

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: P197577

Luminaire Tested: **TT-C6-LED-E1-5CQ-PM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-5CQ-PM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9084.6 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

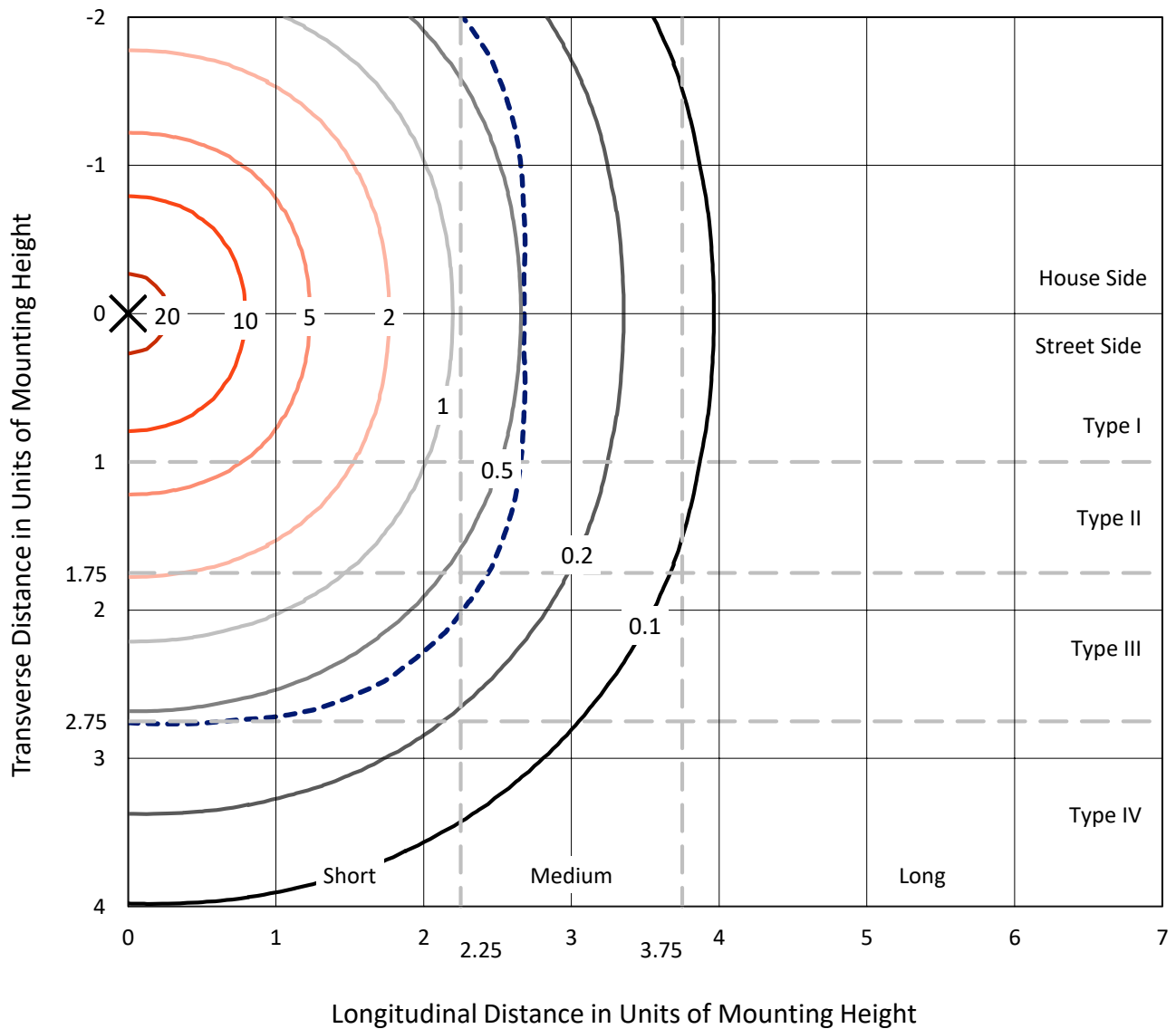
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

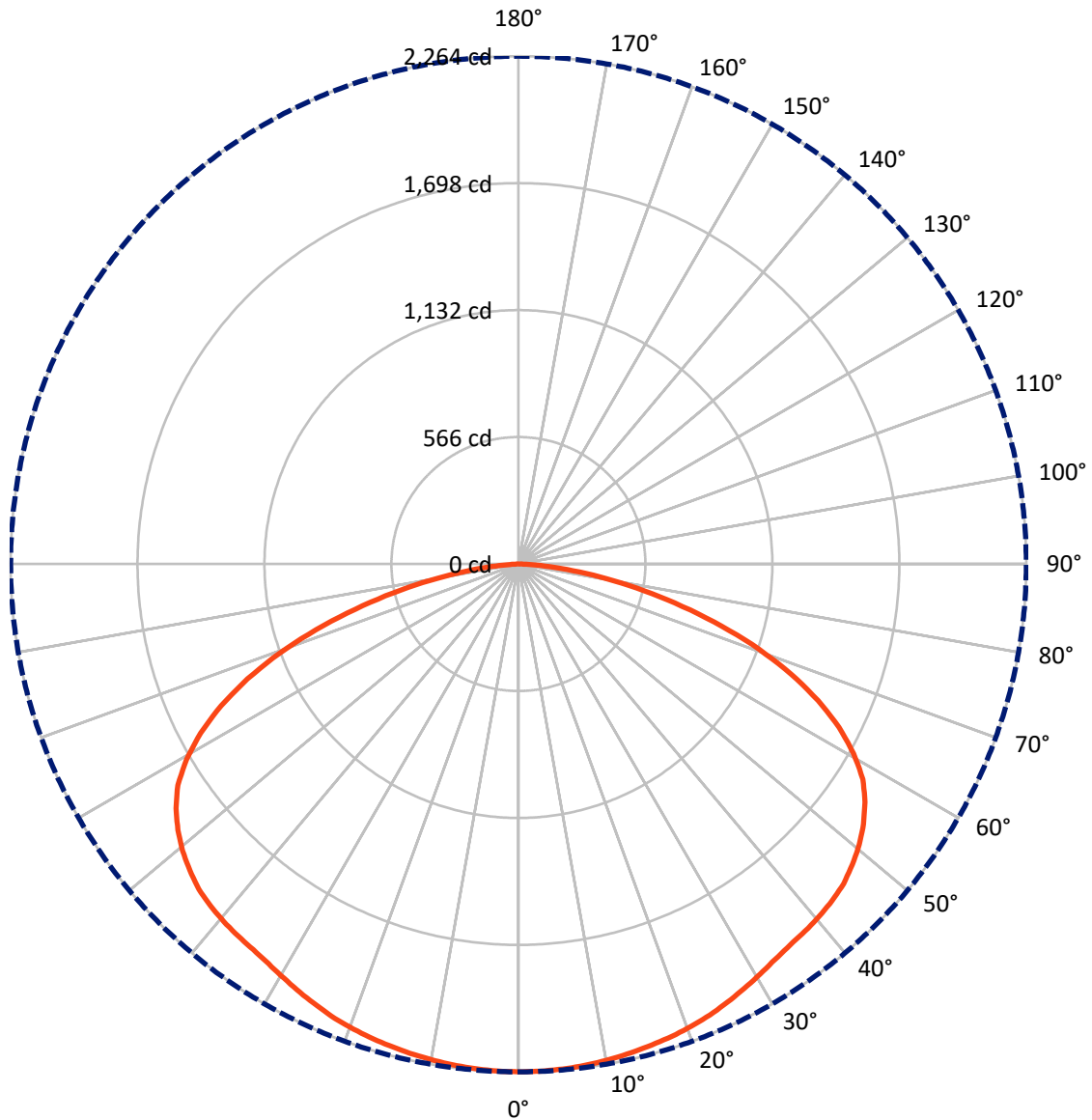
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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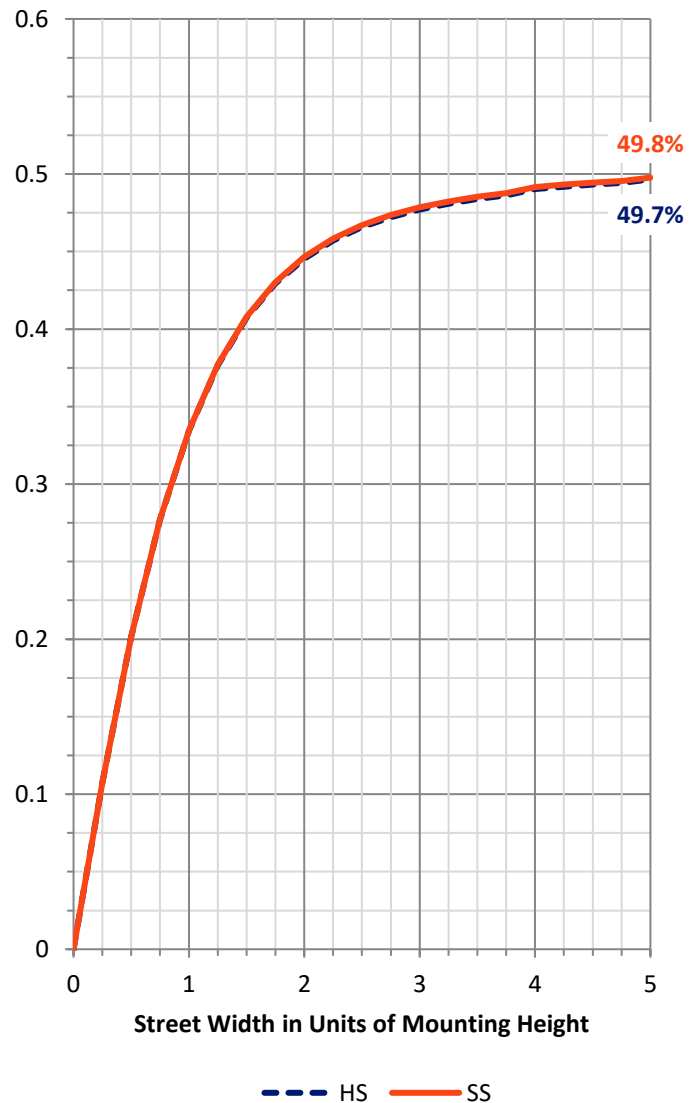
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4542.3	0.0	4542.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4542.3	0.0	4542.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	9084.6	0.0	9084.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.2	2.4
10°-20°	630.1	6.9
20°-30°	1002.3	11.0
30°-40°	1325.6	14.6
40°-50°	1617.6	17.8
50°-60°	1746.9	19.2
60°-70°	1512.8	16.7
70°-80°	857.7	9.4
80°-90°	176.4	1.9
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°	9084.6	100.0
0°-180°	9084.6	100.0

Coefficient of Utilization



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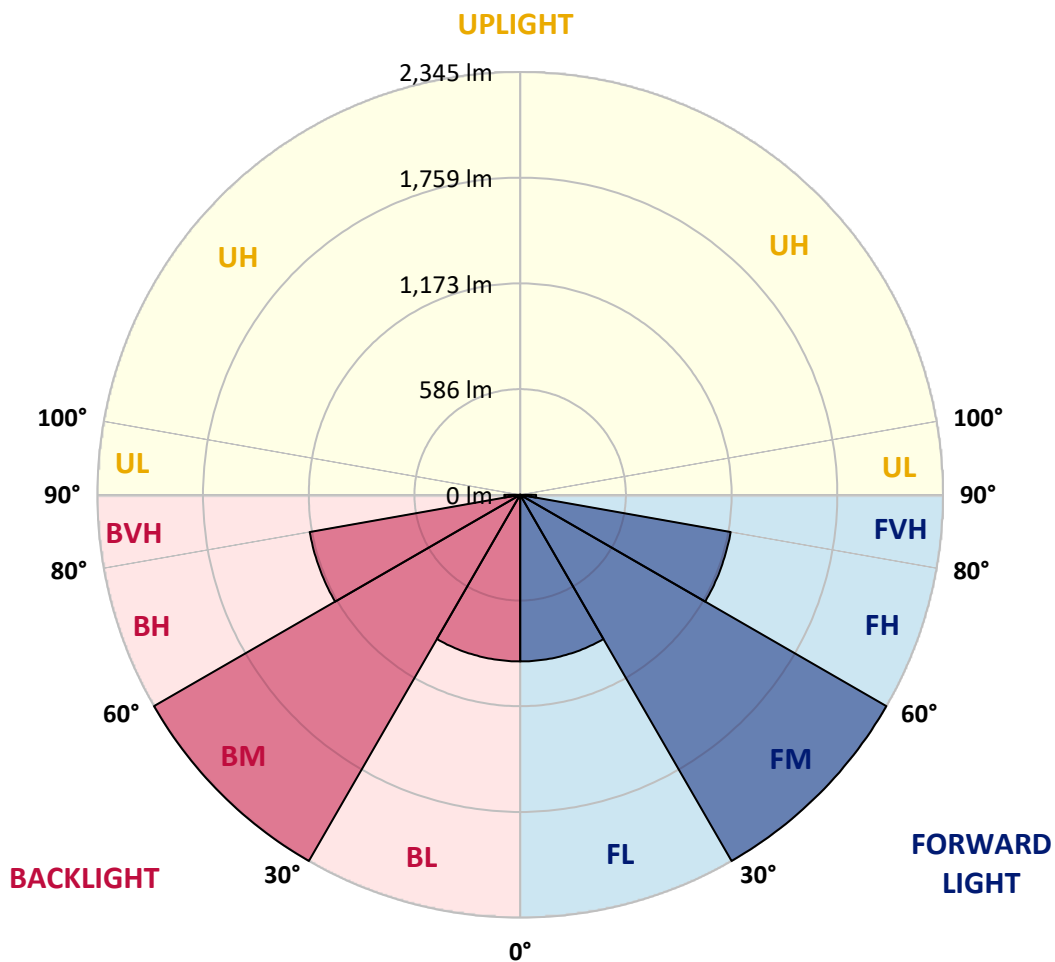
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	923.8	10.2			
FM	(30°-60°)	2345.0	25.8			
FH	(60°-80°)	1185.3	13.0			G1/1800
FVH	(80°-90°)	88.2	1.0			G1/100
BL	(0°-30°)	923.8	10.2	B2/1000		
BM	(30°-60°)	2345.0	25.8	B2/2500		
BH	(60°-80°)	1185.3	13.0	B3/2500		G1/1800
BVH	(80°-90°)	88.2	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0
2.5°	2262.5	2262.5	2262.5	2262.5	2262.5	2262.5	2262.5	2262.5	2262.5	2262.5	2262.5
5°	2259.3	2259.3	2259.3	2259.3	2259.3	2259.3	2259.3	2259.3	2259.3	2259.3	2259.3
7.5°	2253.0	2253.0	2253.0	2253.0	2253.0	2254.7	2253.0	2253.0	2253.0	2253.0	2254.7
10°	2245.3	2245.3	2246.8	2246.8	2245.3	2245.3	2245.3	2245.3	2245.3	2245.3	2245.3
12.5°	2235.9	2235.9	2235.9	2235.9	2235.9	2235.9	2235.9	2235.9	2234.3	2234.3	2234.3
15°	2224.9	2224.9	2224.9	2226.4	2226.4	2226.4	2226.4	2224.9	2223.3	2221.8	2223.3
17.5°	2214.0	2214.0	2215.5	2217.1	2217.1	2217.1	2217.1	2214.0	2212.4	2210.9	2210.9
20°	2200.0	2201.5	2201.5	2203.0	2204.6	2204.6	2204.6	2203.0	2200.0	2196.8	2196.8
22.5°	2184.3	2185.8	2187.4	2188.9	2190.5	2188.9	2188.9	2187.4	2184.3	2182.7	2181.1
25°	2163.9	2163.9	2167.1	2170.2	2171.7	2171.7	2171.7	2168.6	2165.5	2163.9	2162.4
27.5°	2143.6	2143.6	2146.8	2151.4	2153.0	2154.5	2151.4	2149.9	2145.1	2142.1	2142.1
30°	2121.8	2121.8	2126.4	2132.7	2137.3	2139.0	2137.3	2131.1	2124.8	2121.8	2121.8
32.5°	2101.4	2103.0	2107.6	2117.0	2124.8	2127.9	2126.4	2118.6	2110.8	2104.5	2103.0
35°	2085.8	2087.3	2096.7	2107.6	2120.2	2124.8	2120.2	2112.4	2099.8	2090.4	2090.4
37.5°	2076.4	2076.4	2088.9	2107.6	2121.8	2127.9	2121.8	2110.8	2093.6	2081.1	2081.1
40°	2065.4	2068.6	2084.2	2107.6	2127.9	2137.3	2129.6	2113.9	2092.0	2076.4	2074.8
42.5°	2051.4	2056.0	2073.2	2104.5	2129.6	2143.6	2135.8	2117.0	2090.4	2073.2	2071.7
45°	2032.6	2034.2	2056.0	2093.6	2126.4	2145.1	2139.0	2115.5	2085.8	2065.4	2062.3
47.5°	2002.9	2006.0	2032.6	2076.4	2117.0	2137.3	2132.7	2106.1	2068.6	2045.1	2040.5
50°	1968.5	1971.6	2002.9	2052.9	2098.3	2121.8	2113.9	2081.1	2040.5	2009.1	2006.0
52.5°	1926.3	1932.6	1966.9	2023.3	2071.7	2093.6	2081.1	2038.8	1991.9	1957.5	1954.4
55°	1874.7	1881.0	1920.0	1979.5	2027.9	2045.1	2027.9	1977.9	1927.8	1888.8	1881.0
57.5°	1810.6	1815.2	1852.8	1915.4	1962.3	1976.3	1954.4	1902.8	1843.5	1801.2	1796.5
60°	1716.7	1723.0	1766.8	1824.6	1871.6	1888.8	1866.9	1804.3	1740.2	1698.0	1696.4
62.5°	1604.2	1615.1	1652.6	1715.2	1757.4	1780.9	1751.1	1687.1	1623.0	1574.4	1574.4
65°	1468.2	1475.9	1516.6	1577.6	1618.2	1638.6	1608.9	1549.5	1479.1	1436.9	1432.2
67.5°	1311.8	1318.1	1354.1	1416.6	1460.4	1477.6	1444.7	1388.5	1322.7	1277.4	1272.8
70°	1138.3	1147.7	1174.3	1232.1	1271.1	1280.5	1255.6	1202.4	1142.9	1102.3	1099.2
72.5°	949.0	956.9	991.3	1036.6	1067.9	1071.0	1055.4	1016.3	955.3	922.5	917.8
75°	755.2	767.7	797.4	836.5	859.9	859.9	850.5	822.4	769.2	744.2	744.2
77.5°	572.2	578.5	609.8	636.3	655.1	664.5	653.5	628.5	586.4	569.2	559.8
80°	398.7	404.9	419.0	439.3	458.1	464.4	451.9	431.5	408.1	395.5	389.4
82.5°	243.9	250.2	258.0	268.9	281.5	287.7	279.8	267.4	247.1	245.5	243.9
85°	117.3	120.3	126.6	129.8	136.0	137.6	139.2	132.9	126.6	118.8	122.0
87.5°	36.0	36.0	37.5	39.1	42.2	42.2	42.2	40.7	37.5	36.0	36.0
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)