

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: P197564

Luminaire Tested: **TT-C2-LED-E1-CQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197564
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-C2-LED-E1-CQ-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4473.3 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 34
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

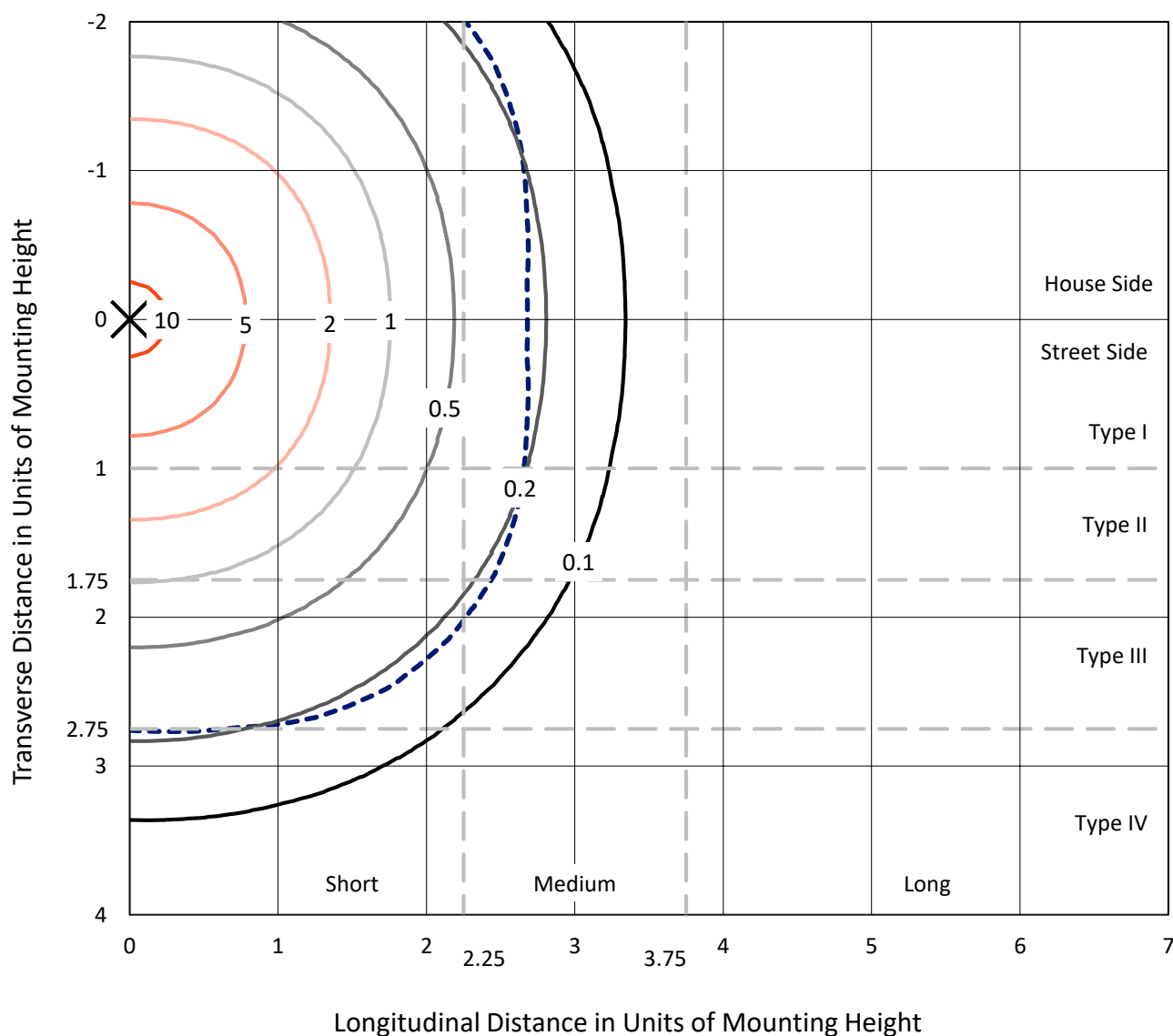


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

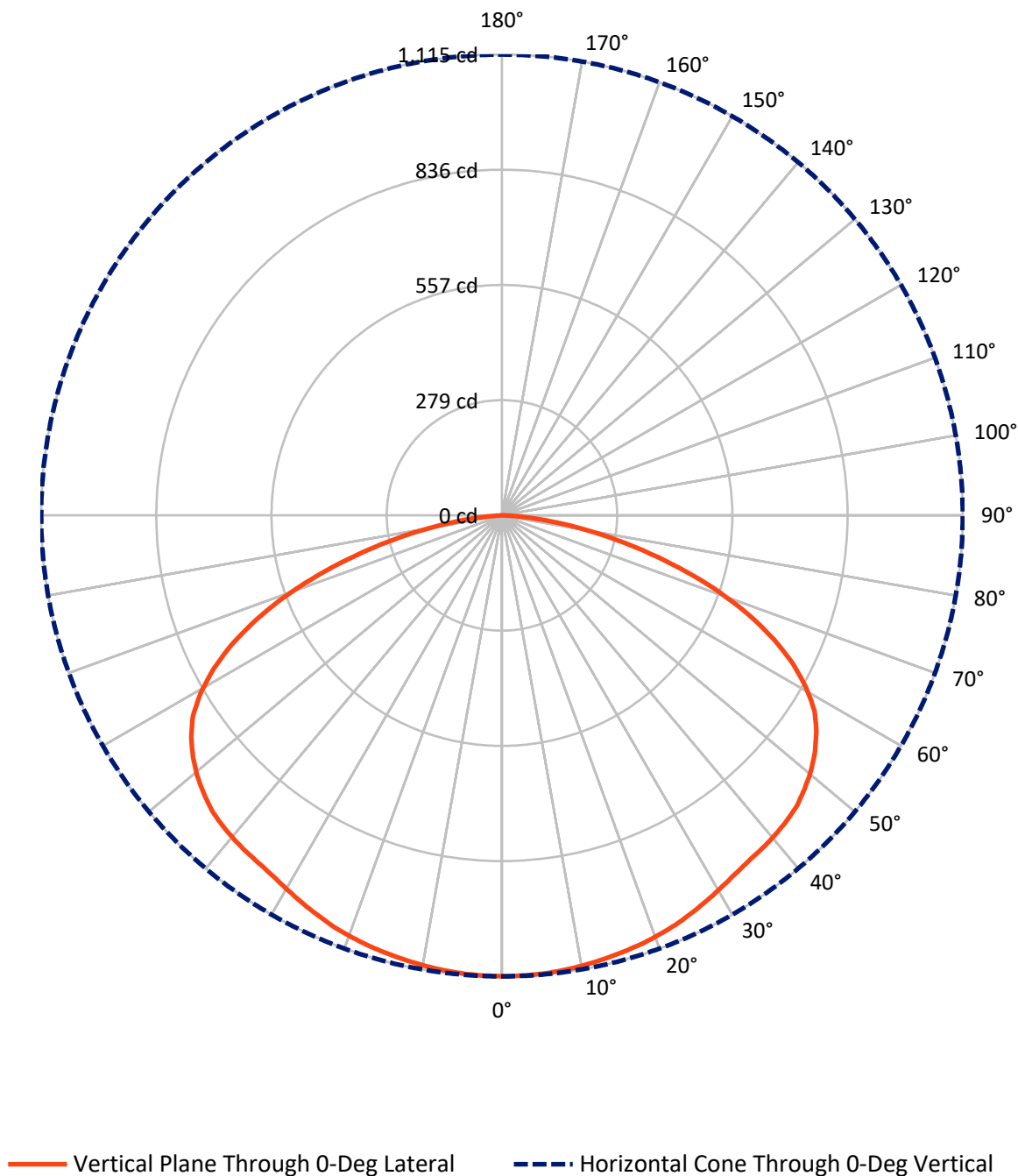


Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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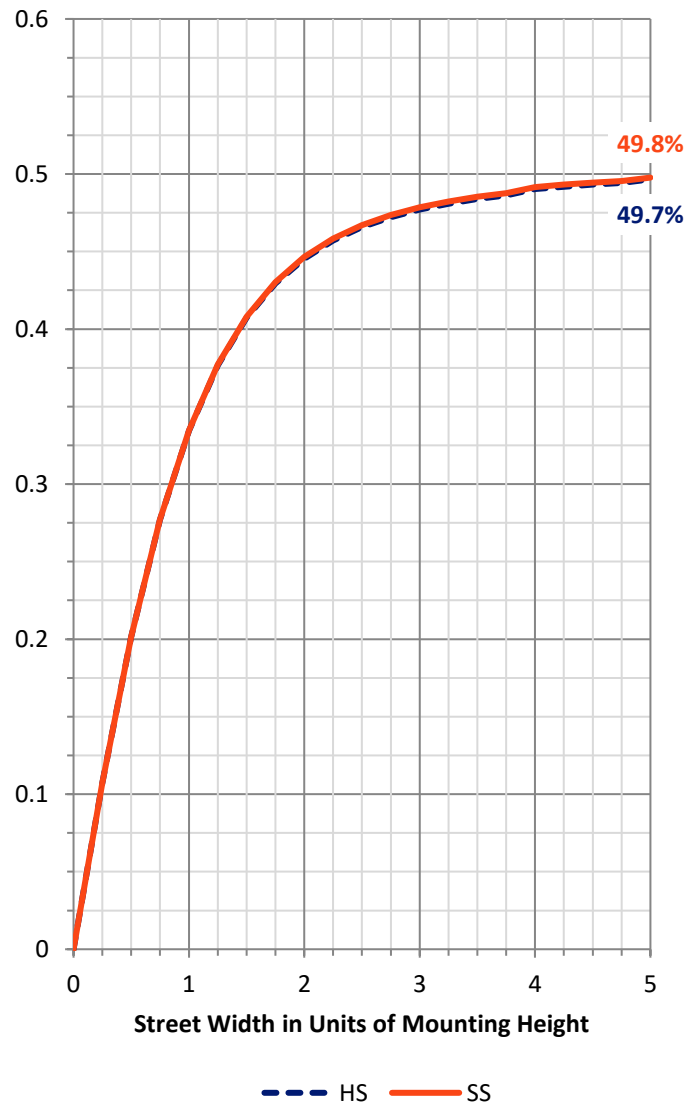
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2236.6	0.0	2236.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2236.6	0.0	2236.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4473.3	0.0	4473.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	2.4
10°-20°	310.2	6.9
20°-30°	493.5	11.0
30°-40°	652.7	14.6
40°-50°	796.5	17.8
50°-60°	860.2	19.2
60°-70°	744.9	16.7
70°-80°	422.4	9.4
80°-90°	86.9	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°	4473.3	100.0
0°-180°	4473.3	100.0

Coefficient of Utilization



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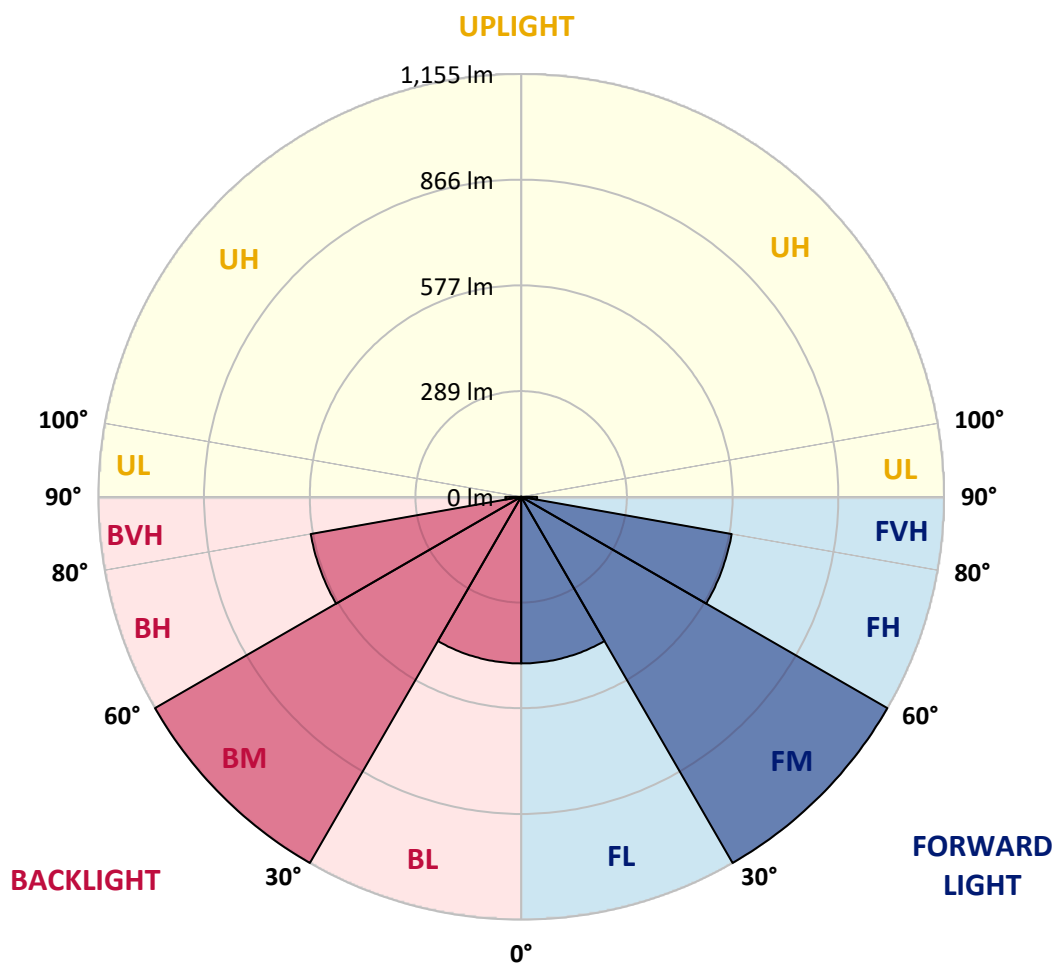
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	454.9	10.2			
FM	(30°-60°)	1154.7	25.8			
FH	(60°-80°)	583.6	13.0			G0/660
FVH	(80°-90°)	43.4	1.0			G1/100
BL	(0°-30°)	454.9	10.2	B1/500		
BM	(30°-60°)	1154.7	25.8	B2/2500		
BH	(60°-80°)	583.6	13.0	B2/1000		G0/660
BVH	(80°-90°)	43.4	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1114.8	1114.8	1114.8	1114.8	1114.8	1114.8	1114.8	1114.8	1114.8	1114.8	1114.8
2.5°	1114.0	1114.0	1114.0	1114.0	1114.0	1114.0	1114.0	1114.0	1114.0	1114.0	1114.0
5°	1112.5	1112.5	1112.5	1112.5	1112.5	1112.5	1112.5	1112.5	1112.5	1112.5	1112.5
7.5°	1109.4	1109.4	1109.4	1109.4	1109.4	1110.2	1109.4	1109.4	1109.4	1109.4	1110.2
10°	1105.6	1105.6	1106.3	1106.3	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6
12.5°	1100.9	1100.9	1100.9	1100.9	1100.9	1100.9	1100.9	1100.9	1100.2	1100.2	1100.2
15°	1095.6	1095.6	1095.6	1096.3	1096.3	1096.3	1096.3	1095.6	1094.8	1094.0	1094.8
17.5°	1090.2	1090.2	1090.9	1091.7	1091.7	1091.7	1091.7	1090.2	1089.4	1088.6	1088.6
20°	1083.2	1084.0	1084.0	1084.8	1085.5	1085.5	1085.5	1084.8	1083.2	1081.7	1081.7
22.5°	1075.5	1076.3	1077.1	1077.8	1078.6	1077.8	1077.8	1077.1	1075.5	1074.8	1074.0
25°	1065.5	1065.5	1067.1	1068.6	1069.4	1069.4	1069.4	1067.8	1066.3	1065.5	1064.8
27.5°	1055.5	1055.5	1057.1	1059.4	1060.1	1060.9	1059.4	1058.6	1056.3	1054.8	1054.8
30°	1044.7	1044.7	1047.1	1050.1	1052.4	1053.2	1052.4	1049.4	1046.3	1044.7	1044.7
32.5°	1034.7	1035.5	1037.8	1042.4	1046.3	1047.8	1047.1	1043.2	1039.4	1036.3	1035.5
35°	1027.0	1027.8	1032.4	1037.8	1044.0	1046.3	1044.0	1040.1	1034.0	1029.3	1029.3
37.5°	1022.4	1022.4	1028.6	1037.8	1044.7	1047.8	1044.7	1039.4	1030.9	1024.7	1024.7
40°	1017.0	1018.6	1026.3	1037.8	1047.8	1052.4	1048.6	1040.9	1030.1	1022.4	1021.6
42.5°	1010.1	1012.4	1020.9	1036.3	1048.6	1055.5	1051.7	1042.4	1029.3	1020.9	1020.1
45°	1000.9	1001.6	1012.4	1030.9	1047.1	1056.3	1053.2	1041.7	1027.0	1017.0	1015.5
47.5°	986.2	987.8	1000.9	1022.4	1042.4	1052.4	1050.1	1037.0	1018.6	1007.0	1004.7
50°	969.3	970.8	986.2	1010.9	1033.2	1044.7	1040.9	1024.7	1004.7	989.3	987.8
52.5°	948.5	951.6	968.5	996.2	1020.1	1030.9	1024.7	1003.9	980.8	963.9	962.4
55°	923.1	926.2	945.4	974.7	998.5	1007.0	998.5	973.9	949.3	930.0	926.2
57.5°	891.5	893.8	912.3	943.1	966.2	973.1	962.4	937.0	907.7	886.9	884.6
60°	845.3	848.4	870.0	898.5	921.6	930.0	919.3	888.5	856.9	836.1	835.3
62.5°	789.9	795.3	813.8	844.6	865.4	876.9	862.3	830.7	799.1	775.3	775.3
65°	722.9	726.8	746.8	776.8	796.8	806.8	792.2	763.0	728.3	707.5	705.2
67.5°	645.9	649.0	666.7	697.5	719.1	727.5	711.4	683.7	651.3	629.0	626.7
70°	560.5	565.1	578.2	606.7	625.9	630.5	618.2	592.0	562.8	542.8	541.2
72.5°	467.3	471.2	488.1	510.4	525.8	527.4	519.7	500.4	470.4	454.2	451.9
75°	371.9	378.0	392.6	411.9	423.4	423.4	418.8	405.0	378.8	366.5	366.5
77.5°	281.8	284.9	300.3	313.3	322.6	327.2	321.8	309.5	288.7	280.2	275.6
80°	196.3	199.4	206.3	216.3	225.6	228.7	222.5	212.5	200.9	194.8	191.7
82.5°	120.1	123.2	127.0	132.4	138.6	141.7	137.8	131.7	121.6	120.9	120.1
85°	57.7	59.3	62.4	63.9	67.0	67.8	68.5	65.4	62.4	58.5	60.1
87.5°	17.7	17.7	18.5	19.2	20.8	20.8	20.8	20.0	18.5	17.7	17.7
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)