

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: P198117

Luminaire Tested: **TT-C3-LED-E1-RW-SG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198117
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-C3-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: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3943.4 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full 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



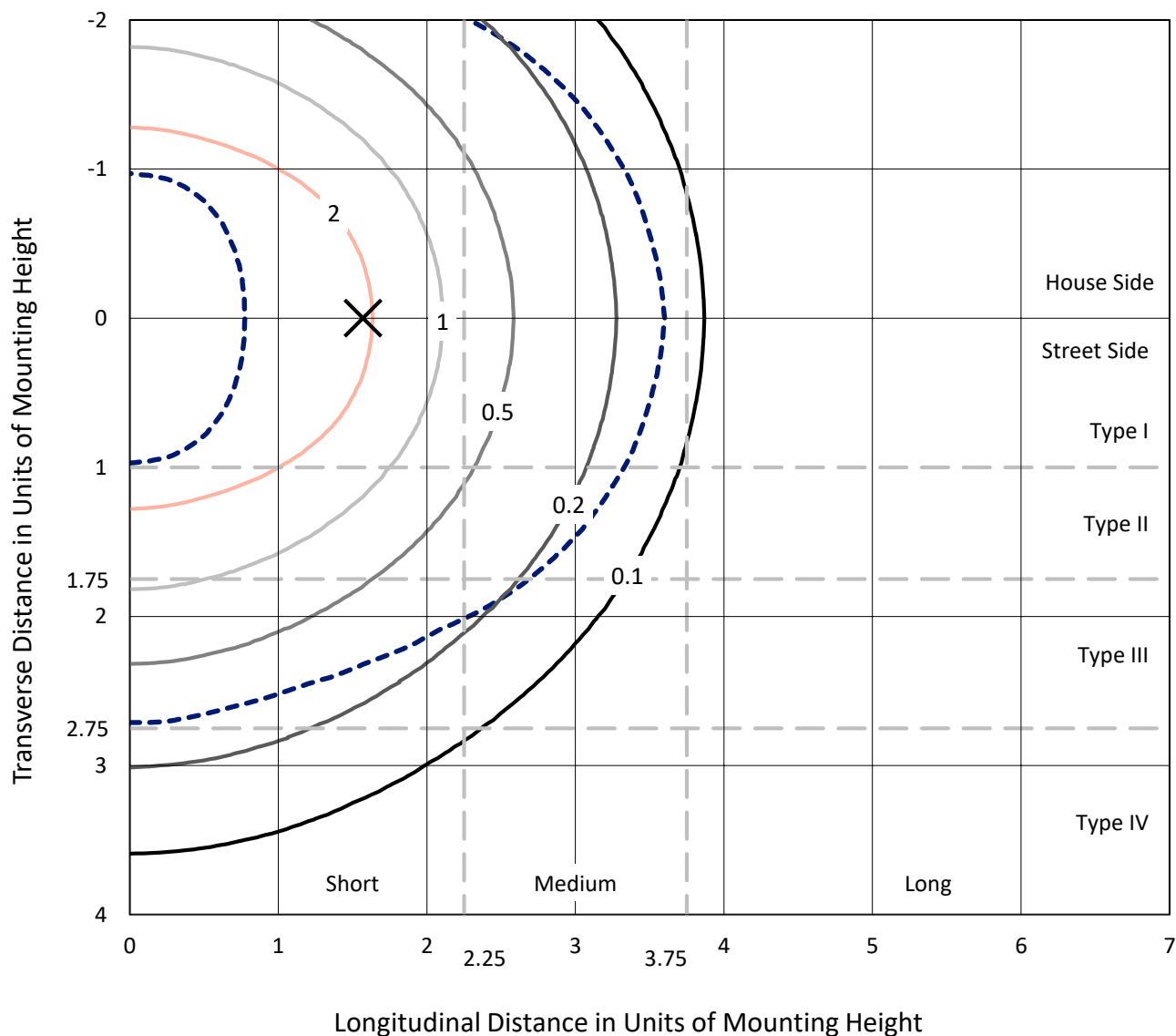
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

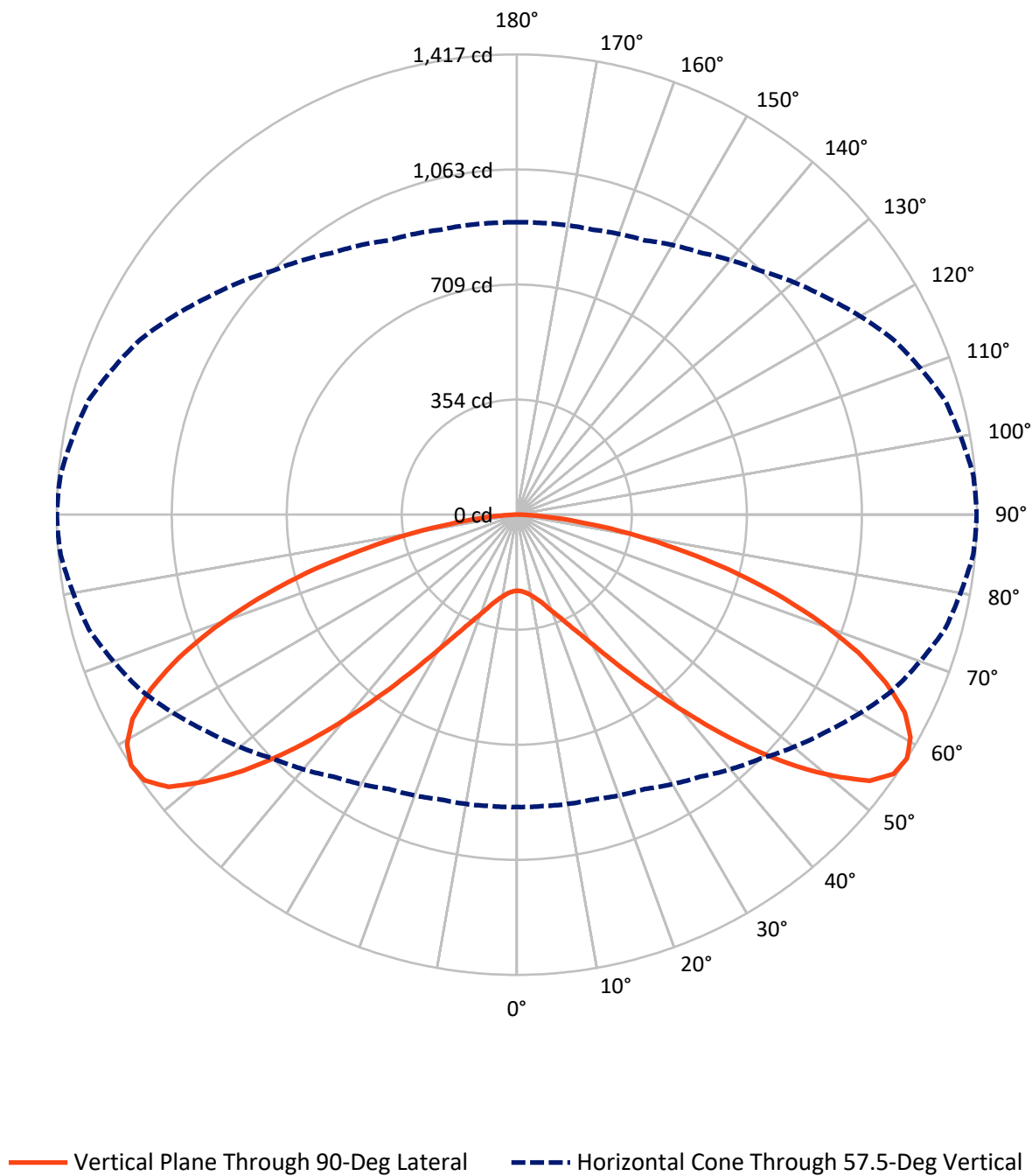


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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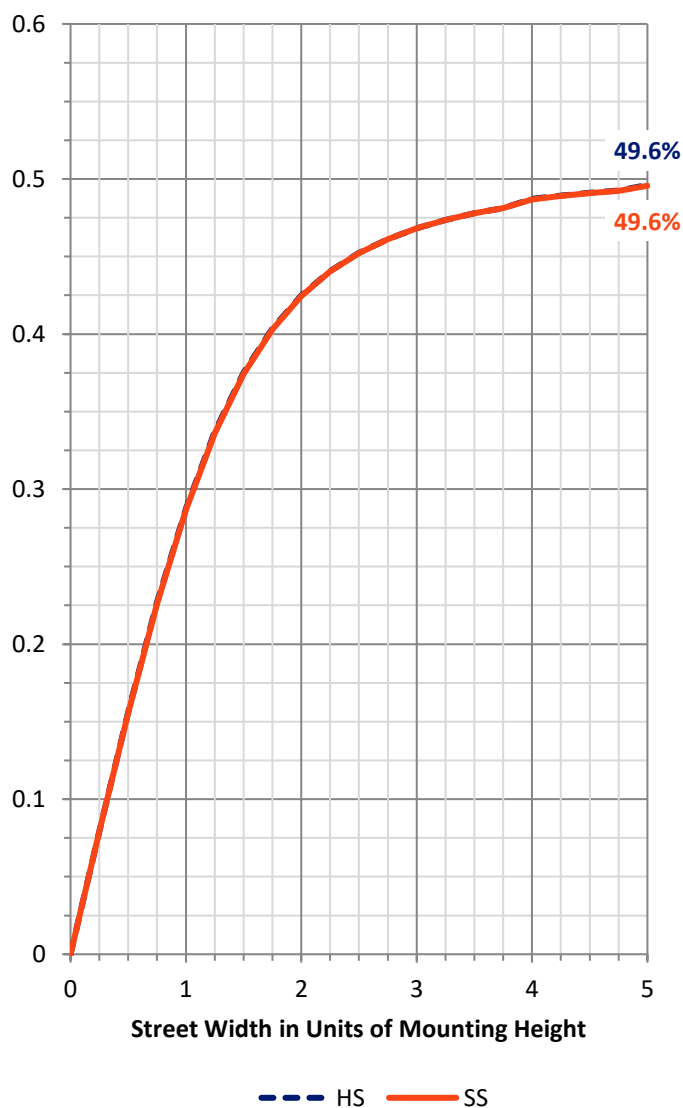
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1971.7	0.0	1971.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1971.7	0.0	1971.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3943.4	0.0	3943.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.6
10°-20°	80.5	2.0
20°-30°	175.6	4.5
30°-40°	352.6	8.9
40°-50°	658.5	16.7
50°-60°	969.8	24.6
60°-70°	977.0	24.8
70°-80°	583.2	14.8
80°-90°	122.9	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°	3943.4	100.0
0°-180°	3943.4	100.0

Coefficient of Utilization



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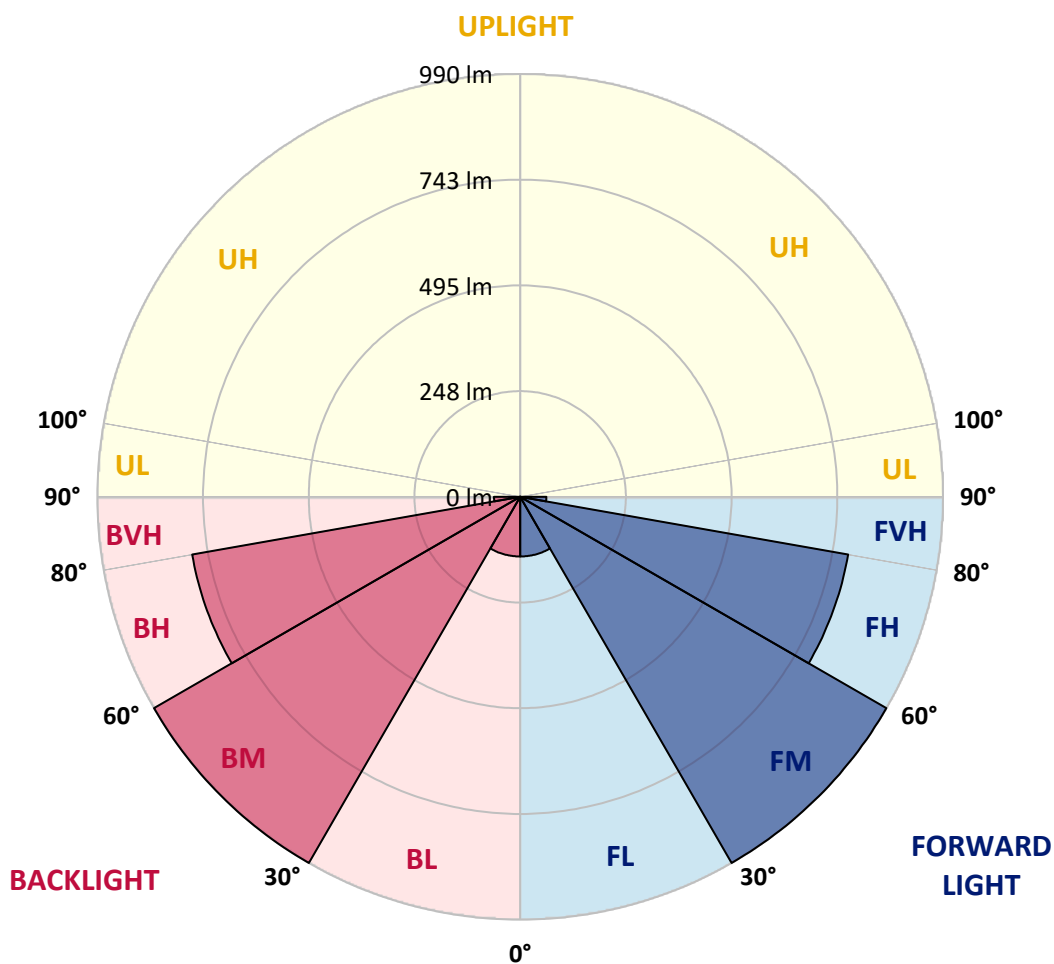
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.7	3.5			
FM	(30°-60°)	990.4	25.1			
FH	(60°-80°)	780.1	19.8			G1/1800
FVH	(80°-90°)	61.4	1.6			G1/100
BL	(0°-30°)	139.7	3.5	B1/500		
BM	(30°-60°)	990.4	25.1	B1/1000		
BH	(60°-80°)	780.1	19.8	B2/1000		G2/1000
BVH	(80°-90°)	61.4	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5
2.5°	236.2	236.2	236.2	236.2	236.2	235.4	236.2	235.4	235.4	235.4	235.4
5°	238.8	238.8	238.8	239.6	239.6	239.6	239.6	238.8	239.6	238.8	239.6
7.5°	244.8	244.8	244.8	244.8	244.8	244.8	245.6	244.8	245.6	244.8	244.8
10°	252.5	252.5	252.5	252.5	253.3	253.3	253.3	254.2	254.2	254.2	254.2
12.5°	263.6	263.6	263.6	263.6	263.6	263.6	264.5	264.5	265.3	265.3	265.3
15°	278.2	278.2	277.3	277.3	277.3	278.2	278.2	279.9	279.0	279.0	279.0
17.5°	296.1	295.3	295.3	295.3	295.3	295.3	295.3	297.0	297.0	297.0	297.8
20°	315.8	317.5	316.7	315.0	315.0	315.0	315.8	317.5	317.5	320.1	321.0
22.5°	343.2	344.1	342.4	341.5	338.9	338.9	341.5	342.4	345.8	344.9	345.8
25°	372.3	371.5	370.6	368.9	368.9	368.9	370.6	373.2	375.7	378.3	378.3
27.5°	404.8	404.0	403.1	402.3	400.6	403.1	404.8	410.8	412.5	418.5	416.8
30°	440.8	441.6	439.9	439.1	438.2	439.1	445.9	454.5	461.3	465.6	466.5
32.5°	481.0	481.9	481.0	479.3	481.0	485.3	493.8	505.0	518.7	526.4	528.9
35°	525.5	527.2	525.5	527.2	528.9	536.6	552.0	569.2	593.1	600.0	604.3
37.5°	573.4	571.7	570.9	573.4	581.1	597.4	618.8	648.8	673.6	694.1	694.1
40°	621.4	622.2	623.1	623.1	637.6	659.9	695.0	735.2	772.0	798.5	799.4
42.5°	672.7	672.7	672.7	680.4	698.4	733.5	778.9	837.9	888.4	913.2	916.7
45°	724.9	728.4	730.1	740.3	766.9	811.4	871.3	942.3	1006.5	1039.9	1038.2
47.5°	776.3	780.6	784.0	799.4	835.3	883.3	957.7	1043.3	1116.1	1153.7	1157.2
50°	829.4	826.8	833.6	852.5	892.7	954.3	1033.9	1132.3	1215.4	1261.6	1265.0
52.5°	864.4	863.6	870.4	890.1	937.2	1006.5	1098.1	1210.2	1300.1	1348.0	1361.7
55°	889.3	888.4	896.1	919.2	970.6	1044.2	1143.5	1261.6	1352.3	1401.9	1408.8
57.5°	900.4	901.2	908.1	932.1	985.1	1062.2	1164.9	1278.7	1365.1	1411.4	1417.3
60°	898.7	899.5	905.5	928.6	980.8	1055.3	1154.6	1261.6	1343.7	1386.5	1393.4
62.5°	880.7	879.9	885.0	904.7	950.9	1020.2	1115.2	1216.2	1294.1	1333.5	1341.2
65°	843.0	842.2	842.2	859.3	898.7	957.7	1047.6	1137.5	1210.2	1247.9	1249.6
67.5°	781.4	781.4	779.7	790.0	819.1	876.4	953.5	1035.6	1094.7	1129.8	1134.9
70°	698.4	700.1	694.1	700.1	724.1	769.4	837.9	903.8	950.0	990.3	992.8
72.5°	607.7	600.8	598.3	600.0	617.9	647.0	706.1	761.7	804.5	831.9	837.1
75°	490.4	490.4	488.7	486.1	496.4	525.5	564.9	610.2	646.2	665.0	671.9
77.5°	375.7	379.2	374.0	374.0	381.7	404.0	438.2	463.0	488.7	501.5	498.1
80°	267.0	266.2	263.6	261.9	270.5	283.3	310.7	325.2	332.9	344.9	350.1
82.5°	165.2	166.9	169.5	161.8	165.2	177.2	191.7	199.4	202.8	208.0	207.1
85°	81.3	82.2	83.0	83.9	83.9	88.2	96.7	100.1	102.7	105.3	103.6
87.5°	30.0	28.2	27.4	27.4	27.4	28.2	32.5	31.7	33.4	33.4	35.1
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)