

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: P198115

Luminaire Tested: **TT-C2-LED-E1-RW-SG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198115
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-C2-LED-E1-RW-SG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3319.7 lumens
Efficiency: N/A
Efficacy: 97.6 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): 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



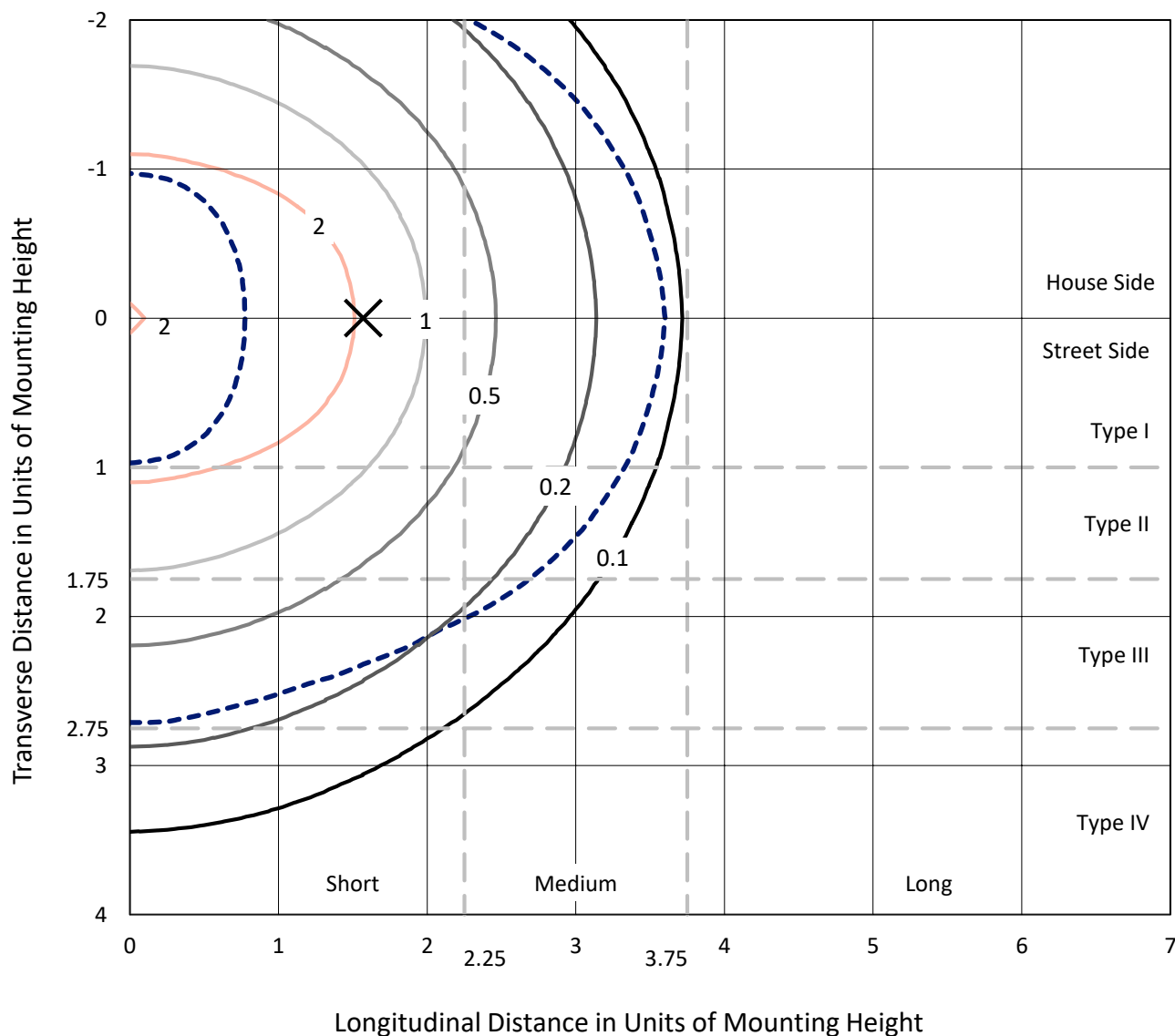
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

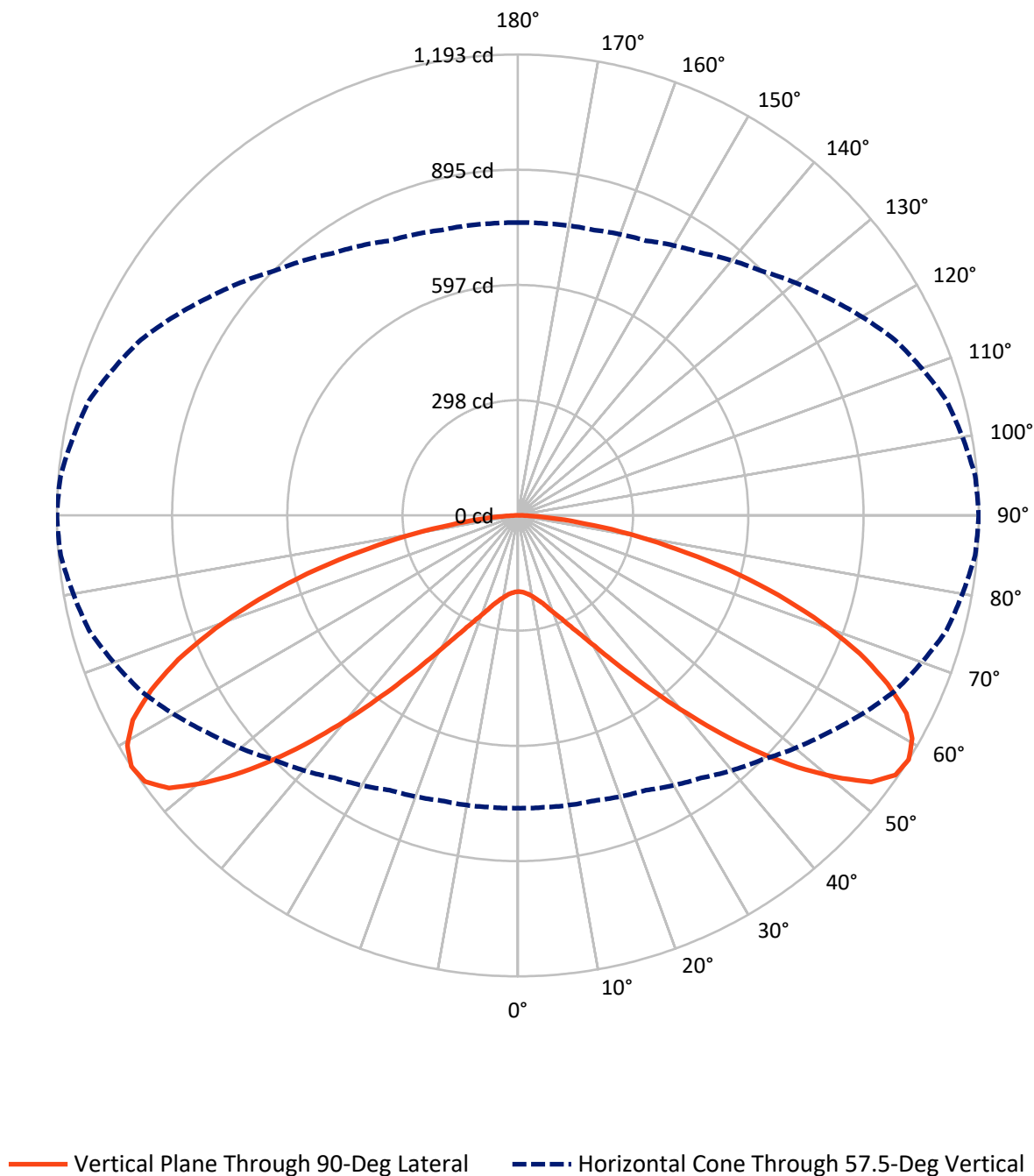


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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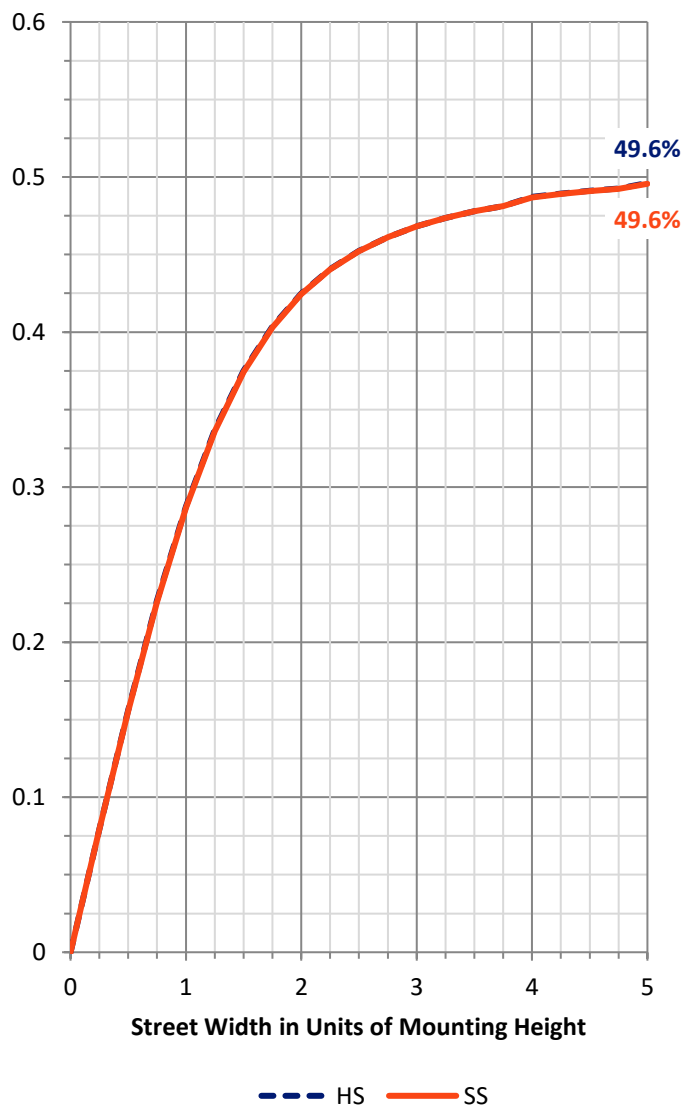
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1659.8	0.0	1659.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1659.8	0.0	1659.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3319.7	0.0	3319.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.6
10°-20°	67.8	2.0
20°-30°	147.9	4.5
30°-40°	296.8	8.9
40°-50°	554.3	16.7
50°-60°	816.4	24.6
60°-70°	822.5	24.8
70°-80°	491.0	14.8
80°-90°	103.5	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°	3319.7	100.0
0°-180°	3319.7	100.0

Coefficient of Utilization



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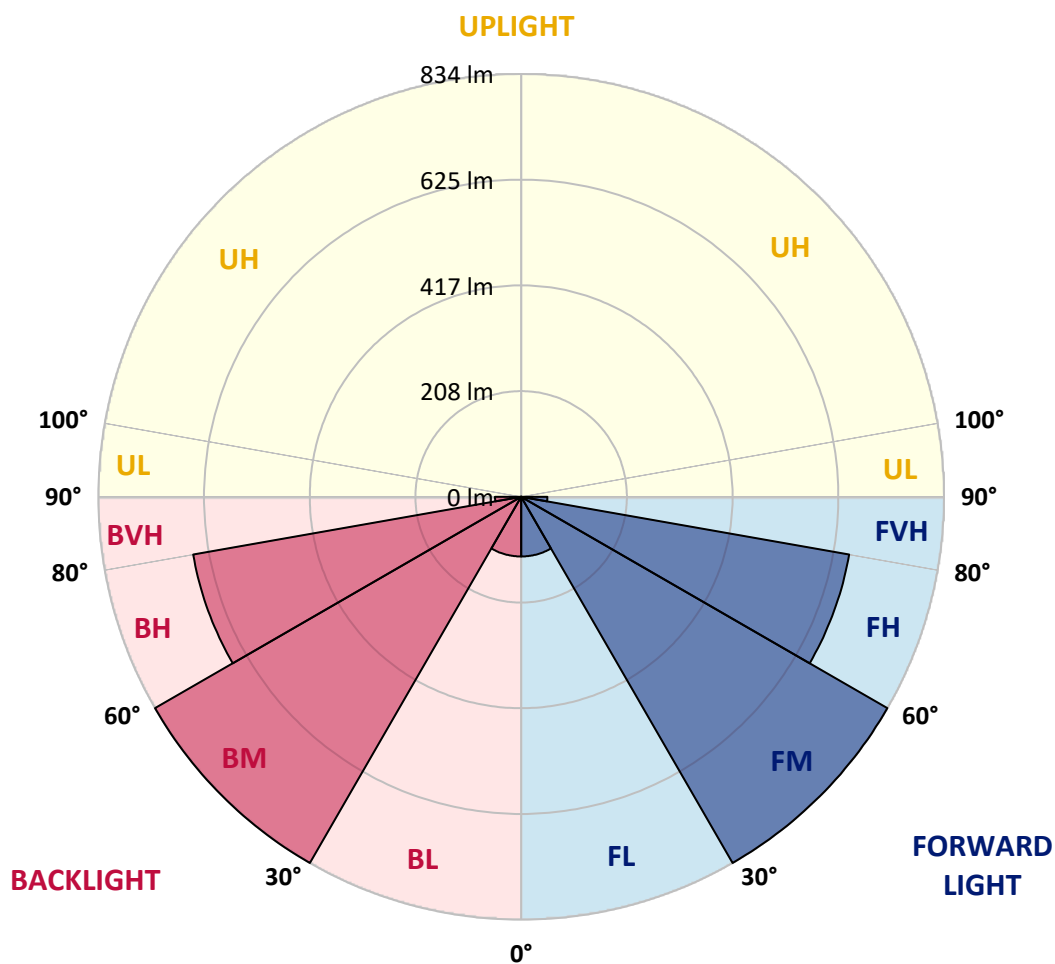
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	117.6	3.5			
FM	(30°-60°)	833.8	25.1			
FH	(60°-80°)	656.7	19.8			G0/660
FVH	(80°-90°)	51.7	1.6			G1/100
BL	(0°-30°)	117.6	3.5	B1/500		
BM	(30°-60°)	833.8	25.1	B1/1000		
BH	(60°-80°)	656.7	19.8	B2/1000		G2/1000
BVH	(80°-90°)	51.7	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°	197.4	197.4	197.4	197.4	197.4	197.4	197.4	197.4	197.4	197.4	197.4
2.5°	198.9	198.9	198.9	198.9	198.9	198.1	198.9	198.1	198.1	198.1	198.1
5°	201.0	201.0	201.0	201.7	201.7	201.7	201.7	201.0	201.7	201.0	201.7
7.5°	206.1	206.1	206.1	206.1	206.1	206.1	206.8	206.1	206.8	206.1	206.1
10°	212.5	212.5	212.5	212.5	213.3	213.3	213.3	214.0	214.0	214.0	214.0
12.5°	221.9	221.9	221.9	221.9	221.9	221.9	222.6	222.6	223.4	223.4	223.4
15°	234.2	234.2	233.4	233.4	233.4	234.2	234.2	235.6	234.9	234.9	234.9
17.5°	249.3	248.6	248.6	248.6	248.6	248.6	248.6	250.0	250.0	250.0	250.7
20°	265.9	267.3	266.6	265.1	265.1	265.1	265.9	267.3	267.3	269.5	270.2
22.5°	288.9	289.6	288.2	287.5	285.3	285.3	287.5	288.2	291.1	290.4	291.1
25°	313.4	312.7	312.0	310.5	310.5	310.5	312.0	314.1	316.3	318.5	318.5
27.5°	340.8	340.1	339.4	338.6	337.2	339.4	340.8	345.8	347.3	352.3	350.9
30°	371.1	371.8	370.3	369.6	368.9	369.6	375.4	382.6	388.4	392.0	392.7
32.5°	404.9	405.6	404.9	403.5	404.9	408.5	415.7	425.1	436.6	443.1	445.3
35°	442.4	443.8	442.4	443.8	445.3	451.8	464.7	479.1	499.3	505.1	508.7
37.5°	482.7	481.3	480.6	482.7	489.2	502.9	520.9	546.1	567.0	584.3	584.3
40°	523.1	523.8	524.5	524.5	536.8	555.5	585.0	618.9	649.9	672.2	672.9
42.5°	566.3	566.3	566.3	572.8	587.9	617.5	655.7	705.4	747.9	768.8	771.7
45°	610.3	613.1	614.6	623.2	645.6	683.0	733.5	793.3	847.3	875.4	874.0
47.5°	653.5	657.1	660.0	672.9	703.2	743.6	806.2	878.3	939.5	971.2	974.1
50°	698.2	696.0	701.8	717.6	751.5	803.4	870.4	953.2	1023.1	1062.0	1064.9
52.5°	727.7	727.0	732.8	749.3	788.9	847.3	924.4	1018.8	1094.4	1134.8	1146.3
55°	748.6	747.9	754.4	773.8	817.0	879.0	962.6	1062.0	1138.4	1180.2	1185.9
57.5°	758.0	758.7	764.5	784.6	829.3	894.1	980.6	1076.4	1149.2	1188.1	1193.2
60°	756.5	757.2	762.3	781.7	825.7	888.4	972.0	1062.0	1131.2	1167.2	1173.0
62.5°	741.4	740.7	745.0	761.6	800.5	858.8	938.8	1023.8	1089.4	1122.5	1129.0
65°	709.7	709.0	709.0	723.4	756.5	806.2	881.9	957.5	1018.8	1050.5	1051.9
67.5°	657.8	657.8	656.4	665.0	689.5	737.8	802.6	871.8	921.5	951.1	955.4
70°	587.9	589.4	584.3	589.4	609.5	647.7	705.4	760.9	799.8	833.6	835.8
72.5°	511.6	505.8	503.6	505.1	520.2	544.7	594.4	641.2	677.3	700.3	704.7
75°	412.8	412.8	411.4	409.2	417.9	442.4	475.5	513.7	544.0	559.8	565.6
77.5°	316.3	319.2	314.9	314.9	321.3	340.1	368.9	389.8	411.4	422.2	419.3
80°	224.8	224.1	221.9	220.5	227.7	238.5	261.5	273.8	280.3	290.4	294.7
82.5°	139.1	140.5	142.7	136.2	139.1	149.1	161.4	167.9	170.8	175.1	174.4
85°	68.4	69.2	69.9	70.6	70.6	74.2	81.4	84.3	86.5	88.6	87.2
87.5°	25.2	23.8	23.1	23.1	23.1	23.8	27.4	26.7	28.1	28.1	29.5
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)