

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: P198031

Luminaire Tested: **TT-C5-LED-E1-RW-CG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34697)
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-RW-CG-LWR-LW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6493.4 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

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



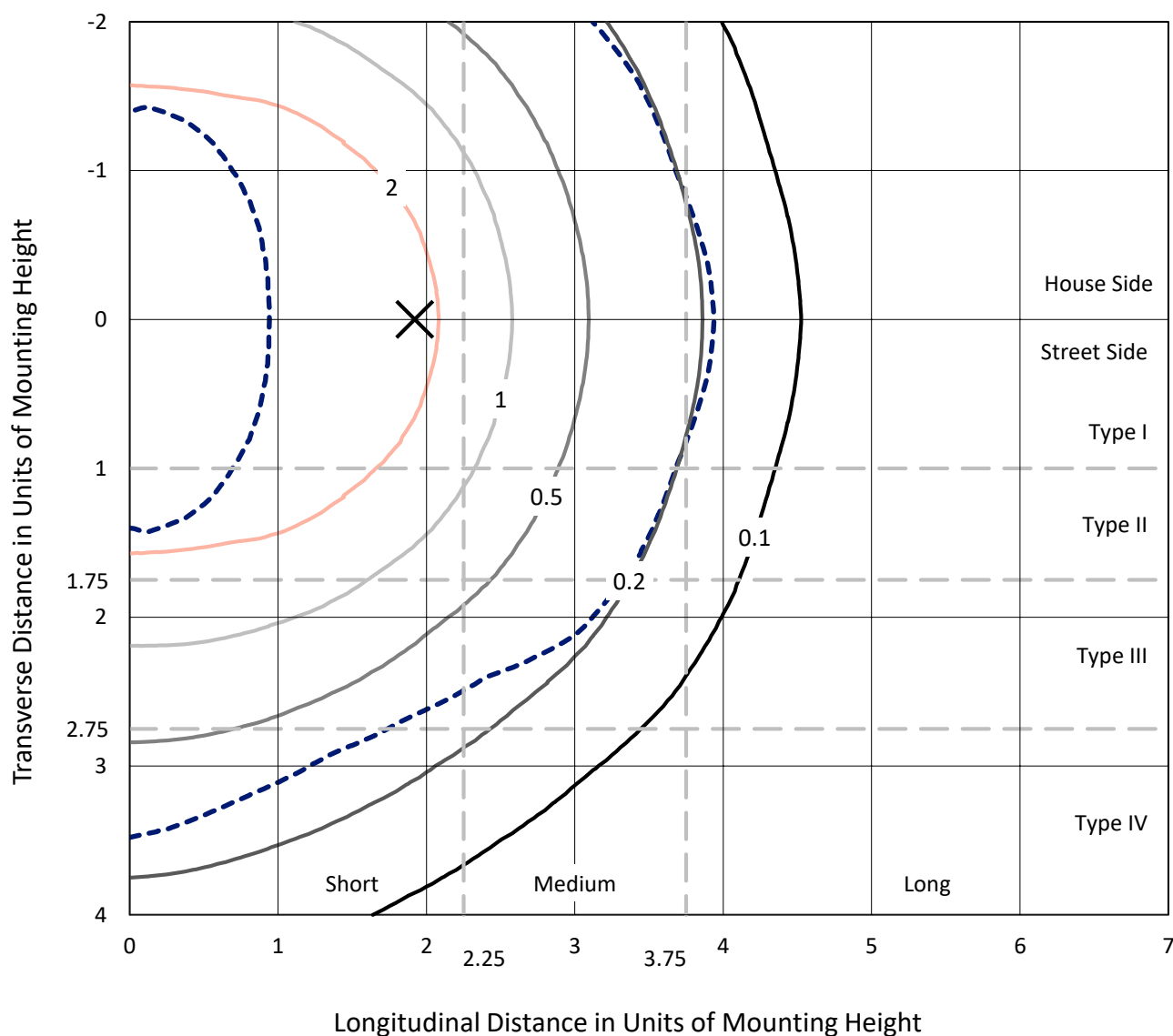
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

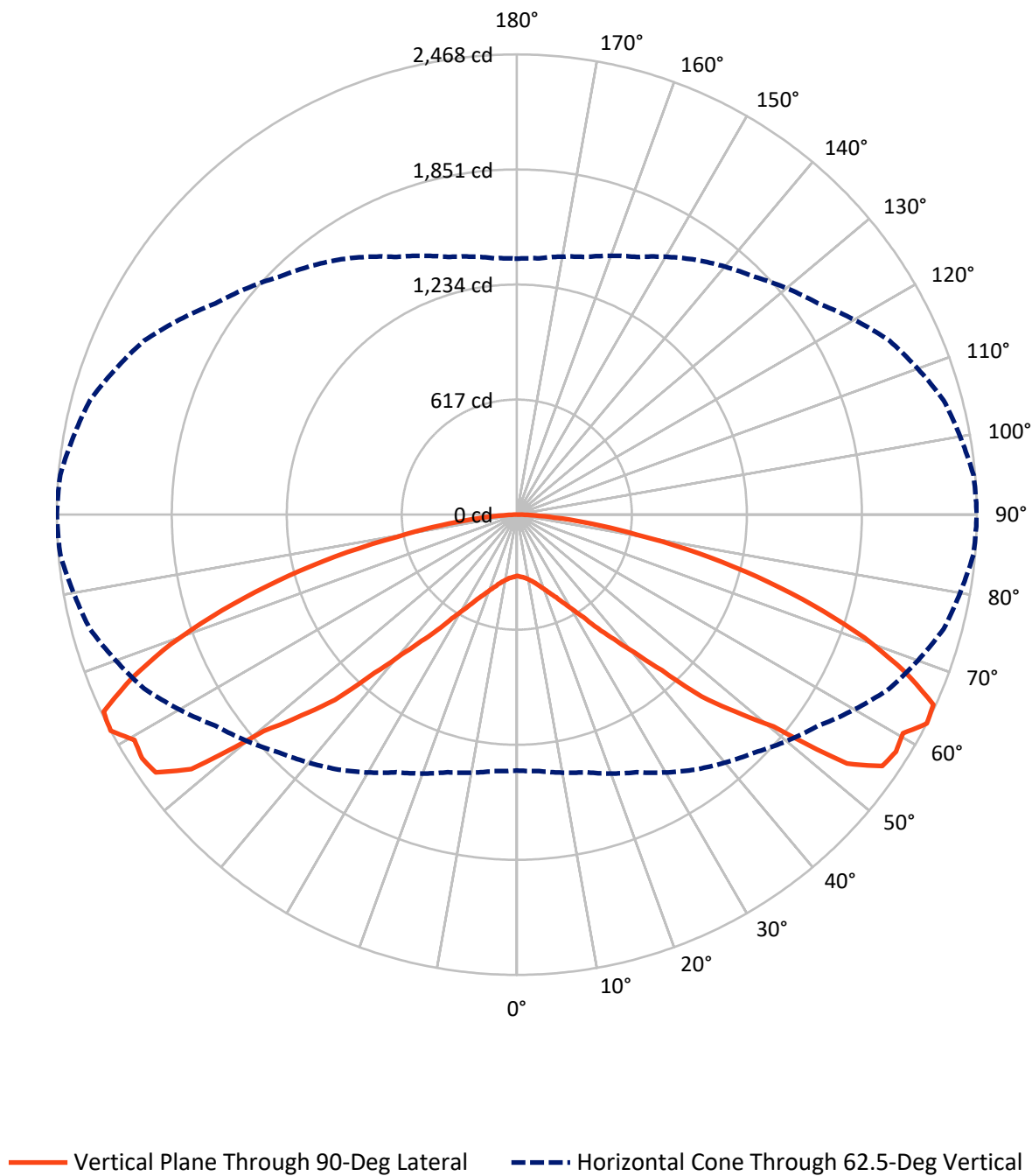


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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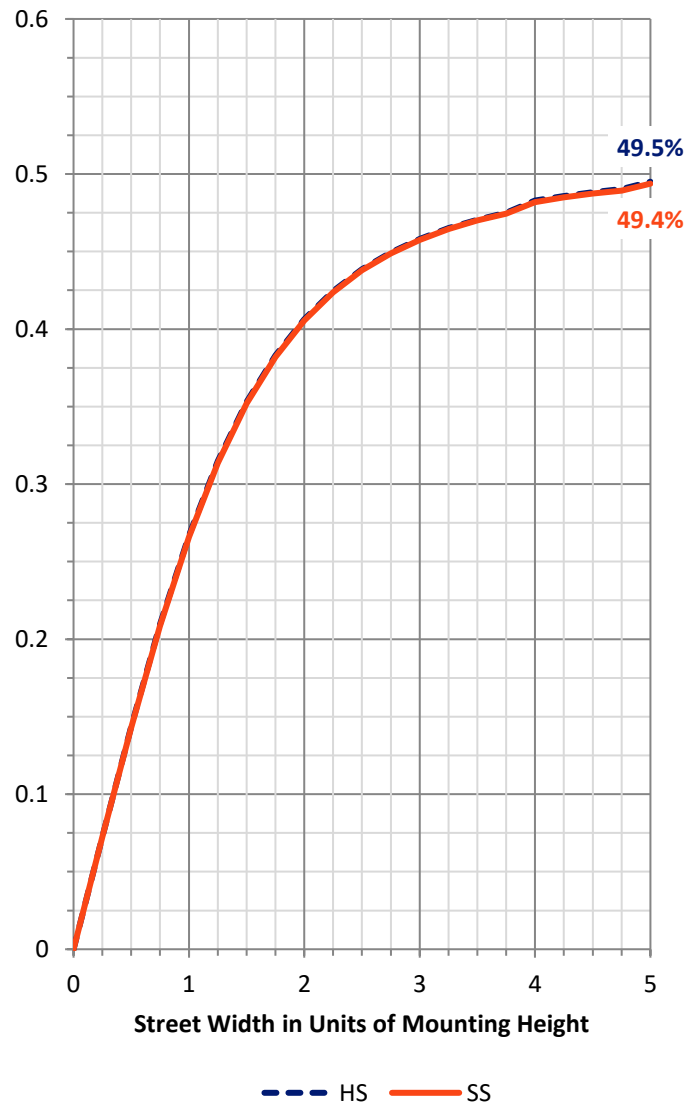
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3246.7	0.0	3246.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3246.7	0.0	3246.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6493.4	0.0	6493.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	0.5
10°-20°	111.7	1.7
20°-30°	238.8	3.7
30°-40°	464.4	7.2
40°-50°	875.6	13.5
50°-60°	1496.3	23.0
60°-70°	1801.8	27.7
70°-80°	1212.6	18.7
80°-90°	259.4	4.0
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°	6493.4	100.0
0°-180°	6493.4	100.0

Coefficient of Utilization



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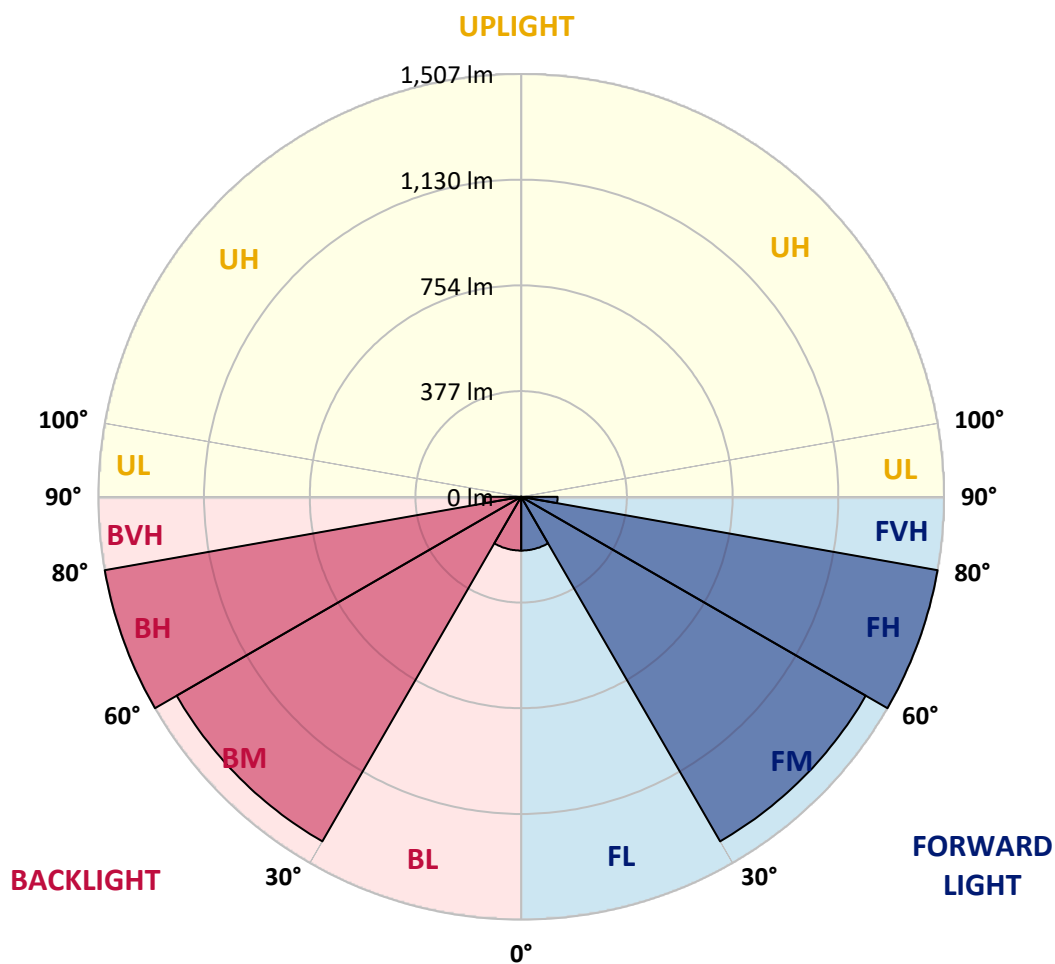
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.6	3.0			
FM	(30°-60°)	1418.1	21.8			
FH	(60°-80°)	1507.2	23.2			G1/1800
FVH	(80°-90°)	129.7	2.0			G2/225
BL	(0°-30°)	191.6	3.0	B1/500		
BM	(30°-60°)	1418.1	21.8	B2/2500		
BH	(60°-80°)	1507.2	23.2	B3/2500		G3/2500
BVH	(80°-90°)	129.7	2.0			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3
2.5°	331.4	331.4	331.4	331.4	331.4	331.4	332.9	332.9	332.9	332.9	332.9
5°	335.9	335.9	337.4	337.4	339.0	339.0	339.0	339.0	337.4	337.4	337.4
7.5°	343.5	343.5	345.0	346.6	346.6	345.0	345.0	343.5	343.5	343.5	343.5
10°	355.7	355.7	357.2	357.2	355.7	355.7	355.7	354.2	354.2	354.2	354.2
12.5°	369.4	370.9	372.4	370.9	369.4	367.8	367.8	366.3	366.3	366.3	366.3
15°	389.1	392.2	390.6	390.6	389.1	386.1	384.6	383.0	383.0	383.0	383.0
17.5°	419.5	419.5	415.0	411.9	408.9	407.4	405.8	404.3	404.3	404.3	404.3
20°	451.4	449.9	445.4	440.8	436.2	434.7	430.2	428.6	430.2	428.6	428.6
22.5°	489.4	487.9	481.8	477.3	471.2	465.1	463.6	459.0	457.5	456.0	457.5
25°	527.4	529.0	524.4	519.8	510.7	504.6	498.6	495.5	492.5	491.0	491.0
27.5°	571.5	574.6	571.5	562.4	553.3	548.7	539.6	536.6	535.0	536.6	536.6
30°	618.6	620.2	615.6	611.0	601.9	591.3	585.2	586.7	586.7	591.3	589.8
32.5°	676.4	674.9	668.8	665.8	656.6	647.5	644.5	646.0	652.1	655.1	655.1
35°	740.2	735.7	729.6	723.5	715.9	709.8	711.3	723.5	741.7	746.3	749.3
37.5°	804.1	796.5	796.5	787.3	781.3	785.8	794.9	817.7	831.4	852.7	848.1
40°	863.3	864.9	861.8	854.2	852.7	867.9	887.7	916.5	951.5	972.8	971.3
42.5°	918.1	931.7	922.6	924.1	931.7	956.1	988.0	1044.2	1114.1	1141.5	1141.5
45°	978.9	995.6	988.0	992.5	1013.8	1051.8	1120.2	1231.2	1326.9	1392.3	1392.3
47.5°	1041.2	1056.4	1053.3	1062.5	1100.5	1167.3	1272.2	1410.5	1506.3	1570.1	1579.3
50°	1120.2	1114.1	1115.7	1138.5	1203.8	1301.1	1434.9	1571.7	1729.7	1767.7	1786.0
52.5°	1188.6	1170.4	1181.0	1219.0	1313.3	1427.3	1592.9	1834.6	2053.5	2205.5	2217.6
55°	1244.9	1231.2	1252.5	1305.7	1427.3	1577.7	1793.6	2090.0	2270.8	2363.6	2380.3
57.5°	1293.5	1287.4	1322.4	1390.8	1545.8	1729.7	1948.6	2188.8	2314.9	2386.4	2398.5
60°	1337.6	1342.1	1380.1	1471.3	1638.5	1807.3	1983.6	2185.7	2311.9	2368.1	2380.3
62.5°	1372.5	1380.1	1430.3	1524.5	1668.9	1804.2	1974.5	2207.0	2371.2	2459.3	2468.4
65°	1395.3	1402.9	1459.2	1524.5	1659.8	1790.5	2030.7	2228.3	2349.9	2439.6	2456.3
67.5°	1398.4	1409.0	1442.5	1497.2	1611.2	1726.7	1933.4	2076.3	2173.6	2228.3	2243.5
70°	1380.1	1377.1	1389.3	1412.1	1480.5	1559.5	1734.3	1840.7	1910.6	1966.9	1980.5
72.5°	1310.2	1305.7	1276.8	1250.9	1276.8	1339.1	1489.6	1561.0	1608.1	1653.7	1662.9
75°	1176.5	1155.2	1083.7	1047.3	1039.7	1094.4	1209.9	1255.5	1273.7	1325.4	1331.5
77.5°	940.9	931.7	870.9	807.1	801.0	834.5	922.6	942.4	927.2	983.4	1000.1
80°	687.0	674.9	617.1	570.0	557.8	580.6	632.3	636.9	626.2	653.6	653.6
82.5°	439.3	427.1	402.8	367.8	342.0	355.7	395.2	395.2	395.2	402.8	407.4
85°	226.5	221.9	203.7	187.0	177.8	180.9	194.6	196.1	203.7	208.2	202.2
87.5°	63.8	66.9	63.8	56.2	54.7	53.2	59.3	60.8	65.4	68.4	71.4
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)