

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: P197575

Luminaire Tested: **TT-C5-LED-E1-5CQ-PM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197575
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-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9333.7 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

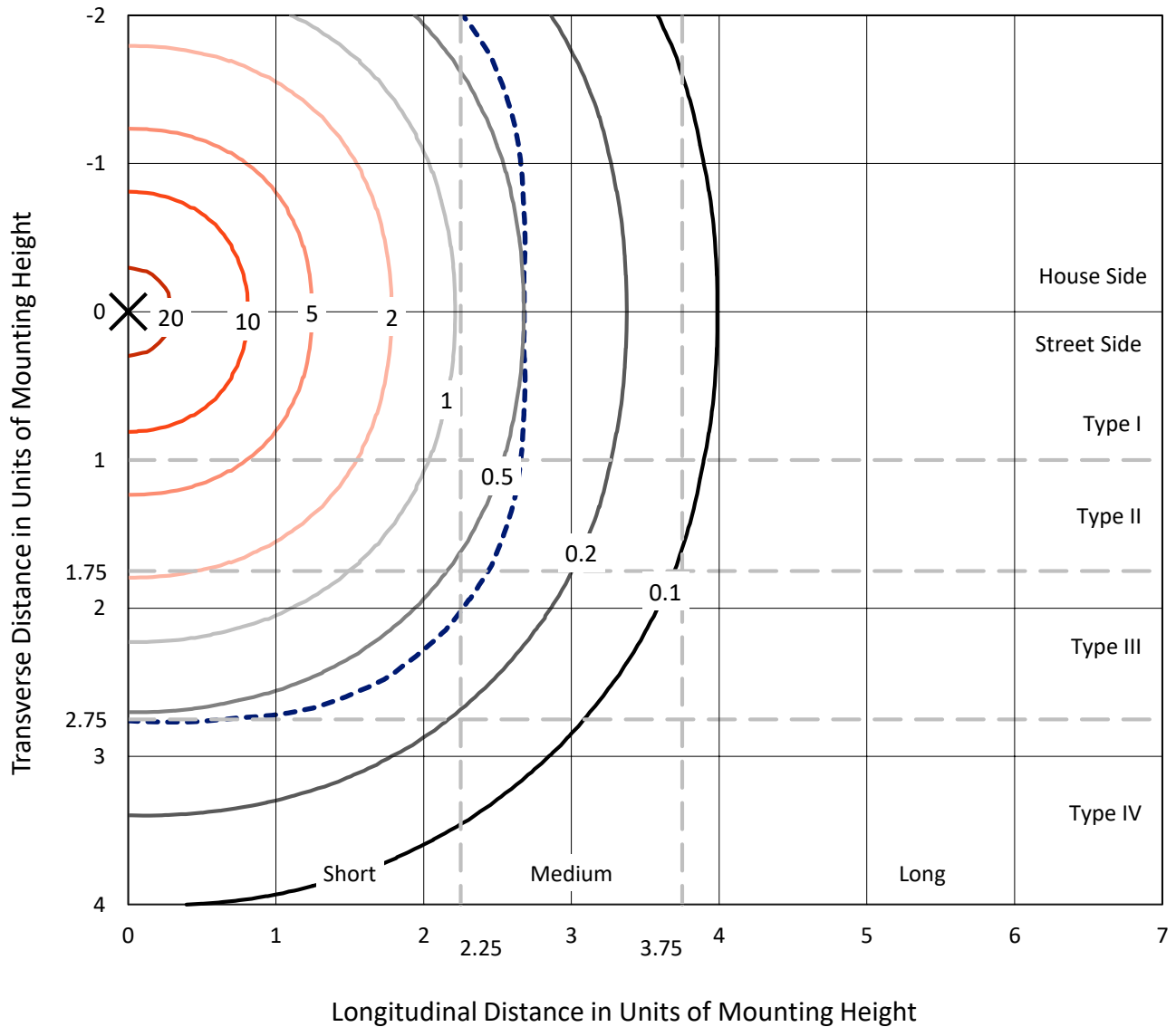
Input Watts (W): 77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

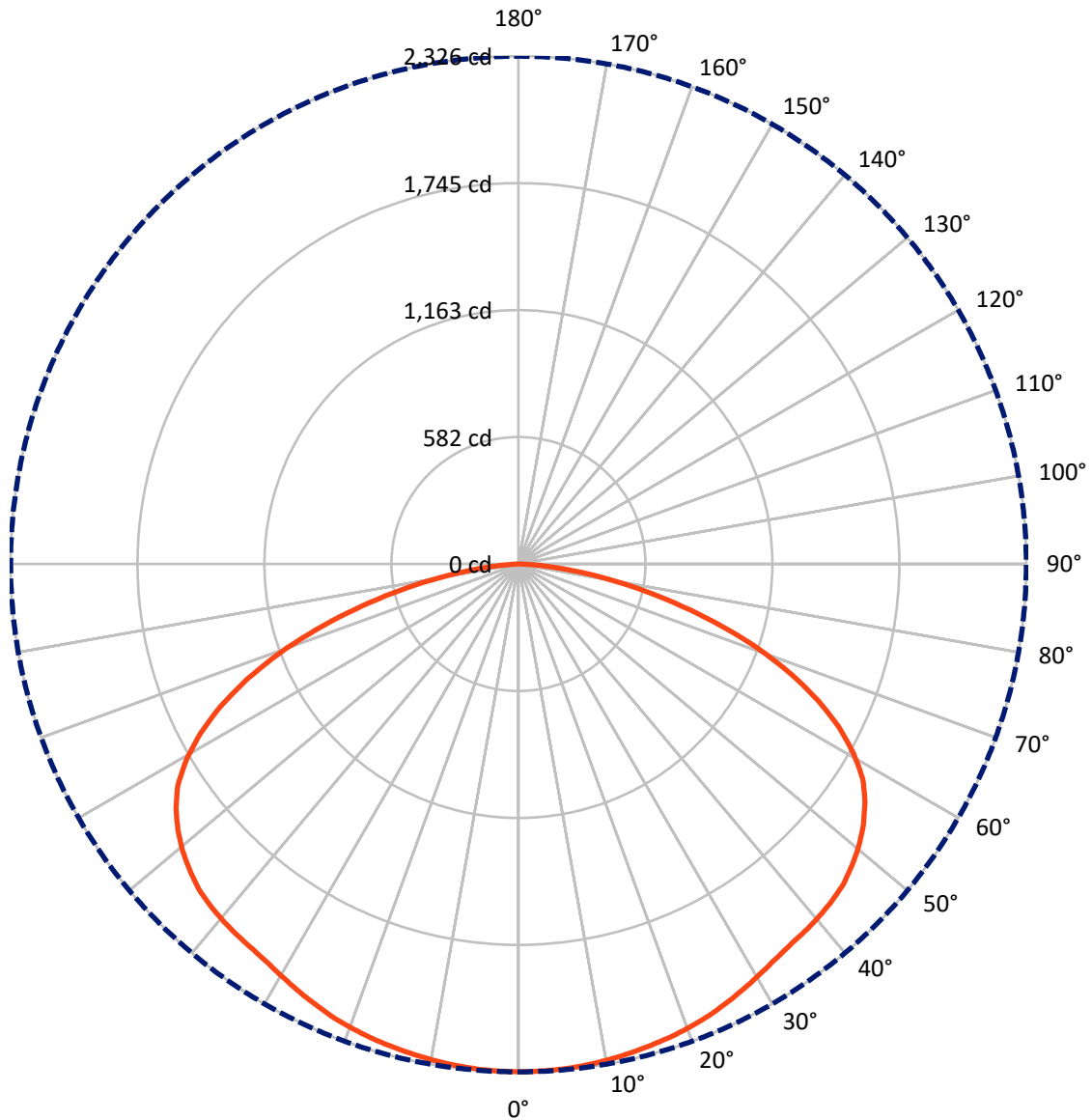
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.3 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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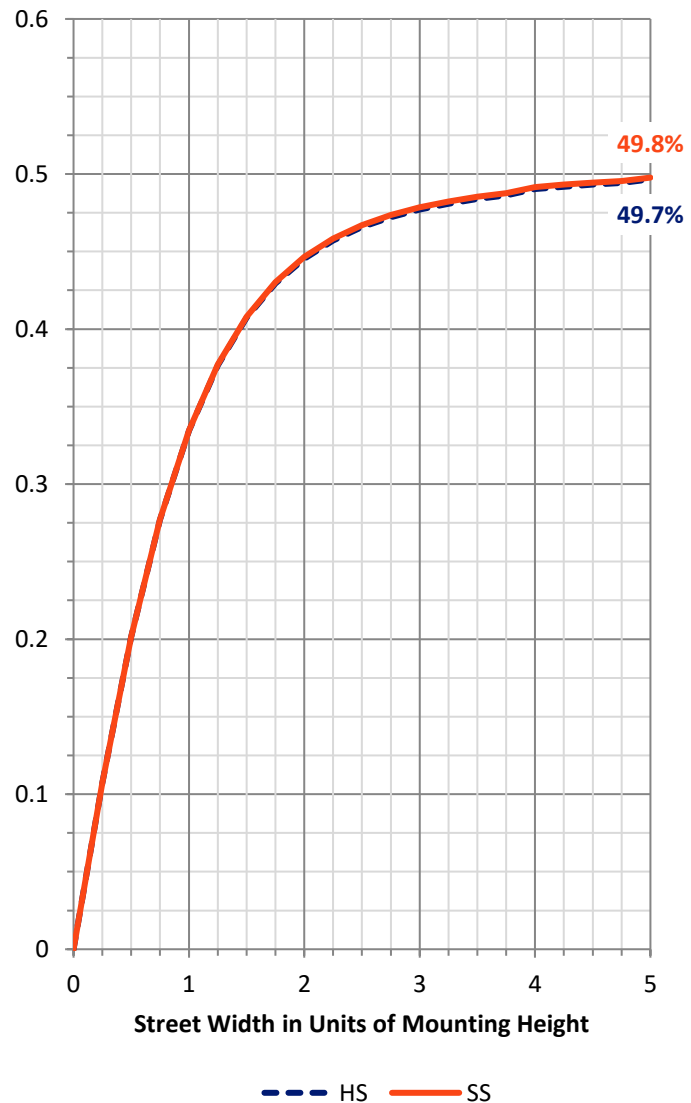
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4666.8	0.0	4666.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4666.8	0.0	4666.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9333.7	0.0	9333.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.1	2.4
10°-20°	647.3	6.9
20°-30°	1029.8	11.0
30°-40°	1361.9	14.6
40°-50°	1661.9	17.8
50°-60°	1794.8	19.2
60°-70°	1554.3	16.7
70°-80°	881.3	9.4
80°-90°	181.2	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°	9333.7	100.0
0°-180°	9333.7	100.0



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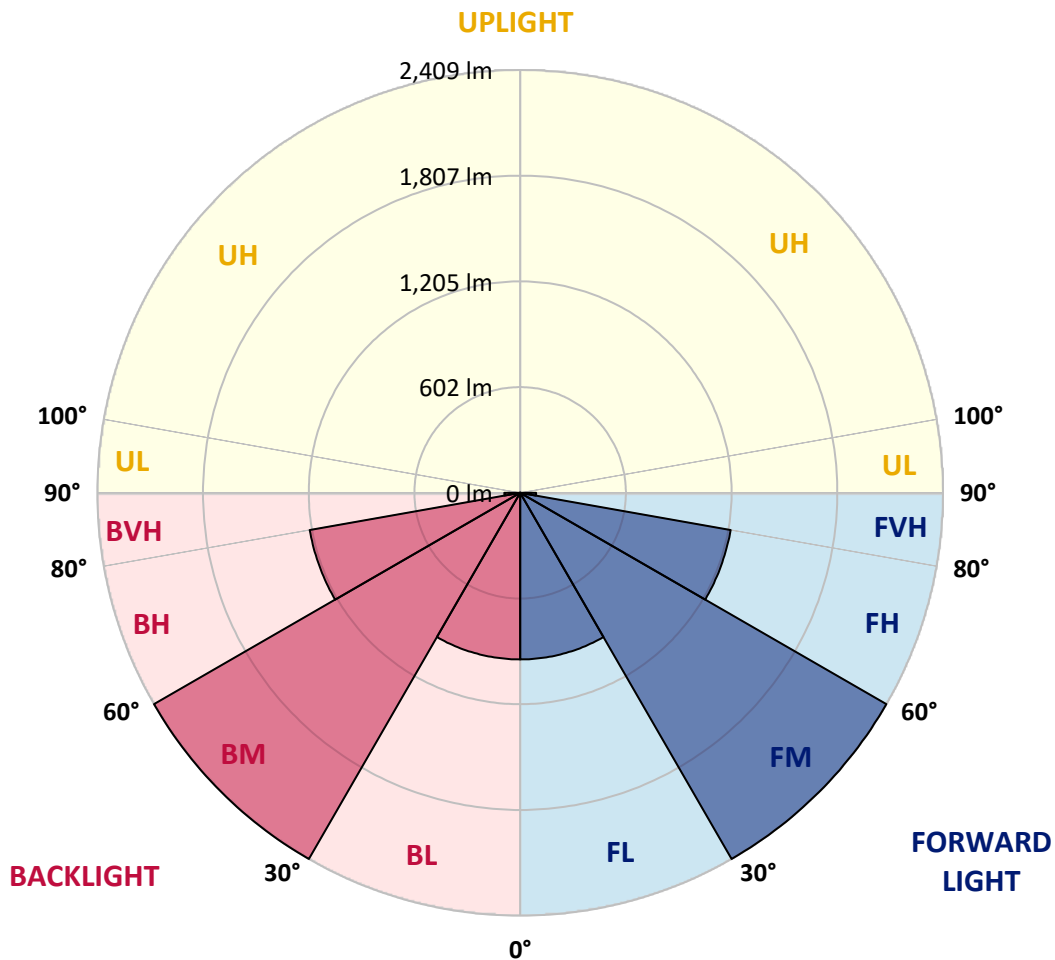
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	949.1	10.2			
FM	(30°-60°)	2409.3	25.8			
FH	(60°-80°)	1217.8	13.0			G1/1800
FVH	(80°-90°)	90.6	1.0			G1/100
BL	(0°-30°)	949.1	10.2	B2/1000		
BM	(30°-60°)	2409.3	25.8	B2/2500		
BH	(60°-80°)	1217.8	13.0	B3/2500		G1/1800
BVH	(80°-90°)	90.6	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°	2326.1	2326.1	2326.1	2326.1	2326.1	2326.1	2326.1	2326.1	2326.1	2326.1	2326.1
2.5°	2324.5	2324.5	2324.5	2324.5	2324.5	2324.5	2324.5	2324.5	2324.5	2324.5	2324.5
5°	2321.3	2321.3	2321.3	2321.3	2321.3	2321.3	2321.3	2321.3	2321.3	2321.3	2321.3
7.5°	2314.8	2314.8	2314.8	2314.8	2314.8	2316.4	2314.8	2314.8	2314.8	2314.8	2316.4
10°	2306.8	2306.8	2308.4	2308.4	2306.8	2306.8	2306.8	2306.8	2306.8	2306.8	2306.8
12.5°	2297.2	2297.2	2297.2	2297.2	2297.2	2297.2	2297.2	2297.2	2295.6	2295.6	2295.6
15°	2285.9	2285.9	2285.9	2287.5	2287.5	2287.5	2287.5	2285.9	2284.3	2282.7	2284.3
17.5°	2274.7	2274.7	2276.3	2277.9	2277.9	2277.9	2277.9	2274.7	2273.0	2271.5	2271.5
20°	2260.2	2261.8	2261.8	2263.5	2265.0	2265.0	2265.0	2263.5	2260.2	2257.0	2257.0
22.5°	2244.1	2245.8	2247.3	2249.0	2250.6	2249.0	2249.0	2247.3	2244.1	2242.6	2240.9
25°	2223.2	2223.2	2226.4	2229.7	2231.3	2231.3	2231.3	2228.1	2224.9	2223.2	2221.7
27.5°	2202.4	2202.4	2205.6	2210.4	2212.0	2213.6	2210.4	2208.8	2204.0	2200.8	2200.8
30°	2179.8	2179.8	2184.7	2191.2	2196.0	2197.5	2196.0	2189.5	2183.1	2179.8	2179.8
32.5°	2159.0	2160.6	2165.4	2175.1	2183.1	2186.3	2184.7	2176.7	2168.6	2162.3	2160.6
35°	2142.9	2144.6	2154.2	2165.4	2178.3	2183.1	2178.3	2170.3	2157.4	2147.8	2147.8
37.5°	2133.4	2133.4	2146.1	2165.4	2179.8	2186.3	2179.8	2168.6	2150.9	2138.1	2138.1
40°	2122.0	2125.2	2141.4	2165.4	2186.3	2196.0	2188.0	2171.8	2149.4	2133.4	2131.7
42.5°	2107.6	2112.4	2130.1	2162.3	2188.0	2202.4	2194.3	2175.1	2147.8	2130.1	2128.5
45°	2088.3	2090.0	2112.4	2150.9	2184.7	2204.0	2197.5	2173.5	2142.9	2122.0	2118.9
47.5°	2057.8	2061.0	2088.3	2133.4	2175.1	2196.0	2191.2	2163.8	2125.2	2101.2	2096.3
50°	2022.5	2025.7	2057.8	2109.2	2155.8	2179.8	2171.8	2138.1	2096.3	2064.2	2061.0
52.5°	1979.1	1985.6	2020.8	2078.7	2128.5	2150.9	2138.1	2094.8	2046.5	2011.3	2008.0
55°	1926.1	1932.5	1972.7	2033.7	2083.5	2101.2	2083.5	2032.1	1980.7	1940.5	1932.5
57.5°	1860.2	1865.0	1903.6	1967.9	2016.0	2030.5	2008.0	1955.0	1893.9	1850.6	1845.8
60°	1763.8	1770.3	1815.2	1874.7	1922.8	1940.5	1918.1	1853.8	1788.0	1744.6	1742.9
62.5°	1648.2	1659.4	1698.0	1762.3	1805.6	1829.7	1799.2	1733.3	1667.4	1617.7	1617.7
65°	1508.4	1516.4	1558.2	1620.8	1662.6	1683.5	1653.0	1591.9	1519.6	1476.3	1471.5
67.5°	1347.8	1354.2	1391.2	1455.4	1500.4	1518.1	1484.4	1426.5	1359.0	1312.4	1307.7
70°	1169.4	1179.1	1206.5	1265.8	1306.0	1315.7	1290.0	1235.4	1174.3	1132.5	1129.3
72.5°	975.1	983.2	1018.4	1065.0	1097.2	1100.4	1084.4	1044.2	981.5	947.8	942.9
75°	775.9	788.8	819.2	859.4	883.5	883.5	873.9	844.9	790.3	764.6	764.6
77.5°	587.9	594.4	626.5	653.8	673.1	682.7	671.5	645.8	602.4	584.7	575.0
80°	409.7	416.0	430.5	451.4	470.7	477.1	464.3	443.4	419.2	406.5	400.0
82.5°	250.6	257.0	265.0	276.3	289.1	295.6	287.6	274.7	253.8	252.2	250.6
85°	120.4	123.7	130.1	133.3	139.8	141.3	143.0	136.6	130.1	122.1	125.3
87.5°	36.9	36.9	38.6	40.1	43.4	43.4	43.4	41.8	38.6	36.9	36.9
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)