

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: P543206

Luminaire Tested: **TT-D9-740-U-RW-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-277-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D9-740-U-RW-PM
Description: TOPTIER LED SITE LUMINAIRE
4000K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18363 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

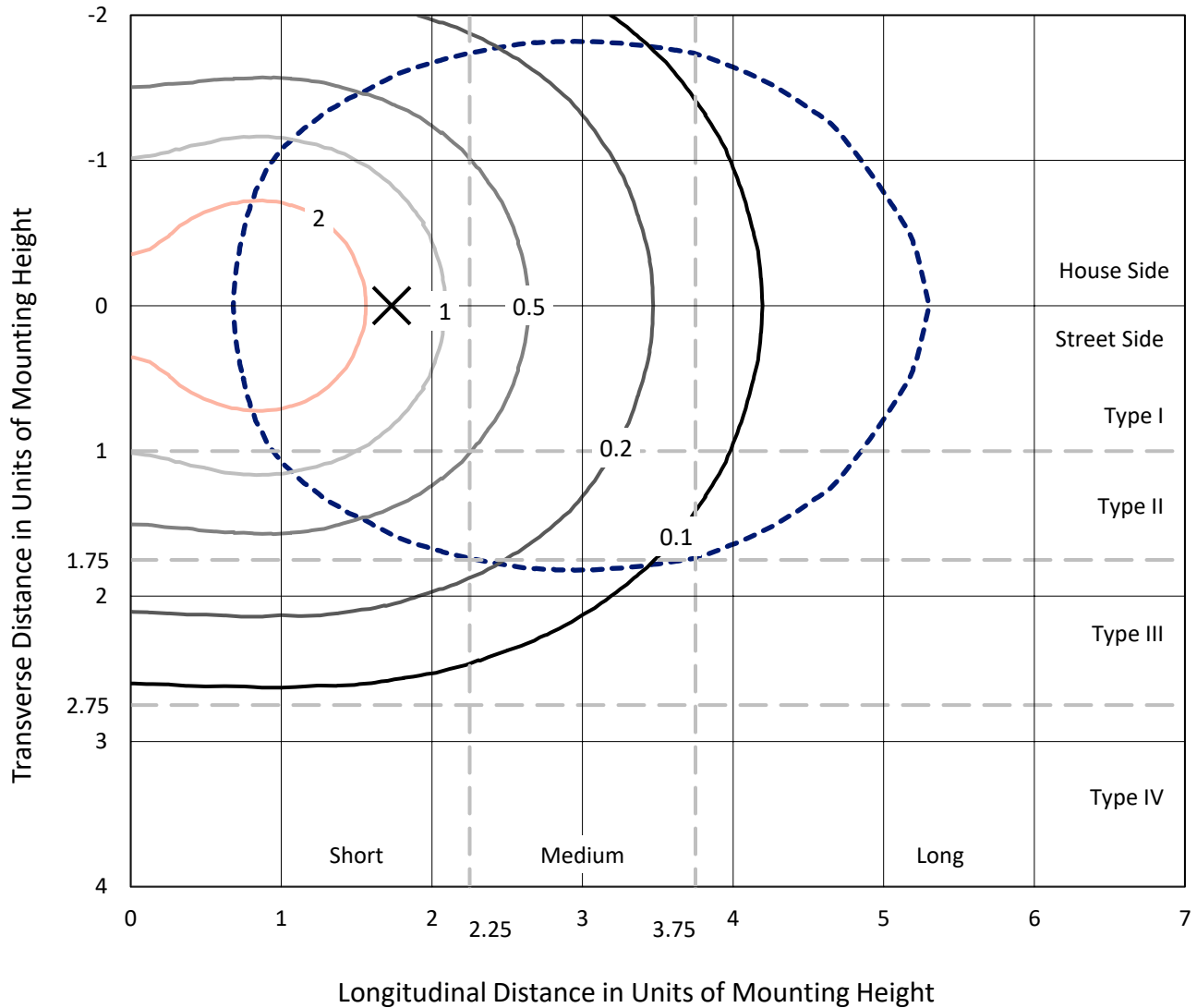
Input Watts (W): 178
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

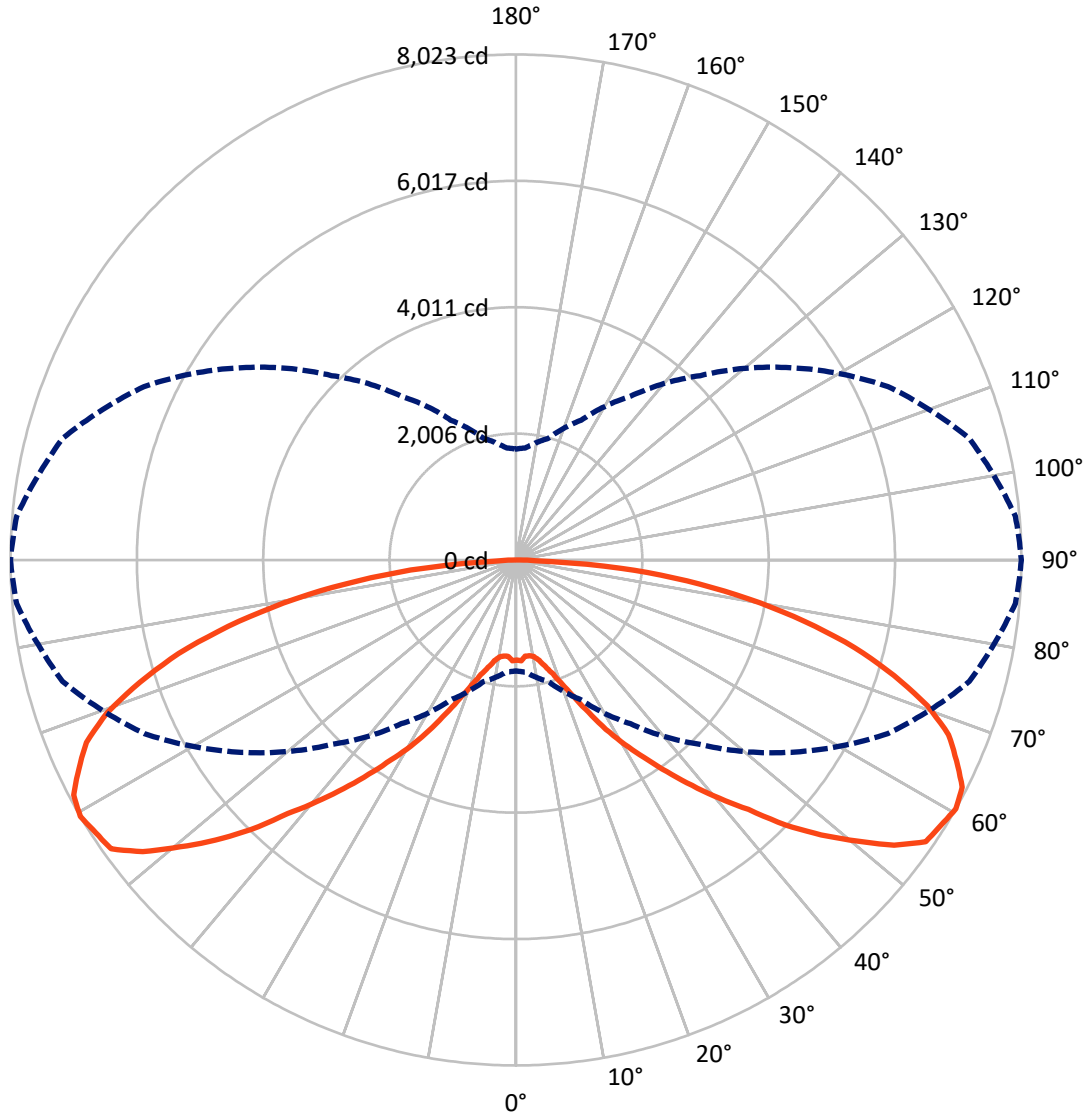
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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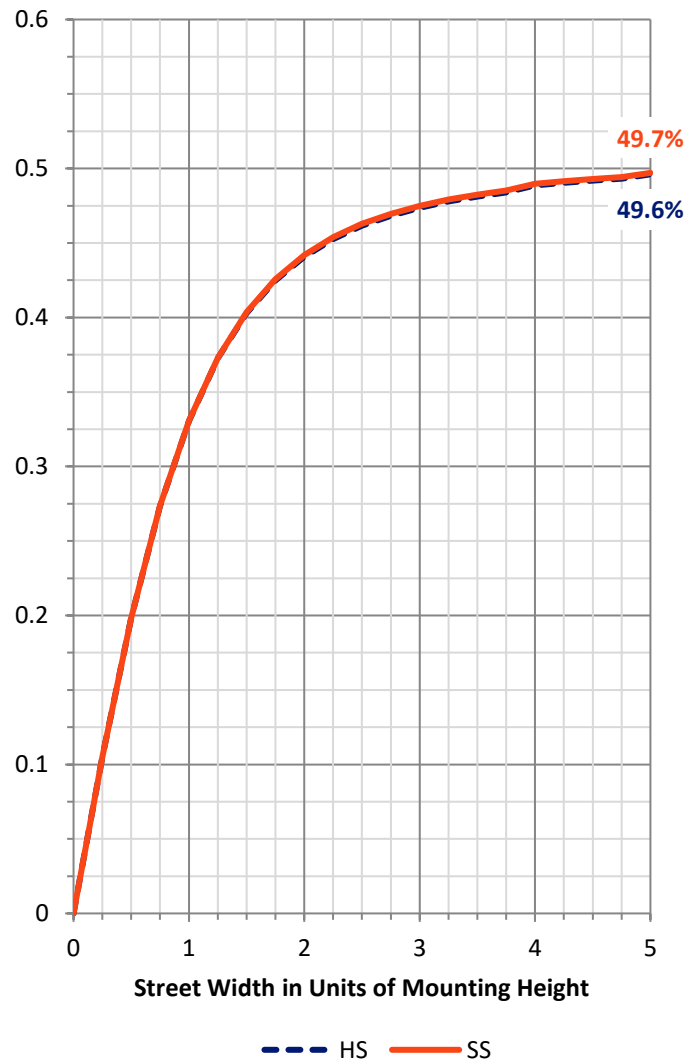
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9181.5	0.0	9181.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9181.5	0.0	9181.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18363.0	0.0	18363.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	0.8
10°-20°	466.6	2.5
20°-30°	972.8	5.3
30°-40°	1778.7	9.7
40°-50°	2891.1	15.7
50°-60°	4015.8	21.9
60°-70°	4186.4	22.8
70°-80°	3040.6	16.6
80°-90°	863.2	4.7
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°	18363.0	100.0
0°-180°	18363.0	100.0

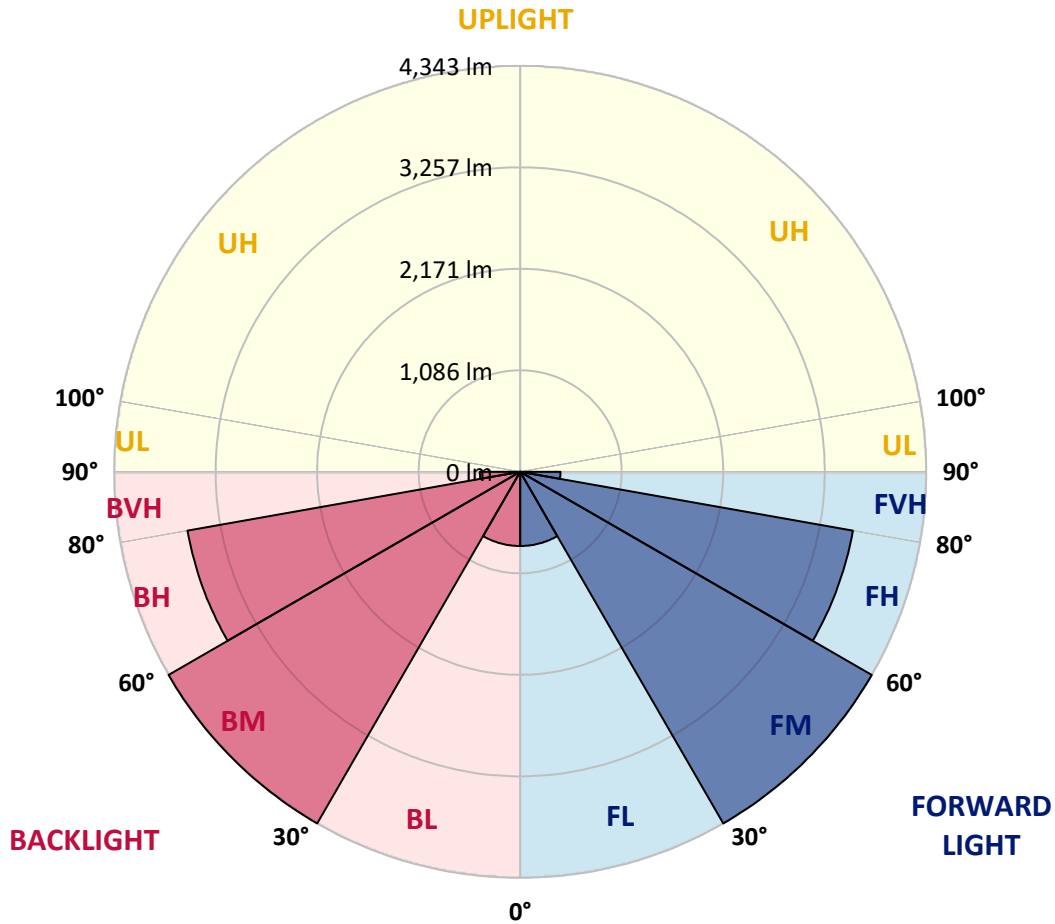


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	793.6	4.3			
FM (30°-60°)	4342.8	23.6			
FH (60°-80°)	3613.5	19.7			G2/5000
FVH (80°-90°)	431.6	2.4			G3/500
BL (0°-30°)	793.6	4.3	B2/1000		
BM (30°-60°)	4342.8	23.6	B3/5000		
BH (60°-80°)	3613.5	19.7	B4/5000		G4/5000
BVH (80°-90°)	431.6	2.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9	1587.9
2.5°	1589.0	1589.0	1589.0	1589.0	1591.3	1593.5	1597.9	1599.0	1601.2	1601.2	1601.2
5°	1571.3	1571.3	1567.9	1562.4	1556.8	1553.5	1551.3	1545.7	1540.2	1535.7	1534.6
7.5°	1546.8	1546.8	1541.3	1535.7	1530.2	1528.0	1528.0	1531.3	1533.5	1534.6	1534.6
10°	1528.0	1528.0	1524.6	1523.5	1526.8	1528.0	1532.4	1541.3	1551.3	1555.7	1556.8
12.5°	1513.5	1513.5	1518.0	1523.5	1539.1	1556.8	1580.1	1600.1	1624.6	1634.6	1633.4
15°	1502.4	1502.4	1513.5	1536.8	1570.2	1606.8	1653.4	1696.7	1732.3	1748.9	1758.9
17.5°	1495.8	1498.0	1518.0	1559.1	1615.7	1679.0	1744.5	1815.6	1874.4	1901.1	1900.0
20°	1491.3	1495.8	1528.0	1591.3	1674.5	1771.1	1876.6	1982.1	2056.5	2097.6	2104.3
22.5°	1505.7	1510.2	1552.4	1634.6	1751.2	1898.8	2049.9	2179.8	2300.8	2360.8	2365.2
25°	1520.2	1528.0	1585.7	1694.5	1845.5	2035.4	2236.4	2430.7	2575.1	2667.3	2675.0
27.5°	1546.8	1554.6	1620.1	1756.7	1958.8	2204.2	2472.9	2710.6	2904.9	3028.2	3042.6
30°	1573.5	1581.3	1661.2	1823.3	2073.2	2367.4	2695.0	2993.7	3233.6	3360.2	3396.8
32.5°	1600.1	1611.2	1705.6	1903.3	2202.0	2554.0	2944.9	3289.1	3573.4	3732.2	3738.8
35°	1635.7	1650.1	1758.9	1988.8	2325.3	2742.8	3183.6	3603.4	3917.6	4118.6	4126.4
37.5°	1667.9	1680.1	1812.2	2071.0	2464.1	2933.8	3446.8	3911.0	4319.6	4493.9	4540.6
40°	1705.6	1728.9	1865.5	2157.6	2588.4	3118.1	3710.0	4257.4	4683.8	4940.3	4972.5
42.5°	1750.0	1765.6	1919.9	2242.0	2723.9	3318.0	3989.8	4617.2	5119.1	5385.6	5413.4
45°	1798.9	1815.6	1989.9	2336.4	2874.9	3562.3	4317.4	5044.7	5638.8	5957.5	5999.7
47.5°	1838.9	1858.9	2037.6	2430.7	3014.8	3754.4	4621.6	5495.5	6129.6	6493.8	6521.6
50°	1854.4	1892.2	2082.1	2490.7	3113.7	3939.8	4897.0	5834.2	6577.1	6988.0	7013.5
52.5°	1882.2	1898.8	2112.0	2538.5	3228.0	4101.9	5178.0	6191.8	7010.2	7453.2	7518.8
55°	1870.0	1886.6	2094.3	2556.2	3253.6	4186.3	5312.3	6451.6	7298.9	7774.2	7894.1
57.5°	1821.1	1855.5	2063.2	2511.8	3245.8	4199.7	5380.1	6519.4	7425.5	7966.3	7950.7
60°	1760.0	1786.7	1999.9	2448.5	3172.5	4138.6	5322.3	6514.9	7449.9	7957.4	8022.9
62.5°	1674.5	1703.4	1911.1	2330.8	3091.5	4045.3	5280.1	6390.6	7384.4	7855.2	7949.6
65°	1564.6	1593.5	1793.4	2232.0	2882.7	3833.2	5020.3	6285.1	7201.2	7657.6	7685.3
67.5°	1438.0	1451.3	1649.0	2038.8	2728.3	3637.8	4800.4	5903.1	6779.2	7297.8	7407.7
70°	1284.8	1315.9	1482.4	1857.8	2462.9	3302.4	4408.4	5498.9	6410.5	6839.2	6930.2
72.5°	1113.8	1146.0	1295.9	1629.0	2182.0	2969.3	3973.1	5035.8	5835.3	6269.5	6277.3
75°	931.7	953.9	1084.9	1372.5	1846.7	2557.3	3451.2	4368.5	5103.6	5516.6	5557.7
77.5°	741.8	761.8	859.5	1103.8	1501.3	2106.5	2857.1	3703.3	4290.7	4631.6	4687.1
80°	537.5	555.2	632.9	816.2	1143.7	1625.7	2254.2	2891.6	3389.0	3684.4	3751.0
82.5°	346.5	349.8	407.5	536.3	751.8	1092.7	1579.0	2083.2	2448.5	2686.1	2737.2
85°	167.7	167.7	197.7	263.2	370.9	595.2	899.5	1255.9	1488.0	1650.1	1680.1
87.5°	42.2	43.3	45.5	46.6	54.4	65.5	103.3	209.9	318.7	350.9	306.5
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)