

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: P197637

Luminaire Tested: **TT-C3-LED-E1-MQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33410)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-MQ-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5356.7 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 45
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



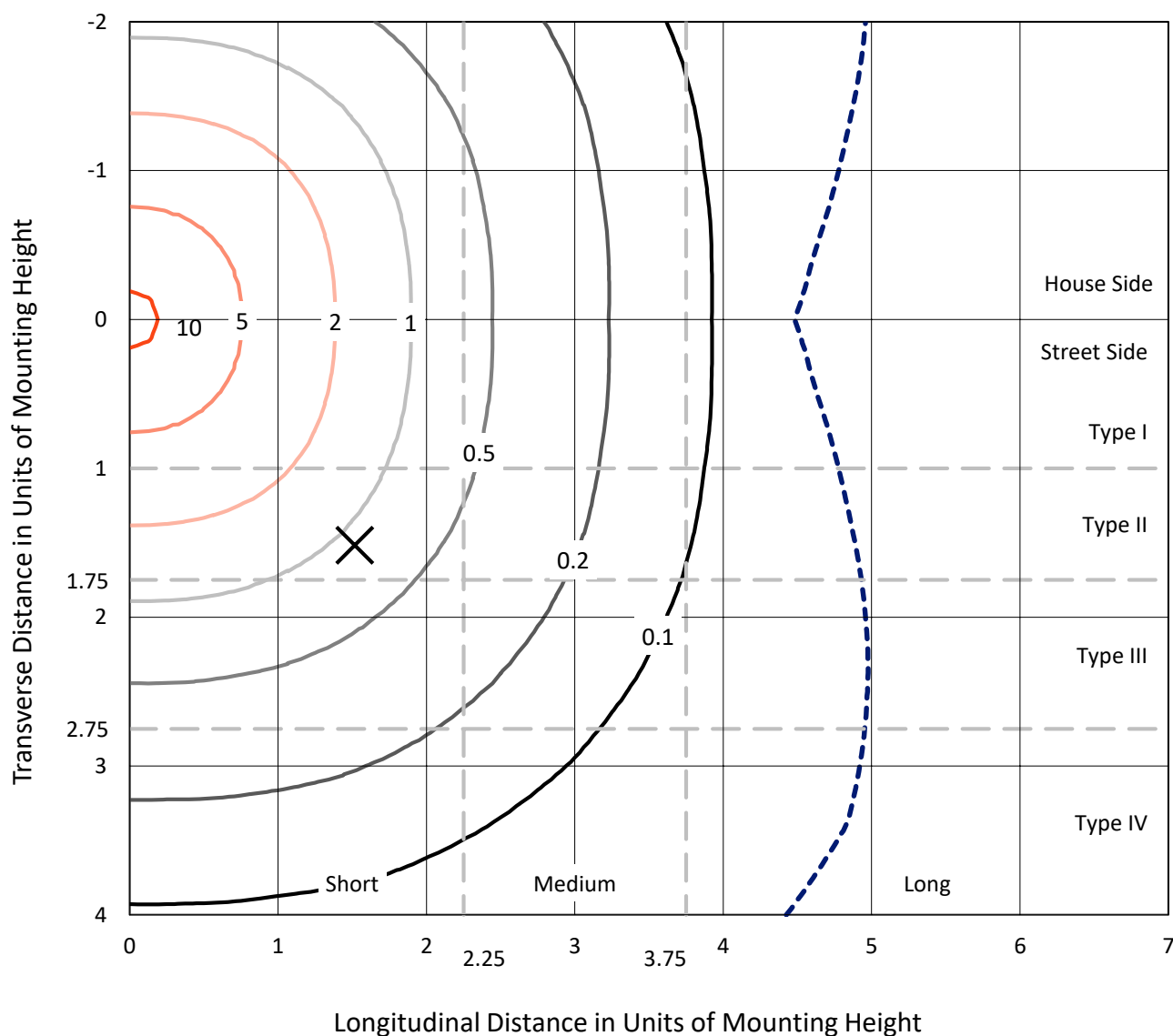
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

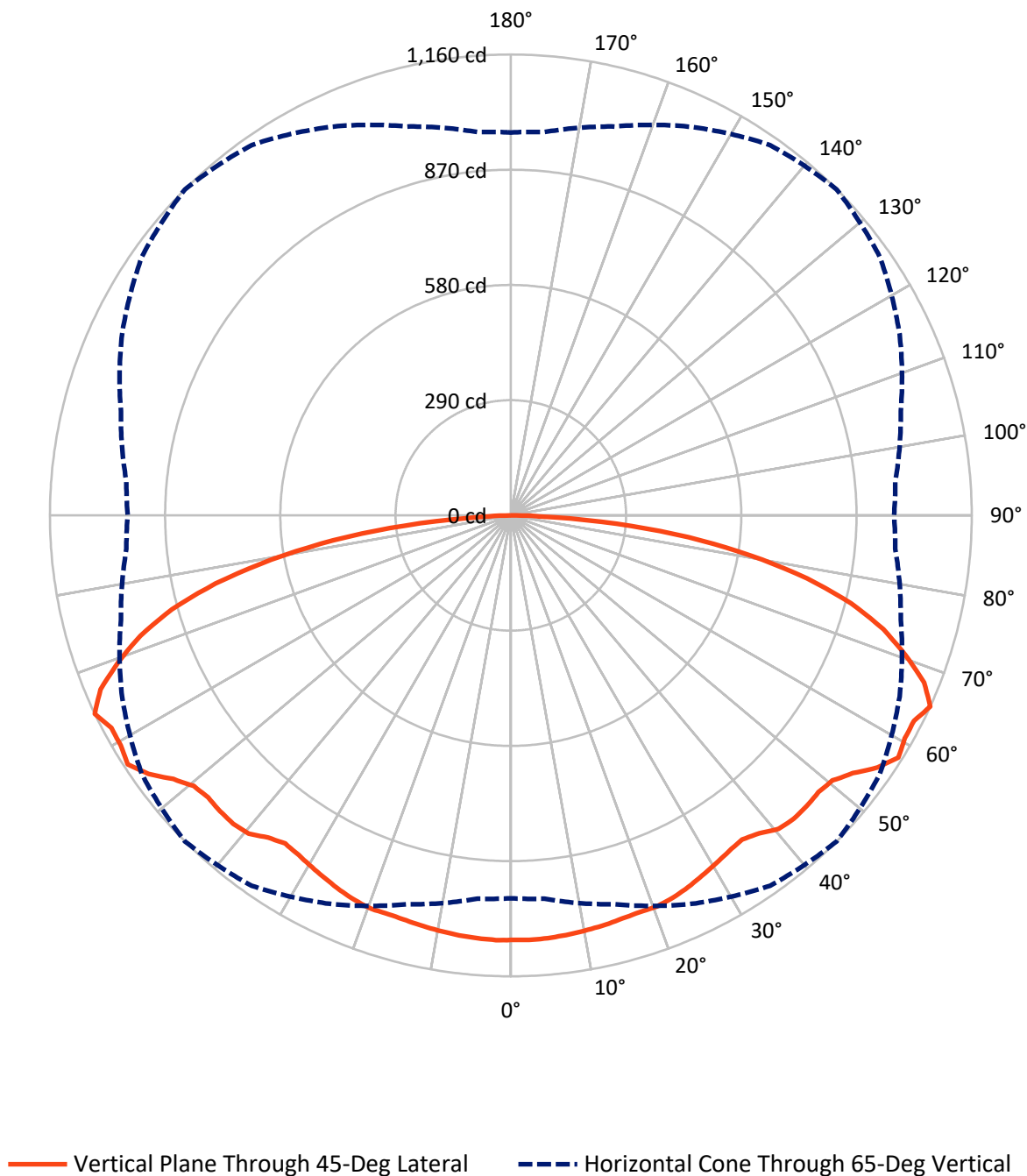


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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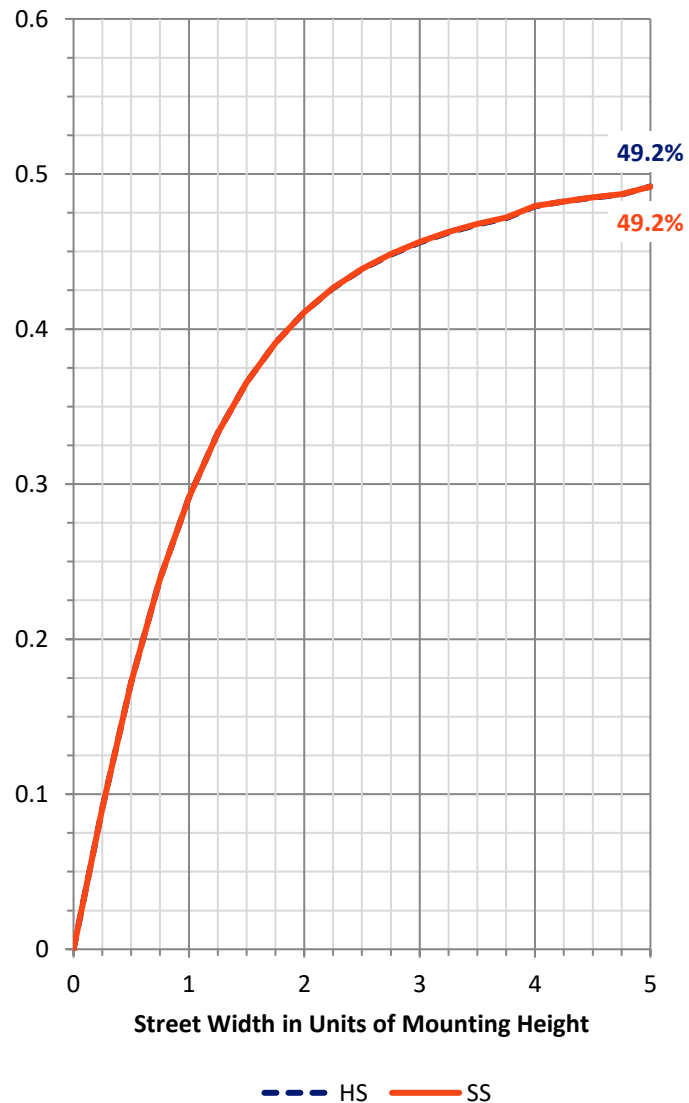
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2678.3	0.0	2678.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2678.3	0.0	2678.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5356.7	0.0	5356.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	1.9
10°-20°	298.4	5.6
20°-30°	477.4	8.9
30°-40°	630.6	11.8
40°-50°	788.3	14.7
50°-60°	946.3	17.7
60°-70°	1034.4	19.3
70°-80°	821.9	15.3
80°-90°	257.7	4.8
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°	5356.7	100.0
0°-180°	5356.7	100.0

Coefficient of Utilization



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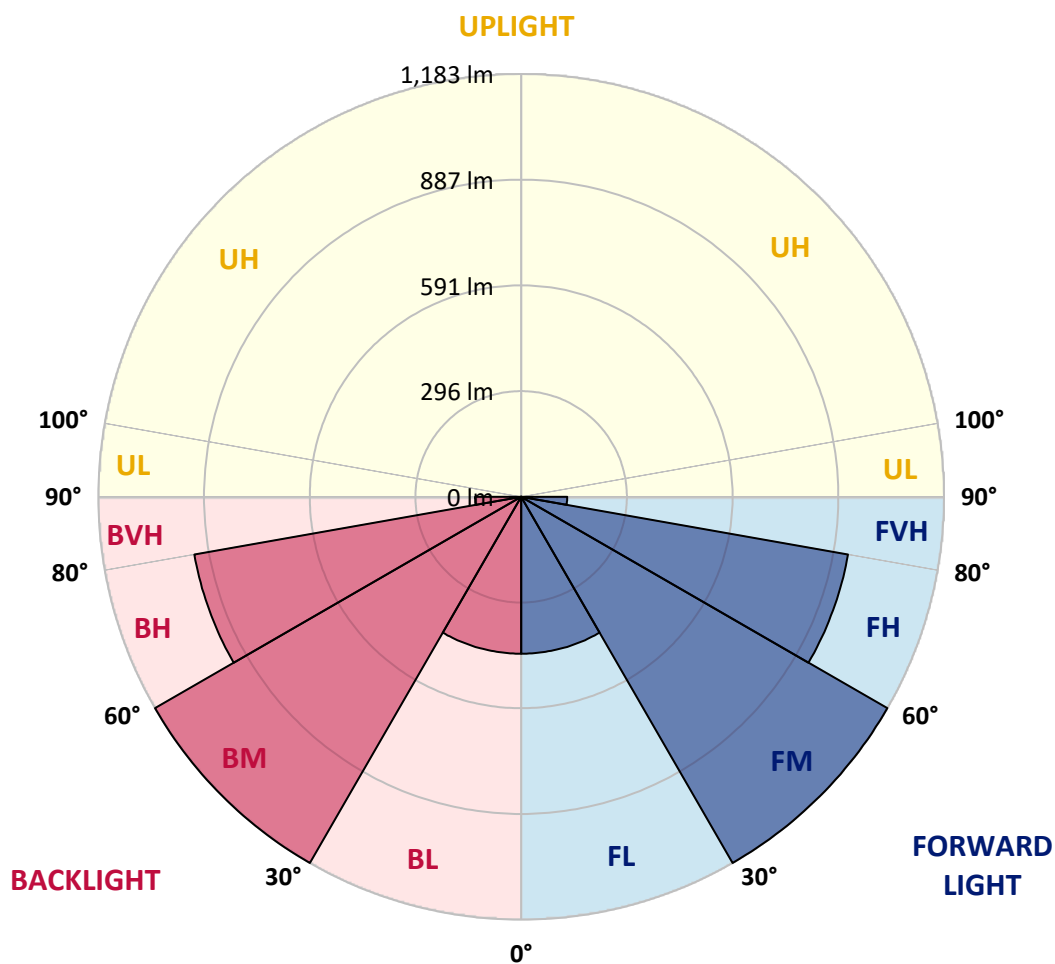
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	438.7	8.2			
FM	(30°-60°)	1182.6	22.1			
FH	(60°-80°)	928.1	17.3			G1/1800
FVH	(80°-90°)	128.8	2.4			G2/225
BL	(0°-30°)	438.7	8.2	B1/500		
BM	(30°-60°)	1182.6	22.1	B2/2500		
BH	(60°-80°)	928.1	17.3	B2/1000		G1/1800
BVH	(80°-90°)	128.8	2.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1068.7	1068.7	1068.7	1068.7	1068.7	1068.7	1068.7	1068.7	1068.7	1068.7	1068.7
2.5°	1069.7	1069.7	1069.7	1069.7	1068.7	1069.7	1068.7	1068.7	1069.7	1069.7	1069.7
5°	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8
7.5°	1065.0	1065.0	1065.0	1065.0	1065.0	1065.0	1065.0	1065.0	1065.0	1065.0	1065.0
10°	1061.2	1062.2	1062.2	1062.2	1061.2	1061.2	1061.2	1062.2	1062.2	1061.2	1061.2
12.5°	1057.5	1057.5	1058.4	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1057.5	1056.6
15°	1051.9	1051.9	1052.8	1052.8	1052.8	1052.8	1052.8	1051.9	1051.9	1050.9	1050.9
17.5°	1047.2	1047.2	1049.1	1049.1	1050.0	1050.0	1050.0	1048.1	1048.1	1046.3	1046.3
20°	1046.3	1046.3	1047.2	1049.1	1050.0	1050.9	1050.0	1048.1	1046.3	1044.4	1044.4
22.5°	1039.7	1040.6	1042.5	1043.5	1045.3	1045.3	1045.3	1042.5	1041.6	1039.7	1039.7
25°	1031.3	1030.3	1033.2	1035.0	1036.9	1036.9	1036.0	1034.1	1033.2	1030.3	1030.3
27.5°	1018.2	1019.1	1021.0	1023.8	1026.6	1026.6	1025.7	1023.8	1021.9	1020.1	1019.1
30°	1007.0	1007.9	1009.8	1012.6	1014.4	1017.2	1014.4	1012.6	1009.8	1008.8	1007.9
32.5°	994.8	995.7	998.5	1003.2	1006.0	1007.9	1006.0	1004.1	999.5	996.7	995.7
35°	986.4	987.3	990.1	996.7	1002.3	1002.3	1002.3	997.6	992.0	987.3	986.4
37.5°	987.3	989.2	995.7	1005.1	1014.4	1015.4	1014.4	1005.1	996.7	989.2	988.2
40°	994.8	996.7	1007.9	1021.9	1034.1	1037.8	1035.0	1021.9	1008.8	998.5	995.7
42.5°	993.9	996.7	1008.8	1026.6	1038.8	1044.4	1038.8	1026.6	1010.7	999.5	995.7
45°	990.1	992.0	1005.1	1023.8	1038.8	1044.4	1039.7	1025.7	1007.9	994.8	992.0
47.5°	984.5	986.4	996.7	1019.1	1036.0	1041.6	1036.9	1021.9	999.5	989.2	987.3
50°	977.0	982.6	999.5	1022.9	1045.3	1049.1	1046.3	1024.7	1001.3	986.4	978.9
52.5°	984.5	983.6	1003.2	1045.3	1065.9	1078.1	1068.7	1043.5	1007.9	988.2	986.4
55°	1001.3	1008.8	1030.3	1069.7	1103.3	1120.2	1107.1	1072.5	1032.2	1007.9	1003.2
57.5°	1000.4	1009.8	1048.1	1087.4	1138.9	1150.1	1135.2	1092.1	1046.3	1014.4	1002.3
60°	994.8	998.5	1027.5	1097.7	1126.7	1139.8	1126.7	1093.0	1035.0	999.5	999.5
62.5°	976.1	982.6	1028.5	1077.1	1118.3	1138.9	1123.0	1080.9	1027.5	989.2	977.0
65°	963.9	968.6	1013.5	1079.0	1138.0	1160.4	1134.2	1079.9	1016.3	971.4	964.8
67.5°	925.5	934.0	976.1	1047.2	1104.3	1122.1	1111.8	1045.3	976.1	934.9	924.6
70°	860.0	864.7	922.7	990.1	1042.5	1054.7	1039.7	996.7	917.1	871.3	857.2
72.5°	779.5	786.1	839.4	914.3	964.8	980.8	963.0	917.1	834.8	793.6	780.5
75°	698.1	704.7	739.3	820.7	862.8	885.3	864.7	815.1	741.2	700.9	695.3
77.5°	581.2	591.4	644.8	699.1	739.3	762.7	744.9	699.1	641.0	593.3	575.5
80°	456.7	464.2	513.8	561.5	598.0	613.0	604.5	561.5	514.7	466.0	457.6
82.5°	320.1	324.7	367.8	406.2	451.1	451.1	441.7	413.6	366.8	324.7	326.6
85°	171.3	176.9	209.6	239.6	267.6	267.6	259.2	241.4	208.7	175.9	172.2
87.5°	34.6	38.4	50.5	55.2	65.5	70.2	63.6	58.0	50.5	40.2	40.2
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)