

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: P198023

Luminaire Tested: **TT-C3-LED-E1-RW-CG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34697)
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-CG-LWR-LW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4047.1 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - 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

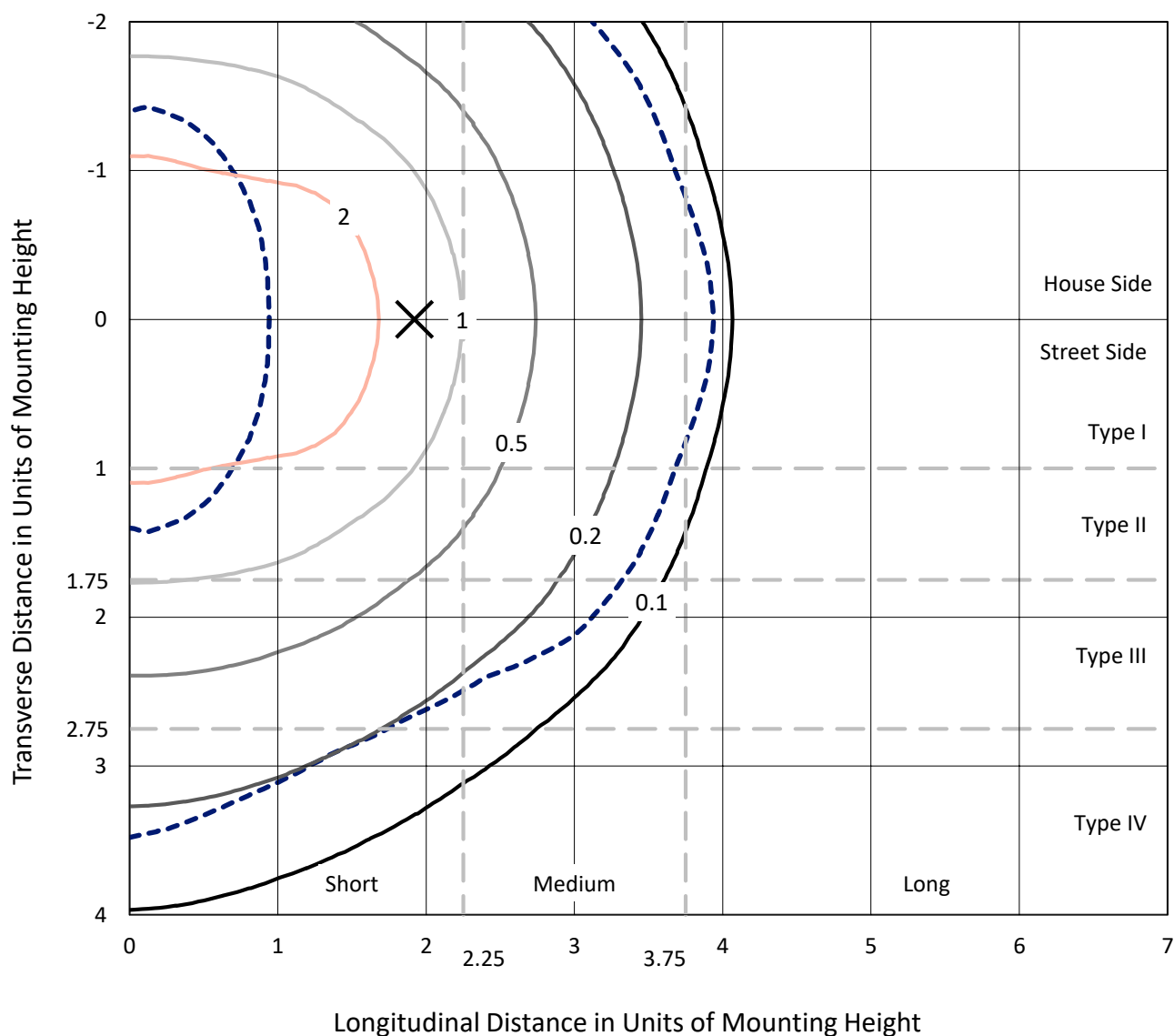


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

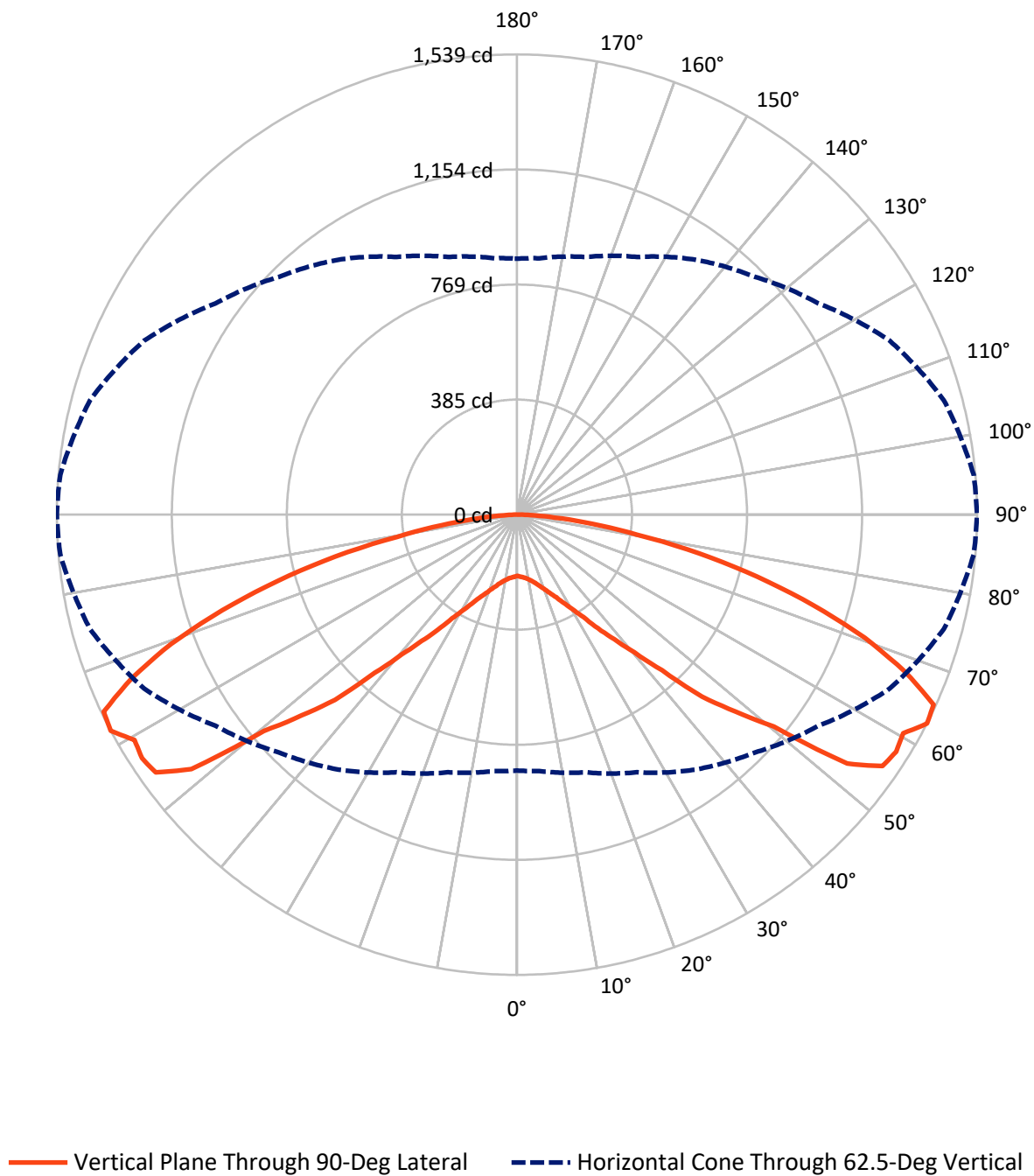


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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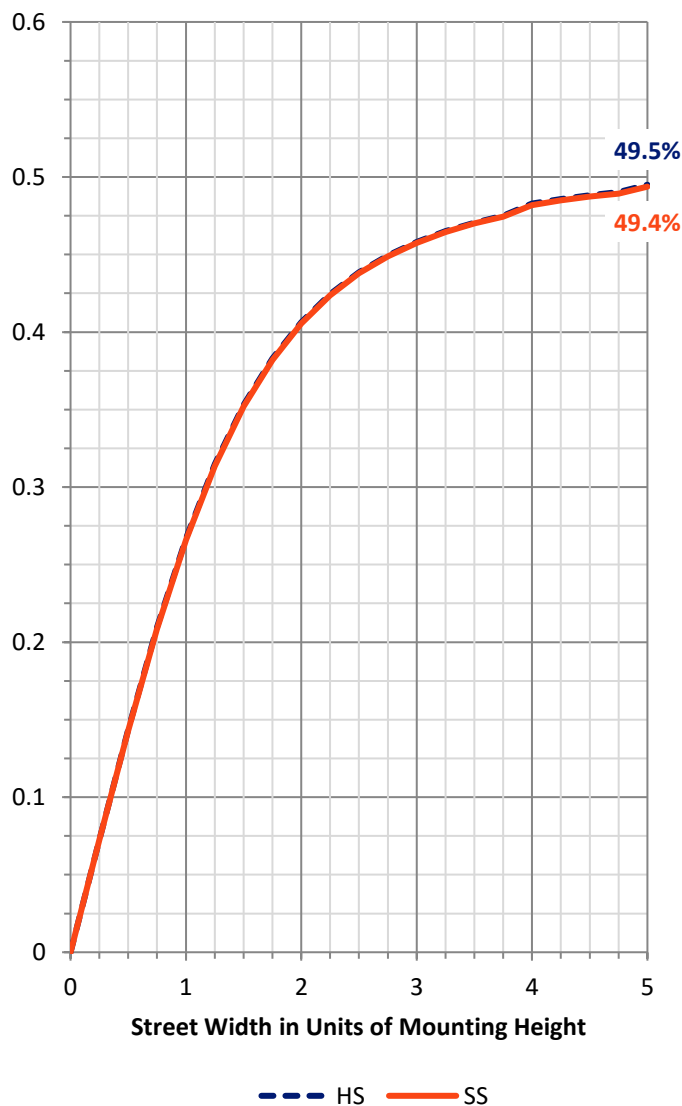
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2023.6	0.0	2023.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2023.6	0.0	2023.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4047.1	0.0	4047.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.5
10°-20°	69.6	1.7
20°-30°	148.8	3.7
30°-40°	289.4	7.2
40°-50°	545.8	13.5
50°-60°	932.6	23.0
60°-70°	1123.0	27.7
70°-80°	755.8	18.7
80°-90°	161.7	4.0
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°	4047.1	100.0
0°-180°	4047.1	100.0

Coefficient of Utilization



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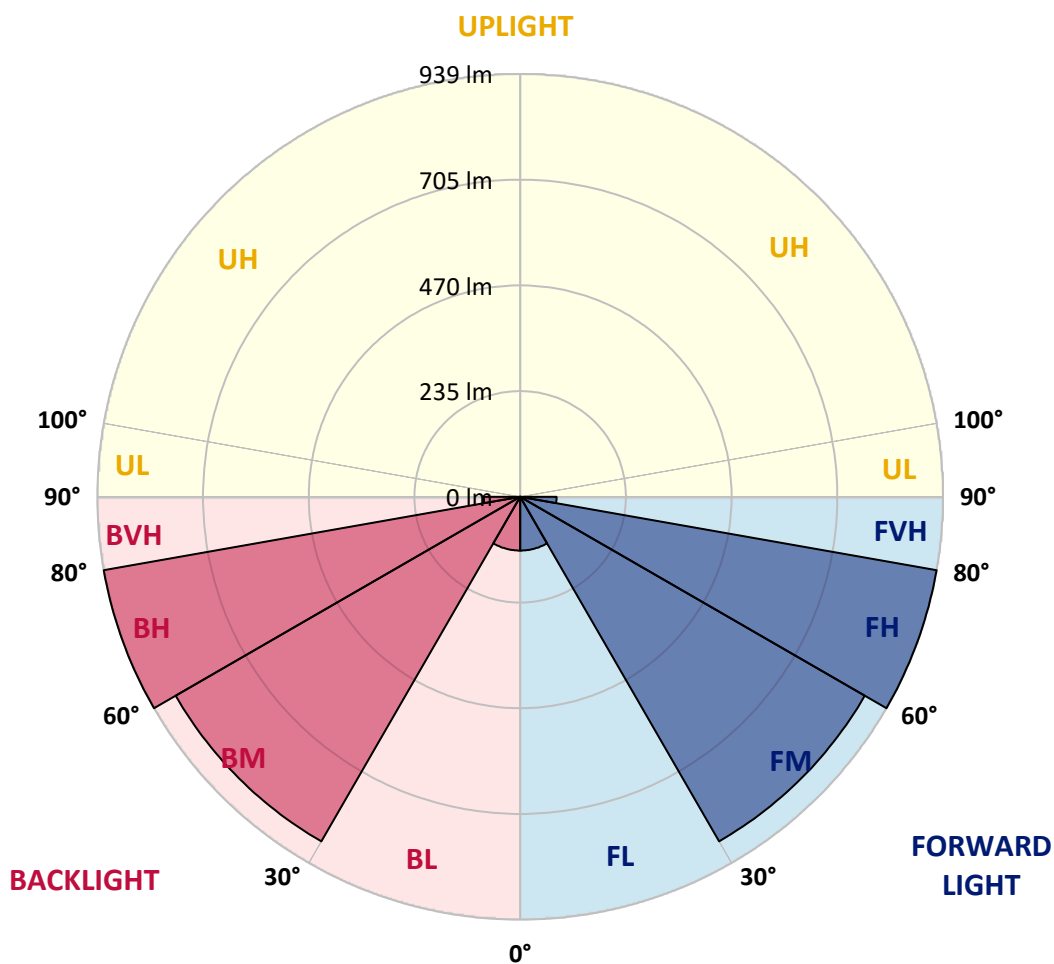
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	119.4	3.0			
FM	(30°-60°)	883.9	21.8			
FH	(60°-80°)	939.4	23.2			G1/1800
FVH	(80°-90°)	80.8	2.0			G1/100
BL	(0°-30°)	119.4	3.0	B1/500		
BM	(30°-60°)	883.9	21.8	B1/1000		
BH	(60°-80°)	939.4	23.2	B2/1000		G2/1000
BVH	(80°-90°)	80.8	2.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	204.6	204.6	204.6	204.6	204.6	204.6	204.6	204.6	204.6	204.6	204.6
2.5°	206.5	206.5	206.5	206.5	206.5	206.5	207.5	207.5	207.5	207.5	207.5
5°	209.4	209.4	210.3	210.3	211.3	211.3	211.3	211.3	210.3	210.3	210.3
7.5°	214.1	214.1	215.1	216.0	216.0	215.1	215.1	214.1	214.1	214.1	214.1
10°	221.7	221.7	222.6	222.6	221.7	221.7	221.7	220.7	220.7	220.7	220.7
12.5°	230.2	231.2	232.1	231.2	230.2	229.3	229.3	228.3	228.3	228.3	228.3
15°	242.5	244.4	243.5	243.5	242.5	240.6	239.7	238.7	238.7	238.7	238.7
17.5°	261.5	261.5	258.6	256.7	254.8	253.9	252.9	252.0	252.0	252.0	252.0
20°	281.4	280.4	277.6	274.7	271.9	270.9	268.1	267.2	268.1	267.2	267.2
22.5°	305.1	304.1	300.3	297.5	293.7	289.9	288.9	286.1	285.2	284.2	285.2
25°	328.7	329.7	326.8	324.0	318.3	314.5	310.7	308.8	306.9	306.0	306.0
27.5°	356.2	358.1	356.2	350.5	344.8	342.0	336.3	334.4	333.5	334.4	334.4
30°	385.6	386.5	383.7	380.8	375.2	368.5	364.7	365.7	365.7	368.5	367.6
32.5°	421.6	420.6	416.8	414.9	409.3	403.6	401.7	402.6	406.4	408.3	408.3
35°	461.4	458.5	454.7	450.9	446.2	442.4	443.4	450.9	462.3	465.2	467.0
37.5°	501.2	496.4	496.4	490.7	486.9	489.8	495.5	509.7	518.2	531.5	528.6
40°	538.1	539.0	537.2	532.4	531.5	540.9	553.3	571.3	593.0	606.3	605.4
42.5°	572.2	580.7	575.0	576.0	580.7	595.9	615.8	650.8	694.4	711.5	711.5
45°	610.1	620.5	615.8	618.6	631.9	655.6	698.2	767.4	827.0	867.8	867.8
47.5°	648.9	658.4	656.5	662.2	685.9	727.6	792.9	879.2	938.8	978.6	984.3
50°	698.2	694.4	695.4	709.6	750.3	810.9	894.3	979.6	1078.1	1101.8	1113.1
52.5°	740.8	729.5	736.1	759.8	818.5	889.6	992.8	1143.5	1279.9	1374.6	1382.2
55°	775.9	767.4	780.6	813.8	889.6	983.4	1117.9	1302.6	1415.4	1473.1	1483.6
57.5°	806.2	802.4	824.2	866.8	963.5	1078.1	1214.5	1364.2	1442.8	1487.4	1494.9
60°	833.7	836.5	860.2	917.0	1021.3	1126.4	1236.3	1362.3	1440.9	1476.0	1483.6
62.5°	855.5	860.2	891.5	950.2	1040.2	1124.5	1230.6	1375.6	1477.9	1532.8	1538.5
65°	869.7	874.4	909.5	950.2	1034.5	1116.0	1265.7	1388.8	1464.6	1520.5	1530.9
67.5°	871.6	878.2	899.0	933.2	1004.2	1076.2	1205.0	1294.1	1354.7	1388.8	1398.3
70°	860.2	858.3	865.9	880.1	922.7	972.0	1080.9	1147.3	1190.8	1225.9	1234.4
72.5°	816.6	813.8	795.8	779.7	795.8	834.6	928.4	972.9	1002.3	1030.7	1036.4
75°	733.3	720.0	675.5	652.7	648.0	682.1	754.1	782.5	793.9	826.1	829.9
77.5°	586.4	580.7	542.8	503.0	499.3	520.1	575.0	587.4	577.9	612.9	623.4
80°	428.2	420.6	384.6	355.3	347.7	361.9	394.1	396.9	390.3	407.4	407.4
82.5°	273.8	266.2	251.1	229.3	213.2	221.7	246.3	246.3	246.3	251.1	253.9
85°	141.2	138.3	126.9	116.5	110.8	112.7	121.3	122.2	126.9	129.8	126.0
87.5°	39.8	41.7	39.8	35.1	34.1	33.2	36.9	37.9	40.7	42.6	44.5
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)