

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: P197576

Luminaire Tested: **TT-C5-LED-E1-5CQ-PM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197576
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-C5-LED-E1-5CQ-PM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9263.2 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

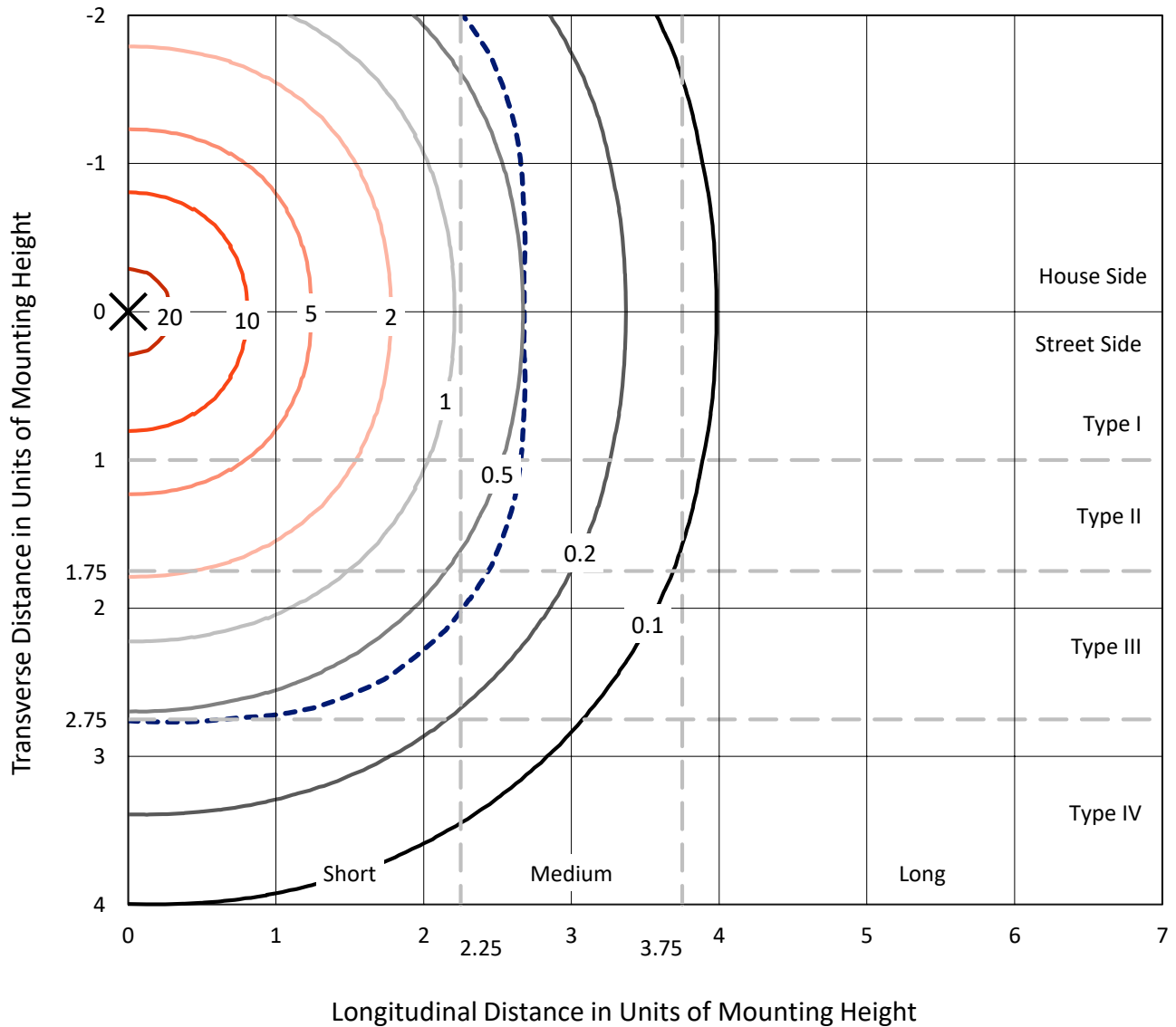
Input Watts (W): 77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

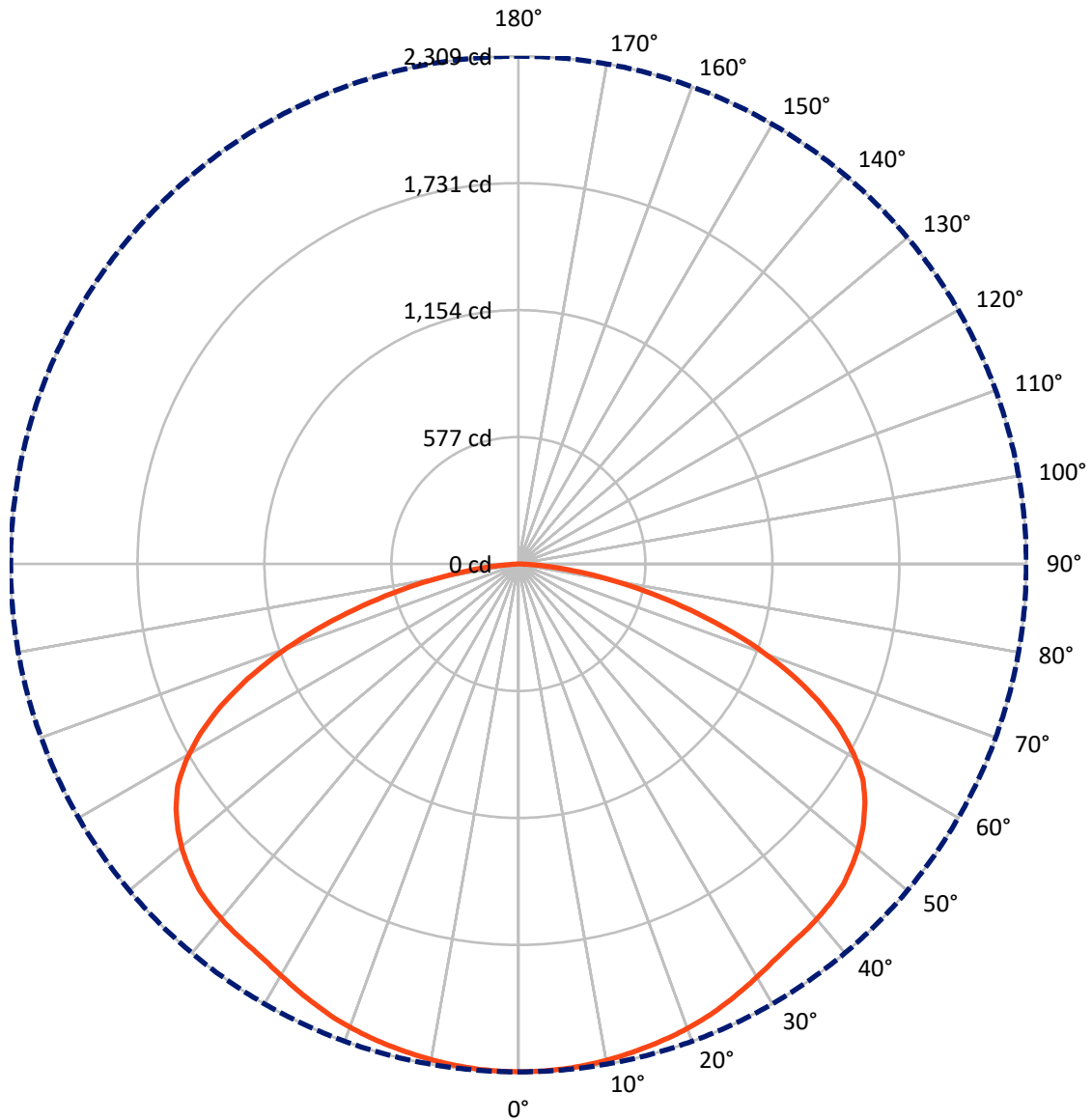
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.1 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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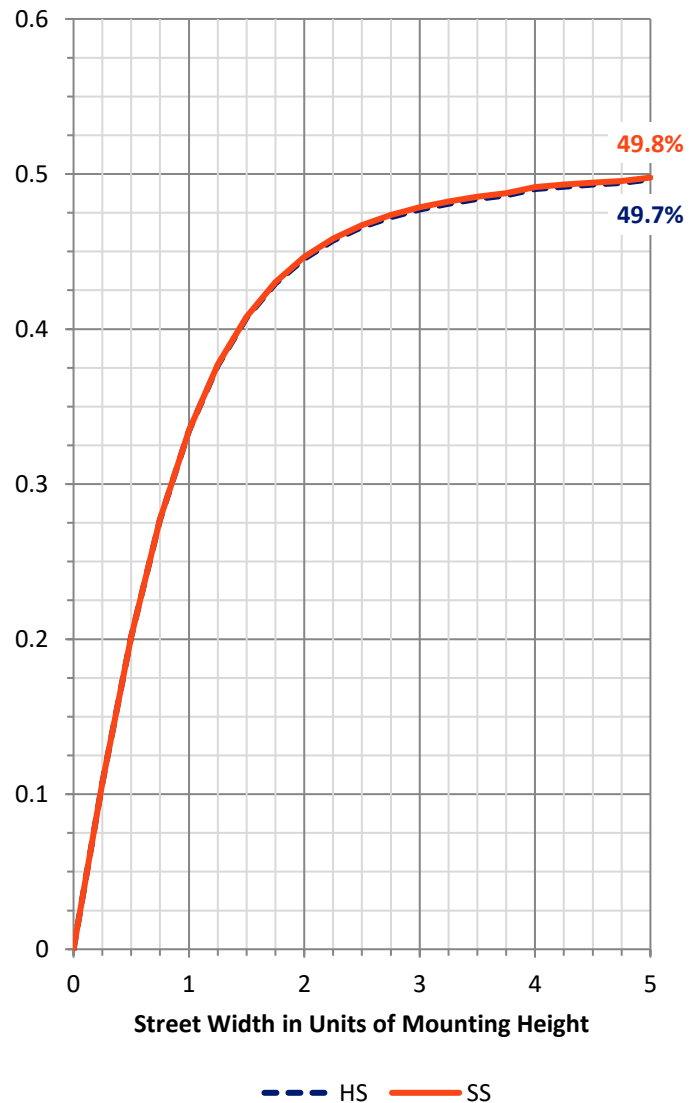
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4631.6	0.0	4631.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4631.6	0.0	4631.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9263.2	0.0	9263.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.4	2.4
10°-20°	642.5	6.9
20°-30°	1022.0	11.0
30°-40°	1351.6	14.6
40°-50°	1649.4	17.8
50°-60°	1781.3	19.2
60°-70°	1542.6	16.7
70°-80°	874.6	9.4
80°-90°	179.9	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°	9263.2	100.0
0°-180°	9263.2	100.0



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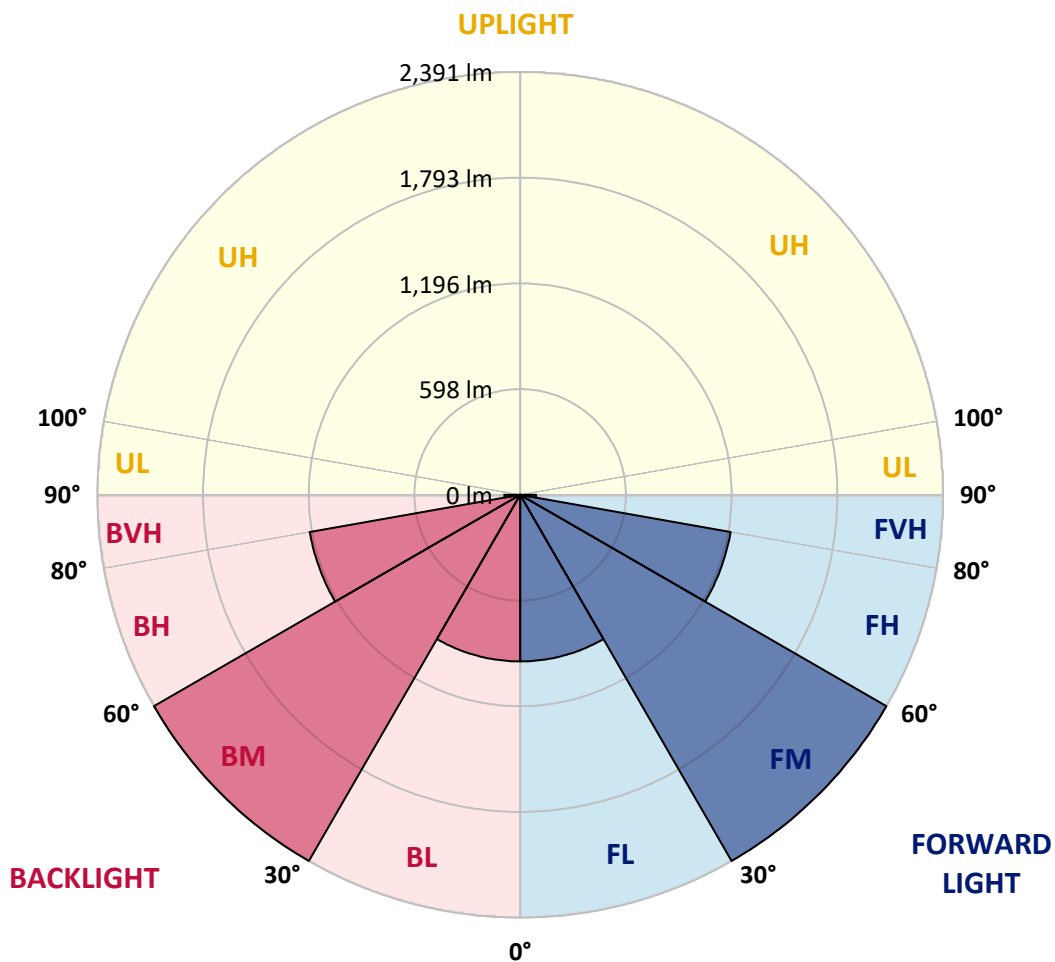
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	941.9	10.2			
FM	(30°-60°)	2391.1	25.8			
FH	(60°-80°)	1208.6	13.0			G1/1800
FVH	(80°-90°)	89.9	1.0			G1/100
BL	(0°-30°)	941.9	10.2	B2/1000		
BM	(30°-60°)	2391.1	25.8	B2/2500		
BH	(60°-80°)	1208.6	13.0	B3/2500		G1/1800
BVH	(80°-90°)	89.9	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°	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5
2.5°	2307.0	2307.0	2307.0	2307.0	2307.0	2307.0	2307.0	2307.0	2307.0	2307.0	2307.0
5°	2303.8	2303.8	2303.8	2303.8	2303.8	2303.8	2303.8	2303.8	2303.8	2303.8	2303.8
7.5°	2297.4	2297.4	2297.4	2297.4	2297.4	2298.9	2297.4	2297.4	2297.4	2297.4	2298.9
10°	2289.4	2289.4	2291.0	2291.0	2289.4	2289.4	2289.4	2289.4	2289.4	2289.4	2289.4
12.5°	2279.8	2279.8	2279.8	2279.8	2279.8	2279.8	2279.8	2279.8	2278.3	2278.3	2278.3
15°	2268.7	2268.7	2268.7	2270.2	2270.2	2270.2	2270.2	2268.7	2267.0	2265.5	2267.0
17.5°	2257.5	2257.5	2259.1	2260.7	2260.7	2260.7	2260.7	2257.5	2255.9	2254.3	2254.3
20°	2243.2	2244.7	2244.7	2246.4	2247.9	2247.9	2247.9	2246.4	2243.2	2240.0	2240.0
22.5°	2227.2	2228.8	2230.4	2231.9	2233.6	2231.9	2231.9	2230.4	2227.2	2225.6	2224.0
25°	2206.5	2206.5	2209.6	2212.8	2214.5	2214.5	2214.5	2211.3	2208.1	2206.5	2204.9
27.5°	2185.7	2185.7	2188.9	2193.8	2195.3	2197.0	2193.8	2192.1	2187.4	2184.2	2184.2
30°	2163.4	2163.4	2168.2	2174.6	2179.4	2181.0	2179.4	2173.0	2166.6	2163.4	2163.4
32.5°	2142.7	2144.3	2149.1	2158.7	2166.6	2169.8	2168.2	2160.2	2152.3	2145.9	2144.3
35°	2126.8	2128.3	2137.9	2149.1	2161.9	2166.6	2161.9	2153.8	2141.1	2131.5	2131.5
37.5°	2117.2	2117.2	2130.0	2149.1	2163.4	2169.8	2163.4	2152.3	2134.7	2121.9	2121.9
40°	2106.0	2109.2	2125.1	2149.1	2169.8	2179.4	2171.4	2155.5	2133.2	2117.2	2115.6
42.5°	2091.7	2096.4	2114.0	2145.9	2171.4	2185.7	2177.8	2158.7	2131.5	2114.0	2112.4
45°	2072.6	2074.2	2096.4	2134.7	2168.2	2187.4	2181.0	2157.0	2126.8	2106.0	2102.8
47.5°	2042.3	2045.5	2072.6	2117.2	2158.7	2179.4	2174.6	2147.5	2109.2	2085.3	2080.6
50°	2007.2	2010.4	2042.3	2093.2	2139.5	2163.4	2155.5	2121.9	2080.6	2048.7	2045.5
52.5°	1964.2	1970.6	2005.6	2063.0	2112.4	2134.7	2121.9	2078.9	2031.1	1996.0	1992.8
55°	1911.5	1917.9	1957.8	2018.3	2067.8	2085.3	2067.8	2016.8	1965.7	1925.9	1917.9
57.5°	1846.2	1851.0	1889.2	1953.0	2000.8	2015.1	1992.8	1940.2	1879.6	1836.6	1831.9
60°	1750.5	1756.8	1801.5	1860.5	1908.3	1925.9	1903.6	1839.8	1774.4	1731.4	1729.8
62.5°	1635.7	1646.8	1685.1	1748.9	1791.9	1815.9	1785.6	1720.2	1654.9	1605.5	1605.5
65°	1497.0	1505.0	1546.4	1608.7	1650.0	1670.8	1640.5	1580.0	1508.2	1465.1	1460.4
67.5°	1337.6	1344.0	1380.6	1444.4	1489.1	1506.6	1473.1	1415.7	1348.7	1302.5	1297.7
70°	1160.6	1170.2	1197.3	1256.3	1296.2	1305.7	1280.2	1226.0	1165.4	1124.0	1120.8
72.5°	967.7	975.7	1010.8	1057.0	1088.9	1092.1	1076.1	1036.3	974.1	940.6	935.8
75°	770.0	782.8	813.1	853.0	876.8	876.8	867.3	838.6	784.4	758.9	758.9
77.5°	583.5	589.8	621.7	648.9	668.0	677.6	666.4	640.9	597.9	580.4	570.8
80°	406.6	412.9	427.3	448.0	467.1	473.5	460.8	440.0	416.1	403.4	397.0
82.5°	248.7	255.1	263.0	274.2	287.0	293.4	285.3	272.6	251.9	250.3	248.7
85°	119.6	122.8	129.1	132.3	138.7	140.3	141.9	135.5	129.1	121.1	124.3
87.5°	36.6	36.6	38.3	39.8	43.0	43.0	43.0	41.5	38.3	36.6	36.6
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)