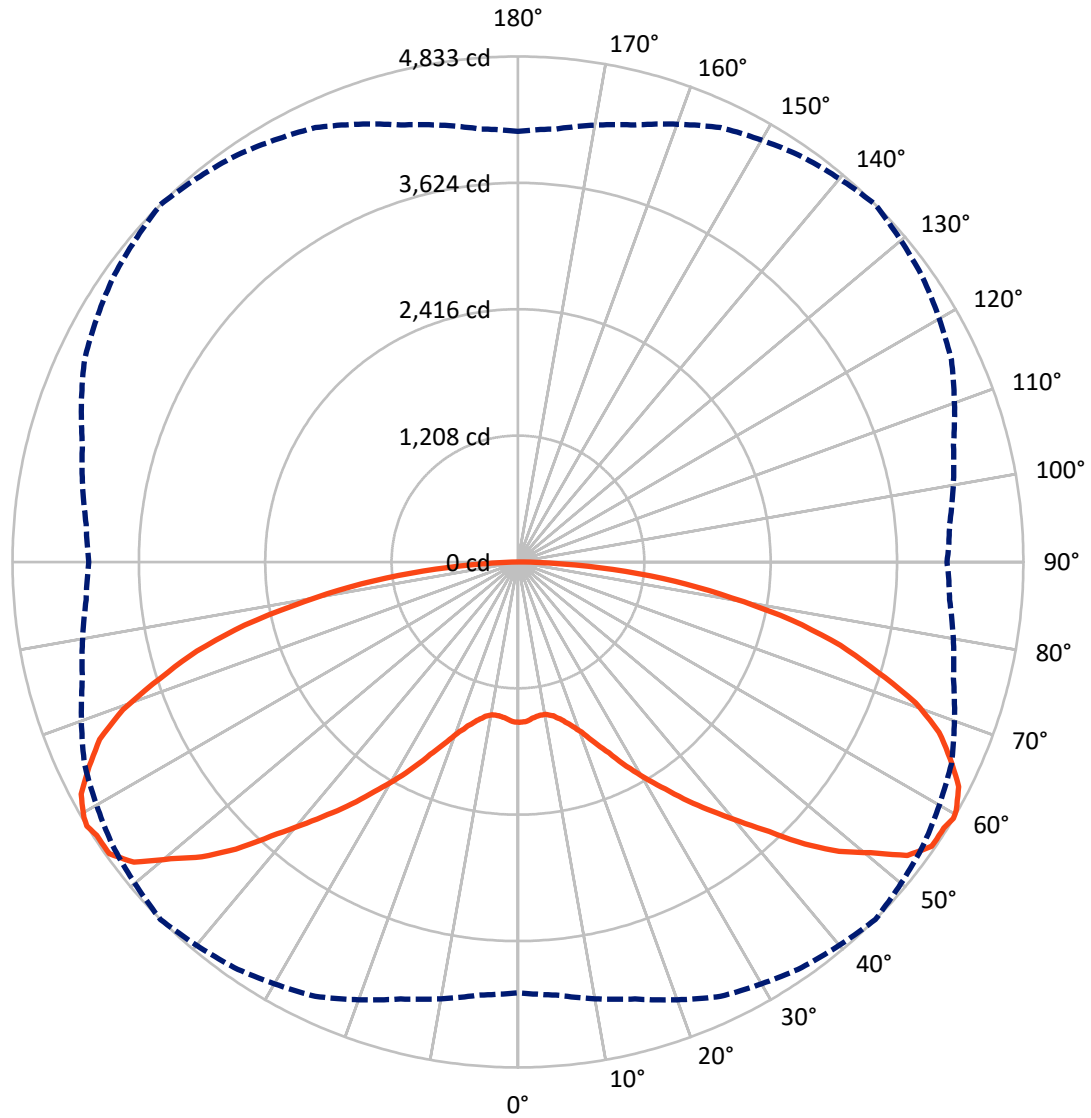
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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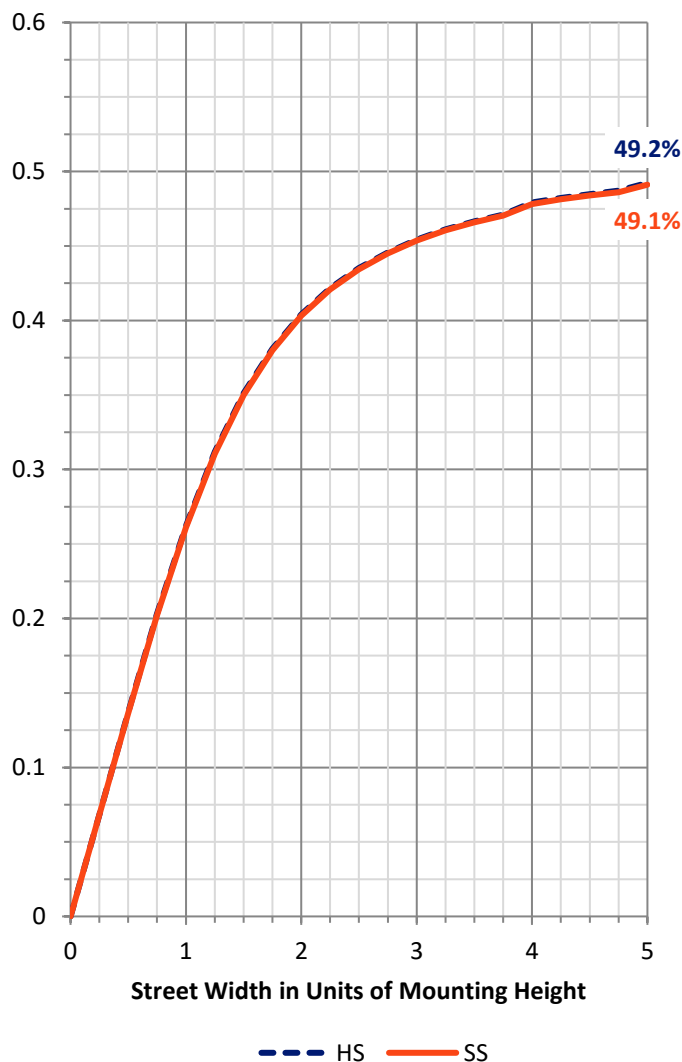
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9032.5	0.0	9032.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9032.5	0.0	9032.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18065.0	0.0	18065.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.9	0.8
10°-20°	448.5	2.5
20°-30°	937.4	5.2
30°-40°	1724.3	9.5
40°-50°	2837.4	15.7
50°-60°	3958.3	21.9
60°-70°	4122.4	22.8
70°-80°	3004.2	16.6
80°-90°	890.6	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°	18065.0	100.0
0°-180°	18065.0	100.0

Coefficient of Utilization

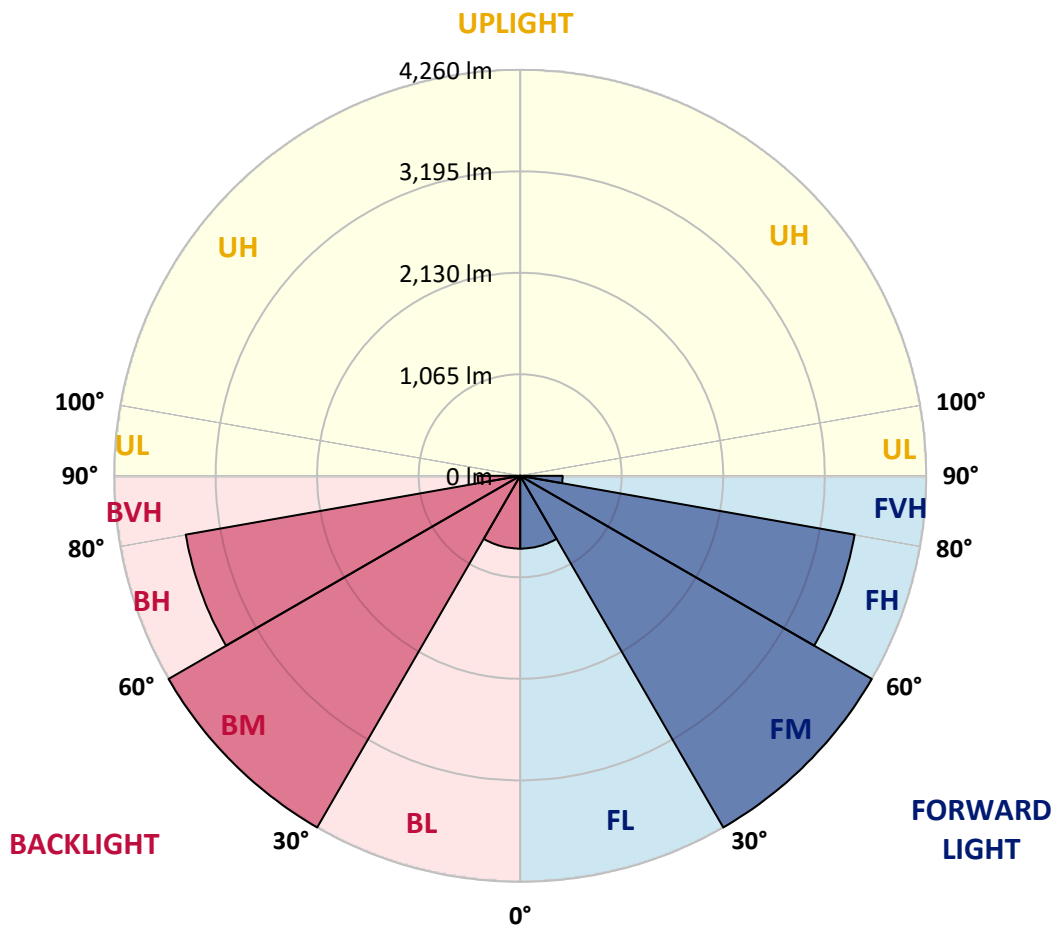


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	763.9	4.2			
FM (30°-60°)	4260.0	23.6			
FH (60°-80°)	3563.3	19.7			G2/5000
FVH (80°-90°)	445.3	2.5			G3/500
BL (0°-30°)	763.9	4.2	B2/1000		
BM (30°-60°)	4260.0	23.6	B3/5000		
BH (60°-80°)	3563.3	19.7	B4/5000		G2/5000
BVH (80°-90°)	445.3	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°	1533.4	1533.4	1533.4	1533.4	1533.4	1533.4	1533.4	1533.4	1533.4	1533.4	1533.4
2.5°	1525.2	1526.0	1526.0	1526.9	1526.0	1526.9	1525.2	1524.4	1523.6	1524.4	1523.6
5°	1489.8	1492.3	1492.3	1494.7	1495.6	1498.0	1496.4	1495.6	1493.1	1492.3	1491.4
7.5°	1465.1	1465.9	1468.4	1473.3	1477.4	1480.7	1479.9	1476.6	1472.5	1469.2	1468.4
10°	1464.3	1463.4	1465.9	1470.0	1478.3	1480.7	1479.9	1474.2	1470.9	1468.4	1468.4
12.5°	1490.6	1489.8	1493.1	1498.9	1509.6	1509.6	1511.2	1502.2	1495.6	1493.9	1493.9
15°	1542.5	1540.0	1548.3	1553.2	1565.6	1565.6	1566.4	1555.7	1548.3	1545.8	1545.8
17.5°	1612.5	1610.0	1619.1	1627.3	1639.7	1640.5	1641.3	1629.8	1619.9	1615.8	1617.4
20°	1703.1	1699.8	1708.0	1719.6	1736.9	1736.0	1735.2	1723.7	1711.3	1706.4	1708.0
22.5°	1815.1	1819.2	1831.6	1847.2	1868.6	1871.9	1867.0	1851.3	1833.2	1825.8	1826.6
25°	1951.0	1955.1	1969.9	1994.6	2023.5	2022.6	2019.3	1996.3	1969.9	1959.2	1961.7
27.5°	2116.5	2119.0	2141.2	2166.8	2206.3	2210.4	2203.0	2166.8	2139.6	2118.2	2115.7
30°	2282.1	2285.3	2306.8	2343.8	2386.6	2397.4	2376.8	2342.2	2306.8	2283.7	2279.6
32.5°	2462.4	2469.8	2489.6	2525.8	2582.6	2588.4	2576.1	2526.6	2486.3	2465.7	2464.9
35°	2640.3	2651.0	2679.0	2729.2	2787.7	2808.3	2780.3	2729.2	2681.5	2642.8	2638.7
37.5°	2837.1	2851.1	2880.8	2945.8	3004.3	3024.1	2998.5	2941.7	2875.0	2841.2	2837.9
40°	3026.5	3048.8	3104.0	3172.3	3241.5	3258.8	3240.7	3164.9	3094.1	3048.0	3018.3
42.5°	3233.3	3247.3	3311.5	3416.1	3485.3	3524.0	3481.1	3411.1	3309.8	3244.0	3237.4
45°	3468.0	3511.6	3566.0	3691.1	3805.6	3848.4	3803.1	3683.7	3556.1	3503.4	3472.9
47.5°	3687.0	3720.0	3813.0	3955.5	4093.0	4133.4	4088.9	3951.4	3799.0	3710.9	3681.3
50°	3868.2	3914.3	4009.0	4196.0	4316.2	4368.1	4308.0	4186.1	4000.0	3903.6	3868.2
52.5°	4041.2	4093.0	4210.8	4396.1	4590.5	4661.3	4586.3	4382.1	4199.3	4077.4	4028.0
55°	4134.2	4182.0	4309.6	4553.4	4753.5	4800.5	4746.9	4540.2	4298.1	4166.3	4120.2
57.5°	4149.0	4188.6	4346.7	4604.5	4755.2	4801.3	4751.9	4592.9	4332.7	4174.6	4135.9
59°	4117.7	4155.6	4325.3	4582.2	4732.9	4832.6	4729.6	4572.3	4310.5	4143.3	4102.9
60°	4098.8	4135.0	4294.0	4550.1	4711.5	4814.5	4708.2	4541.9	4276.7	4124.3	4083.2
62.5°	4004.1	4037.9	4245.4	4471.0	4648.9	4729.6	4644.0	4462.8	4232.2	4027.2	3981.9
65°	3821.3	3837.7	4036.2	4259.4	4493.3	4541.9	4485.9	4256.9	4019.7	3826.2	3802.3
67.5°	3619.5	3640.9	3811.4	4056.8	4278.3	4343.4	4266.8	4056.0	3799.0	3625.3	3598.1
70°	3292.5	3314.8	3542.9	3752.9	3932.4	4032.9	3913.5	3746.3	3529.7	3308.2	3269.5
72.5°	2976.3	2987.0	3149.3	3396.3	3612.9	3593.1	3590.7	3393.0	3136.9	2991.1	2973.8
75°	2563.7	2569.5	2758.9	2964.0	3162.4	3183.8	3132.0	2959.8	2744.9	2567.0	2564.5
77.5°	2119.0	2136.3	2265.6	2456.6	2608.2	2680.7	2591.7	2466.5	2252.4	2137.9	2123.1
80°	1630.6	1652.0	1783.8	1936.2	2067.1	2072.9	2054.8	1949.3	1772.3	1654.5	1637.2
82.5°	1126.6	1148.9	1265.0	1378.6	1505.4	1512.0	1491.4	1391.0	1254.3	1153.0	1136.5
85°	622.6	642.4	721.4	808.7	911.7	911.7	882.8	824.4	713.2	649.0	633.3
87.5°	105.4	107.1	155.7	204.2	296.5	306.4	279.2	223.2	163.9	128.5	117.8
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)