

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: P198108

Luminaire Tested: **TT-C6-LED-E1-RW-SG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34701)
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-RW-SG-LWR-LW-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8344.1 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

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



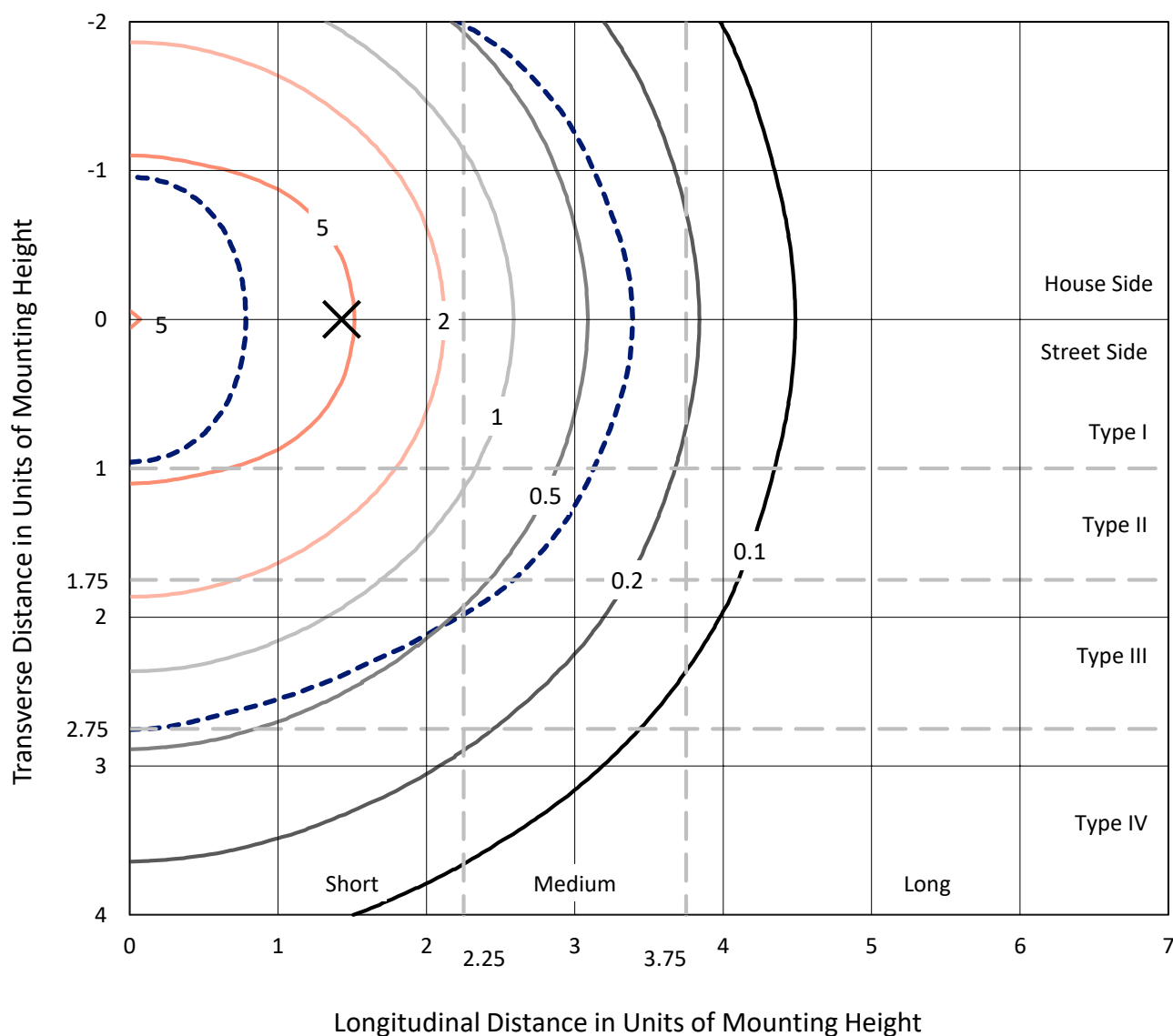
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

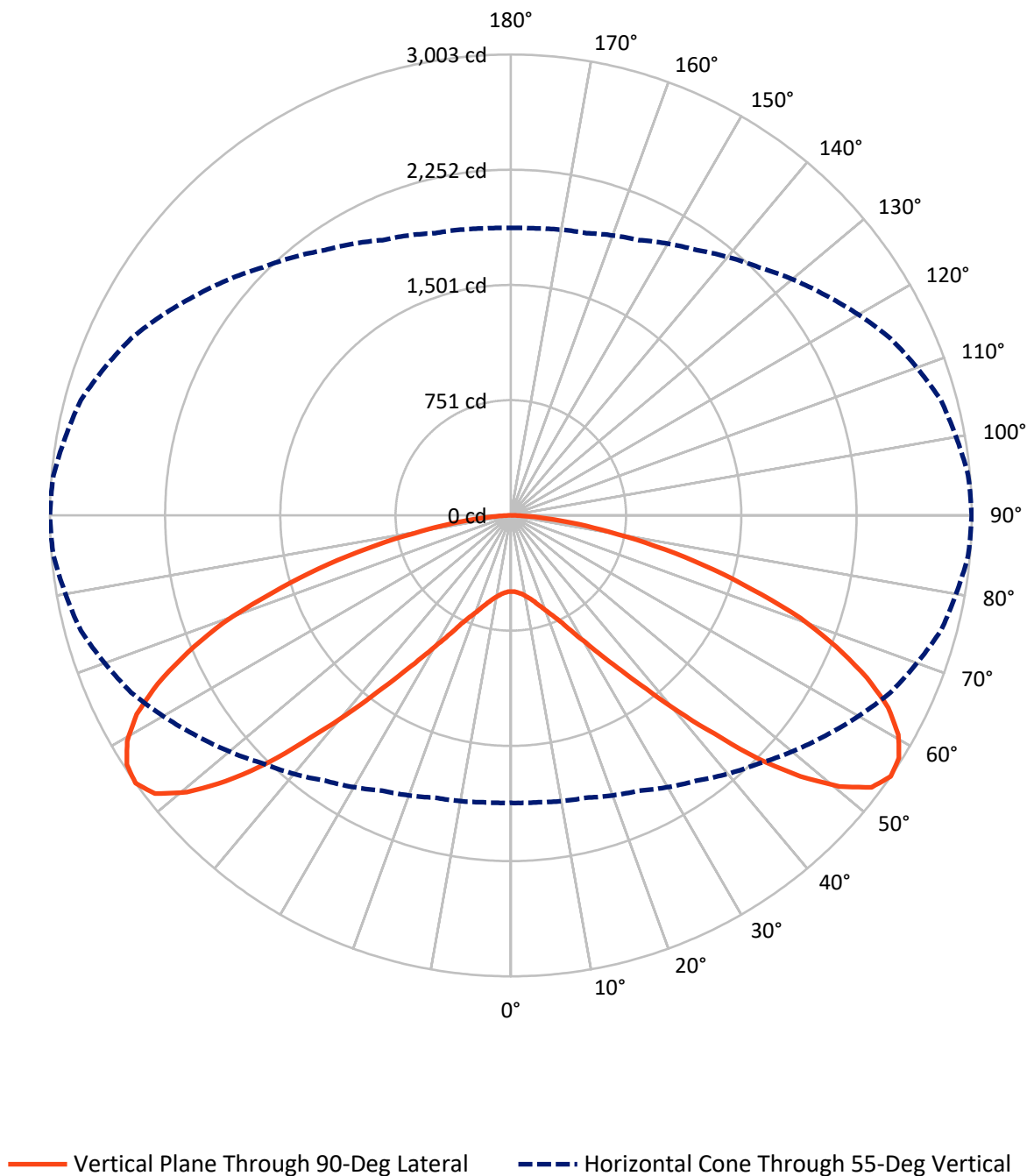


Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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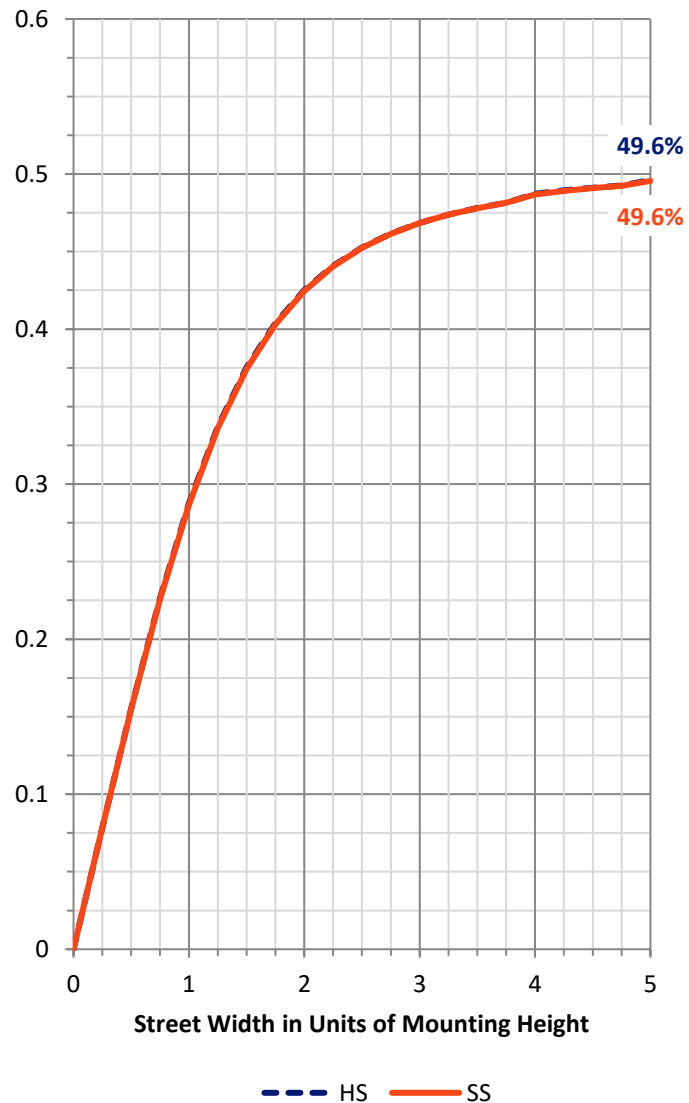
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4172.1	0.0	4172.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4172.1	0.0	4172.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8344.1	0.0	8344.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	0.6
10°-20°	170.3	2.0
20°-30°	372.1	4.5
30°-40°	748.2	9.0
40°-50°	1414.1	16.9
50°-60°	2085.9	25.0
60°-70°	2054.6	24.6
70°-80°	1196.4	14.3
80°-90°	253.3	3.0
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°	8344.1	100.0
0°-180°	8344.1	100.0

Coefficient of Utilization



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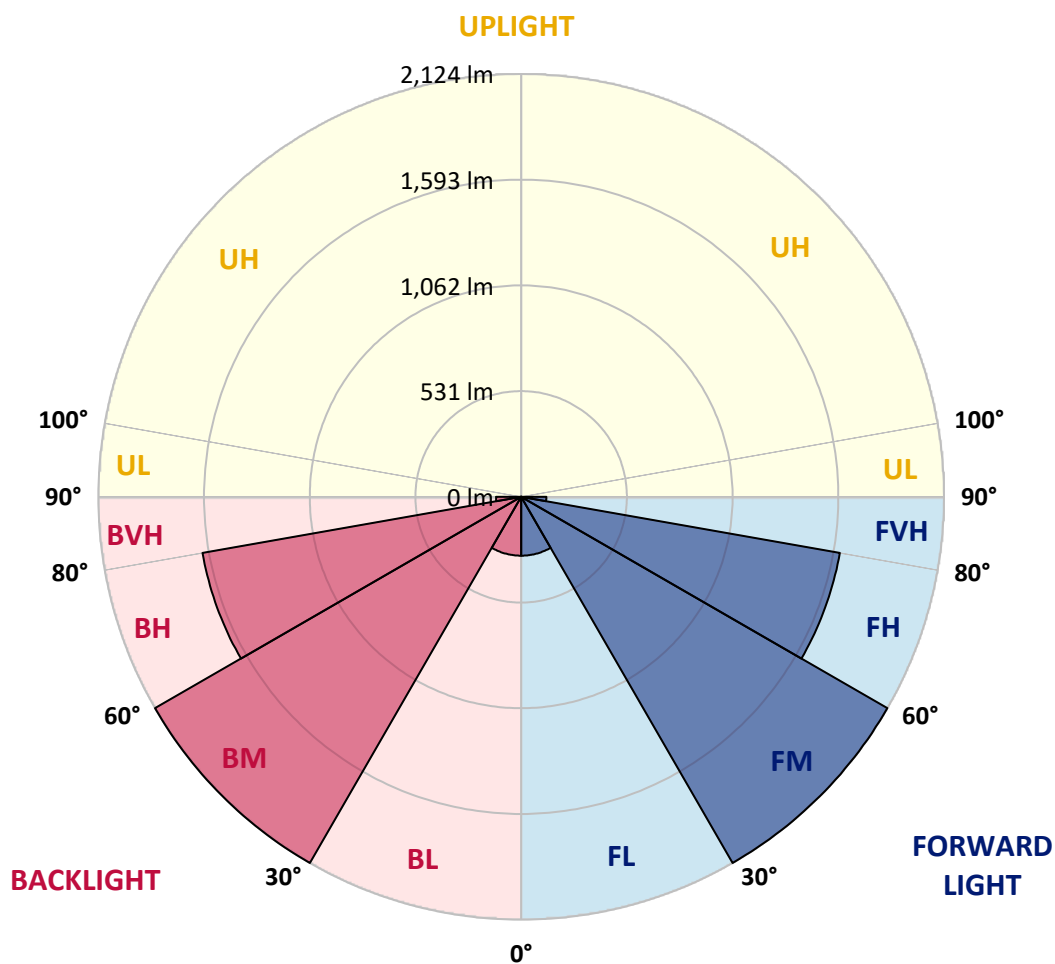
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.8	3.5			
FM	(30°-60°)	2124.1	25.5			
FH	(60°-80°)	1625.5	19.5			G1/1800
FVH	(80°-90°)	126.6	1.5			G2/225
BL	(0°-30°)	295.8	3.5	B1/500		
BM	(30°-60°)	2124.1	25.5	B2/2500		
BH	(60°-80°)	1625.5	19.5	B3/2500		G3/2500
BVH	(80°-90°)	126.6	1.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	495.6	495.6	495.6	495.6	495.6	495.6	495.6	495.6	495.6	495.6	495.6
2.5°	499.5	499.5	499.5	499.5	497.5	499.5	497.5	497.5	497.5	497.5	497.5
5°	505.2	507.2	505.2	505.2	505.2	505.2	505.2	505.2	503.3	503.3	505.2
7.5°	518.7	518.7	518.7	518.7	516.8	518.7	516.8	516.8	516.8	516.8	516.8
10°	538.0	538.0	538.0	538.0	536.1	536.1	536.1	534.2	534.2	534.2	534.2
12.5°	561.2	563.1	563.1	561.2	559.2	559.2	557.3	557.3	557.3	557.3	555.4
15°	595.9	593.9	593.9	590.1	590.1	586.2	588.2	586.2	584.3	582.4	584.3
17.5°	630.6	632.5	632.5	628.7	626.7	624.8	620.9	620.9	619.0	620.9	620.9
20°	684.6	684.6	680.7	676.9	671.1	669.2	665.3	665.3	661.4	665.3	665.3
22.5°	738.6	738.6	734.7	732.8	725.1	719.3	717.4	715.4	713.5	717.4	713.5
25°	806.1	806.1	802.2	794.5	786.8	784.9	779.1	779.1	781.0	782.9	775.2
27.5°	875.5	877.4	873.6	867.8	860.1	852.4	852.4	854.3	856.2	863.9	862.0
30°	960.3	958.4	952.6	944.9	941.1	935.3	937.2	944.9	952.6	960.3	960.3
32.5°	1047.1	1045.2	1043.3	1035.6	1033.6	1031.7	1041.3	1056.8	1072.2	1078.0	1087.6
35°	1139.7	1139.7	1137.8	1132.0	1135.8	1145.5	1160.9	1189.8	1213.0	1240.0	1240.0
37.5°	1241.9	1238.0	1240.0	1240.0	1249.6	1267.0	1303.6	1359.5	1407.7	1434.7	1434.7
40°	1348.0	1342.2	1344.1	1353.7	1371.1	1413.5	1477.2	1554.3	1631.4	1666.1	1677.7
42.5°	1450.2	1444.4	1452.1	1461.7	1504.2	1569.7	1664.2	1781.8	1891.8	1945.8	1943.8
45°	1544.7	1548.5	1558.1	1581.3	1643.0	1739.4	1874.4	2032.5	2175.2	2238.9	2262.0
47.5°	1639.1	1641.1	1654.6	1695.1	1781.8	1903.3	2067.2	2277.4	2435.6	2510.8	2539.7
50°	1727.8	1731.7	1754.8	1812.7	1914.9	2061.5	2263.9	2487.6	2661.2	2749.9	2775.0
52.5°	1806.9	1810.8	1837.8	1909.1	2030.6	2200.3	2412.4	2641.9	2825.1	2927.3	2942.7
55°	1872.5	1876.3	1903.3	1978.5	2109.7	2285.2	2501.1	2728.7	2900.3	2991.0	3002.5
57.5°	1911.0	1913.0	1941.9	2019.0	2148.2	2312.2	2520.4	2740.3	2890.7	2971.7	2981.3
60°	1913.0	1916.8	1943.8	2013.3	2132.8	2283.2	2481.9	2678.6	2815.5	2888.7	2900.3
62.5°	1878.3	1880.2	1903.3	1957.3	2059.5	2190.7	2373.9	2551.3	2674.7	2746.0	2759.5
65°	1799.2	1799.2	1810.8	1851.3	1930.3	2042.2	2198.4	2362.3	2476.1	2541.6	2549.3
67.5°	1668.1	1668.1	1670.0	1697.0	1751.0	1839.7	1972.8	2109.7	2211.9	2277.4	2287.1
70°	1500.3	1498.4	1482.9	1500.3	1535.0	1610.2	1727.8	1832.0	1914.9	1967.0	2001.7
72.5°	1288.2	1280.5	1268.9	1265.0	1299.7	1365.3	1461.7	1533.1	1579.4	1635.3	1639.1
75°	1041.3	1037.5	1022.1	1022.1	1056.8	1108.8	1186.0	1234.2	1257.3	1294.0	1301.7
77.5°	777.1	775.2	781.0	782.9	802.2	858.1	902.5	937.2	931.4	954.6	962.3
80°	543.8	547.7	547.7	545.7	565.0	586.2	634.4	644.1	636.4	644.1	644.1
82.5°	345.2	343.3	339.4	345.2	360.6	378.0	397.3	399.2	405.0	399.2	403.0
85°	173.6	171.6	175.5	177.4	185.1	194.8	212.1	216.0	206.3	206.3	202.5
87.5°	59.8	63.6	59.8	61.7	61.7	71.4	69.4	69.4	69.4	69.4	73.3
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)