

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: P198125

Luminaire Tested: **TT-C5-LED-E1-RW-SG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34700)
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-SG-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5332.1 lumens
Efficiency: N/A
Efficacy: 69.2 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): 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



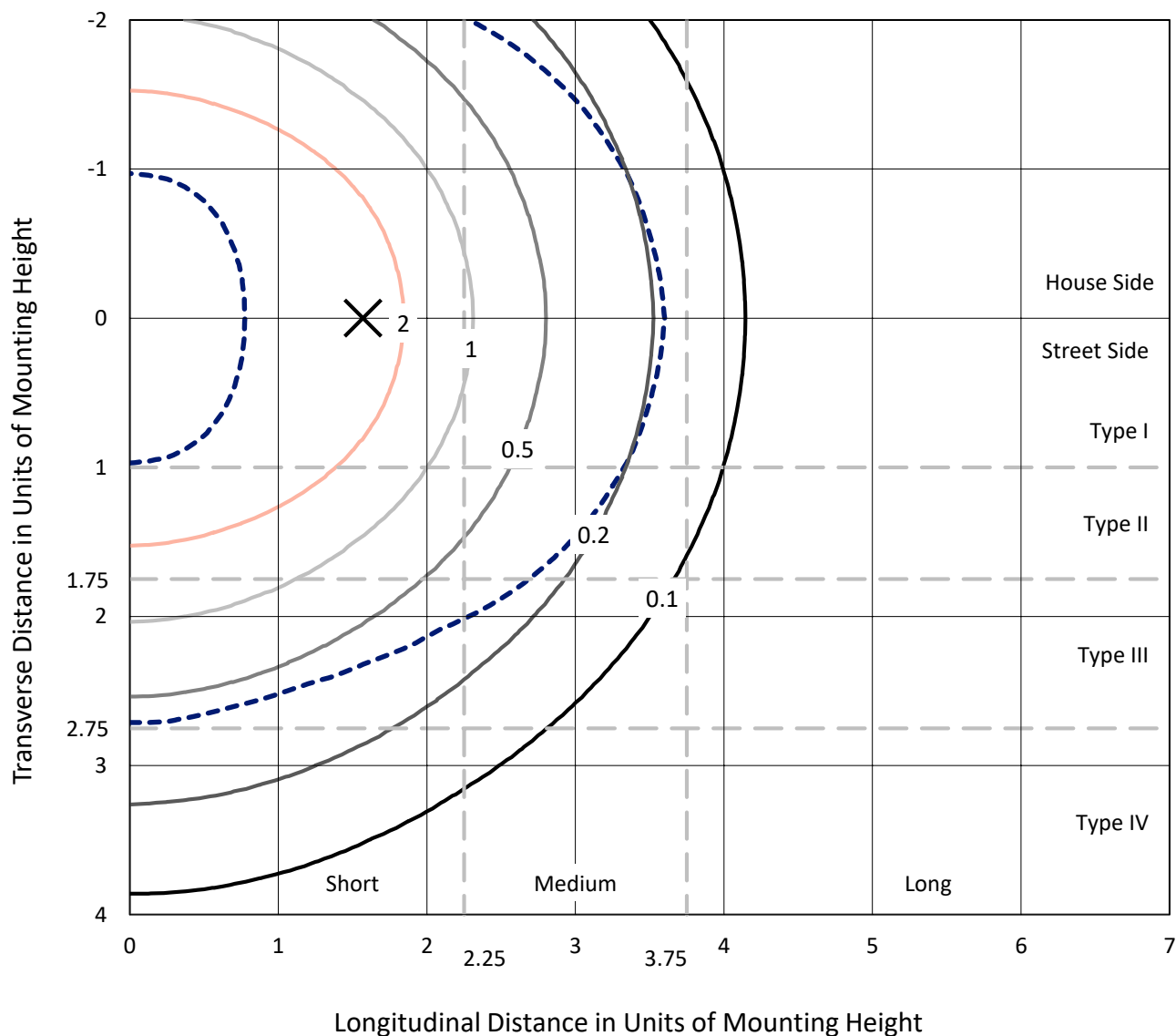
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

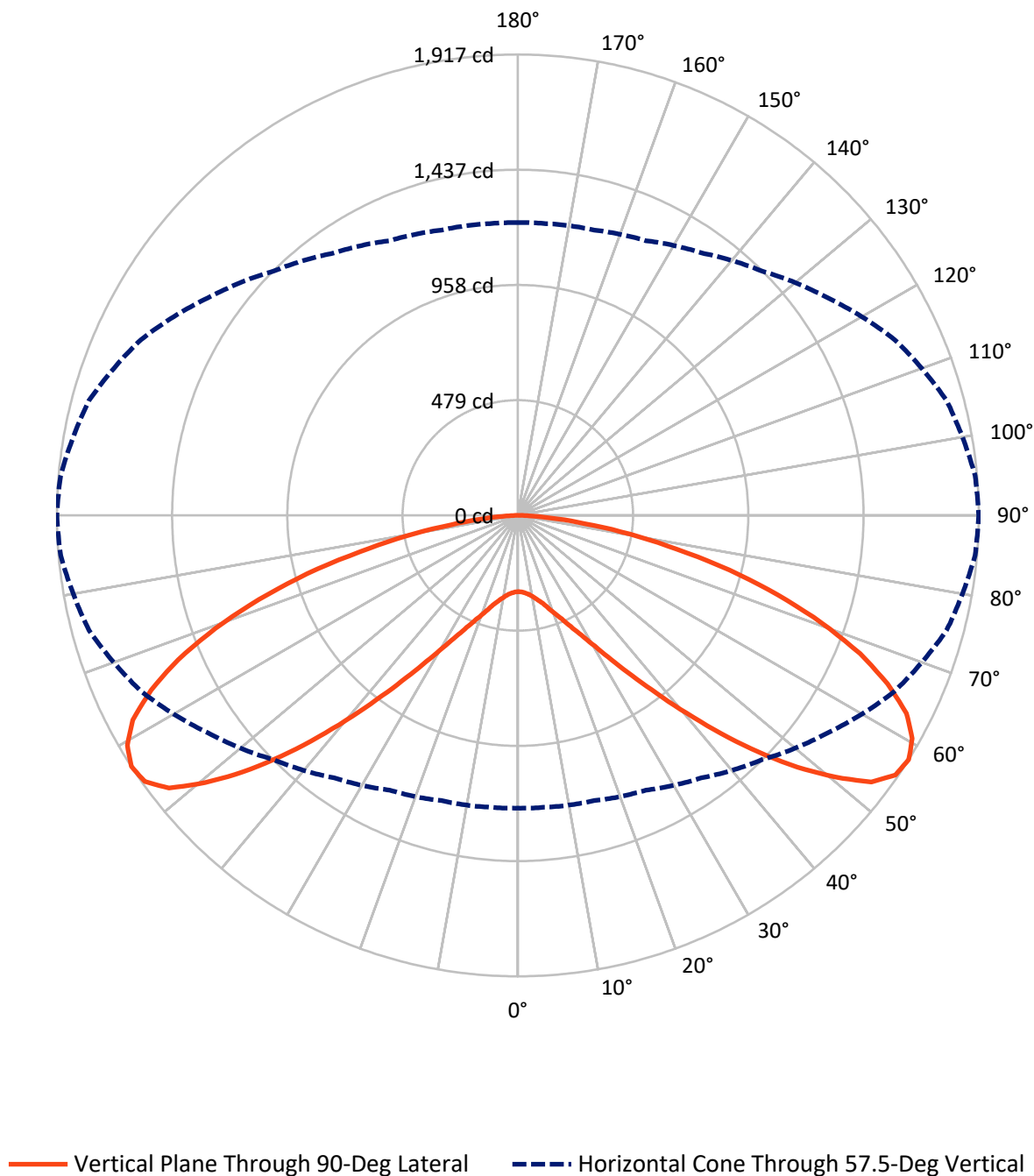


Based on 10 foot mounting height. Maximum calculated value = 5 fc
Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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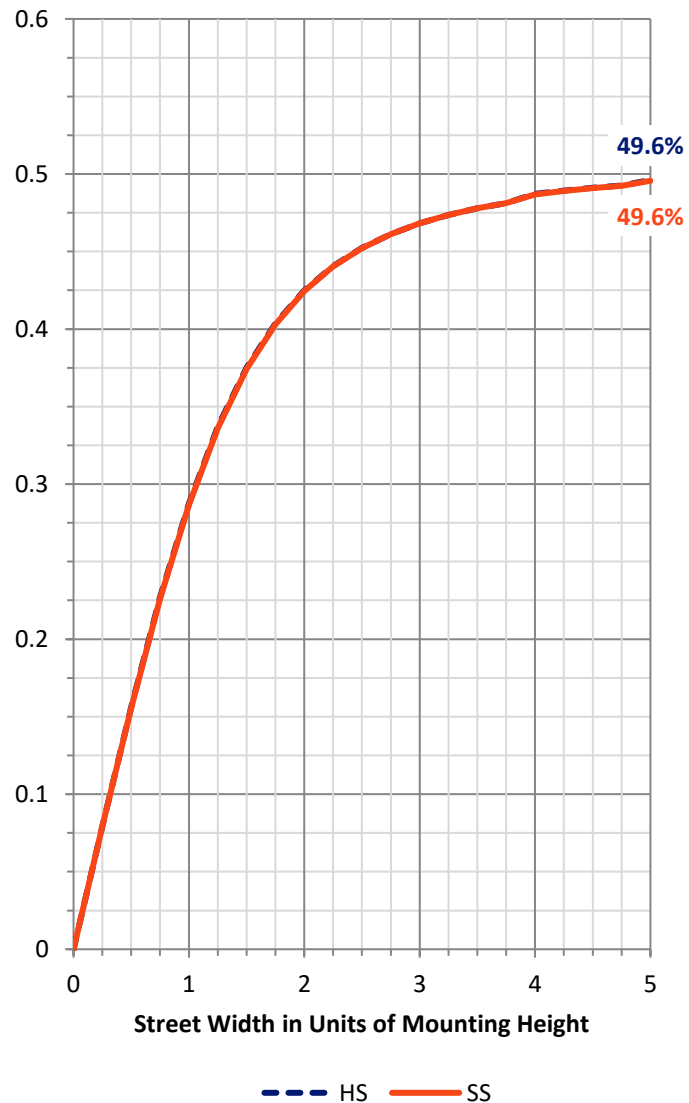
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2666.1	0.0	2666.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2666.1	0.0	2666.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5332.1	0.0	5332.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.5	0.6
10°-20°	108.9	2.0
20°-30°	237.5	4.5
30°-40°	476.8	8.9
40°-50°	890.4	16.7
50°-60°	1311.3	24.6
60°-70°	1321.1	24.8
70°-80°	788.6	14.8
80°-90°	166.2	3.1
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°	5332.1	100.0
0°-180°	5332.1	100.0

Coefficient of Utilization



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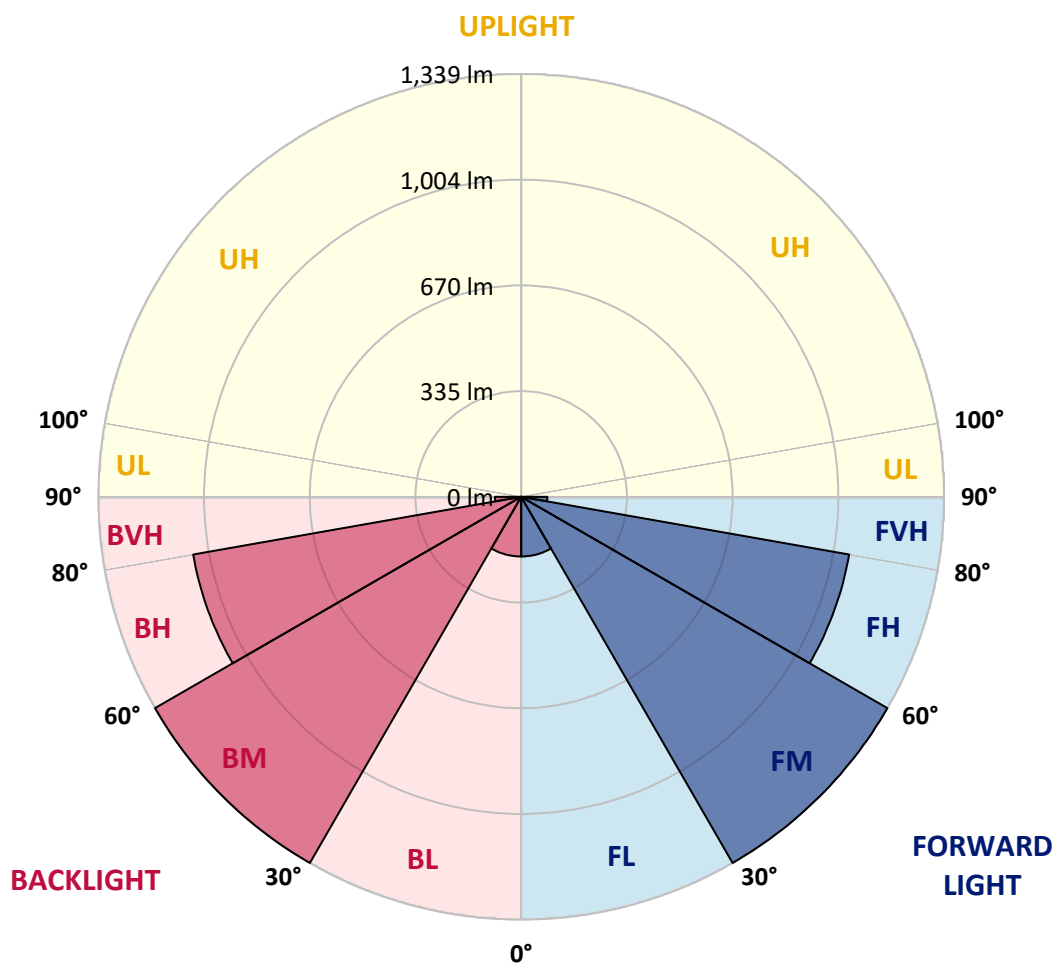
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.9	3.5			
FM	(30°-60°)	1339.2	25.1			
FH	(60°-80°)	1054.8	19.8			G1/1800
FVH	(80°-90°)	83.1	1.6			G1/100
BL	(0°-30°)	188.9	3.5	B1/500		
BM	(30°-60°)	1339.2	25.1	B2/2500		
BH	(60°-80°)	1054.8	19.8	B3/2500		G3/2500
BVH	(80°-90°)	83.1	1.6			G1/100
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°	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1
2.5°	319.4	319.4	319.4	319.4	319.4	318.3	319.4	318.3	318.3	318.3	318.3
5°	322.9	322.9	322.9	324.0	324.0	324.0	324.0	322.9	324.0	322.9	324.0
7.5°	331.0	331.0	331.0	331.0	331.0	331.0	332.1	331.0	332.1	331.0	331.0
10°	341.4	341.4	341.4	341.4	342.6	342.6	342.6	343.7	343.7	343.7	343.7
12.5°	356.4	356.4	356.4	356.4	356.4	356.4	357.6	357.6	358.8	358.8	358.8
15°	376.1	376.1	375.0	375.0	375.0	376.1	376.1	378.4	377.3	377.3	377.3
17.5°	400.4	399.3	399.3	399.3	399.3	399.3	399.3	401.6	401.6	401.6	402.7
20°	427.0	429.4	428.2	425.9	425.9	425.9	427.0	429.4	429.4	432.8	434.0
22.5°	464.1	465.2	462.9	461.8	458.3	458.3	461.8	462.9	467.5	466.4	467.5
25°	503.4	502.3	501.1	498.8	498.8	498.8	501.1	504.6	508.0	511.5	511.5
27.5°	547.4	546.2	545.1	543.9	541.6	545.1	547.4	555.5	557.8	565.9	563.6
30°	596.0	597.2	594.8	593.7	592.5	593.7	602.9	614.5	623.8	629.6	630.7
32.5°	650.4	651.6	650.4	648.1	650.4	656.2	667.8	682.8	701.3	711.7	715.2
35°	710.6	712.9	710.6	712.9	715.2	725.6	746.4	769.6	802.0	811.3	817.0
37.5°	775.4	773.1	771.9	775.4	785.8	807.8	836.7	877.2	910.8	938.6	938.6
40°	840.2	841.3	842.5	842.5	862.2	892.3	939.7	994.1	1043.9	1079.7	1080.9
42.5°	909.6	909.6	909.6	920.0	944.3	991.8	1053.1	1133.0	1201.3	1234.8	1239.5
45°	980.2	984.8	987.2	1001.1	1036.9	1097.1	1178.1	1274.2	1361.0	1406.1	1403.8
47.5°	1049.7	1055.4	1060.1	1080.9	1129.5	1194.3	1295.0	1410.7	1509.1	1560.0	1564.6
50°	1121.4	1117.9	1127.2	1152.7	1207.0	1290.4	1398.0	1531.1	1643.3	1705.8	1710.5
52.5°	1168.9	1167.7	1177.0	1203.6	1267.2	1361.0	1484.8	1636.4	1757.9	1822.7	1841.2
55°	1202.4	1201.3	1211.7	1242.9	1312.4	1411.9	1546.1	1705.8	1828.5	1895.6	1904.9
57.5°	1217.5	1218.6	1227.9	1260.3	1332.0	1436.2	1575.1	1729.0	1845.9	1908.4	1916.5
60°	1215.1	1216.3	1224.4	1255.7	1326.2	1426.9	1561.2	1705.8	1816.9	1874.8	1884.1
62.5°	1190.8	1189.7	1196.6	1223.2	1285.7	1379.5	1507.9	1644.5	1749.8	1803.0	1813.5
65°	1139.9	1138.8	1138.8	1161.9	1215.1	1295.0	1416.5	1538.0	1636.4	1687.3	1689.6
67.5°	1056.6	1056.6	1054.3	1068.2	1107.5	1185.1	1289.2	1400.3	1480.2	1527.6	1534.6
70°	944.3	946.7	938.6	946.7	979.1	1040.4	1133.0	1222.1	1284.6	1339.0	1342.4
72.5°	821.7	812.4	808.9	811.3	835.6	874.9	954.8	1030.0	1087.8	1124.9	1131.8
75°	663.1	663.1	660.8	657.3	671.2	710.6	763.8	825.1	873.7	899.2	908.5
77.5°	508.0	512.7	505.7	505.7	516.1	546.2	592.5	626.1	660.8	678.2	673.5
80°	361.1	359.9	356.4	354.1	365.7	383.1	420.1	439.8	450.2	466.4	473.3
82.5°	223.4	225.7	229.1	218.7	223.4	239.6	259.2	269.6	274.3	281.2	280.1
85°	109.9	111.1	112.3	113.4	113.4	119.2	130.8	135.4	138.9	142.3	140.0
87.5°	40.5	38.2	37.0	37.0	37.0	38.2	44.0	42.8	45.1	45.1	47.4
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)