

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: P198021

Luminaire Tested: **TT-C3-LED-E1-RW-CG-LWR-LW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198021
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-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3656.3 lumens
Efficiency: N/A
Efficacy: 81.3 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

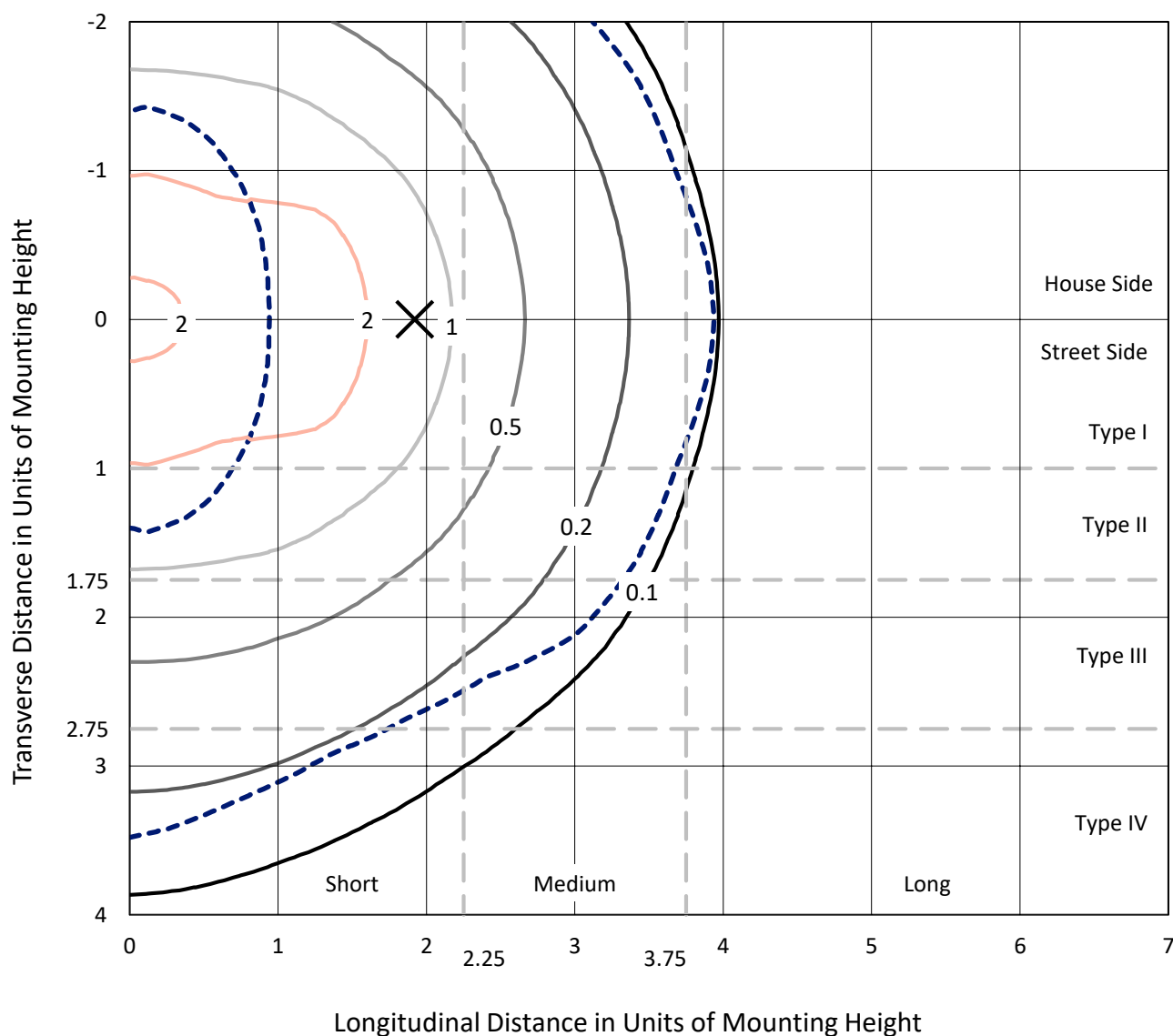


REPORT NUMBER: P198021

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

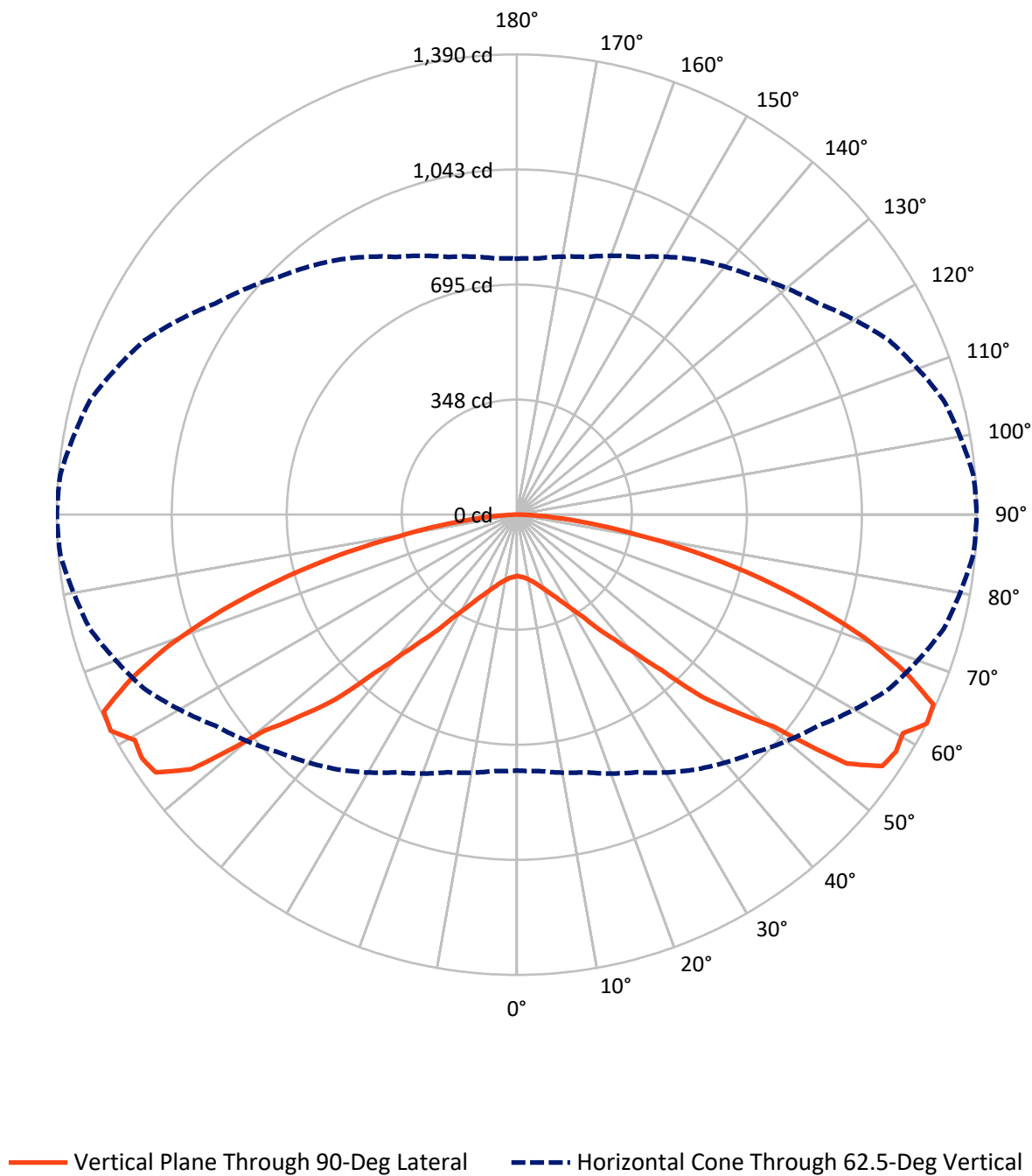


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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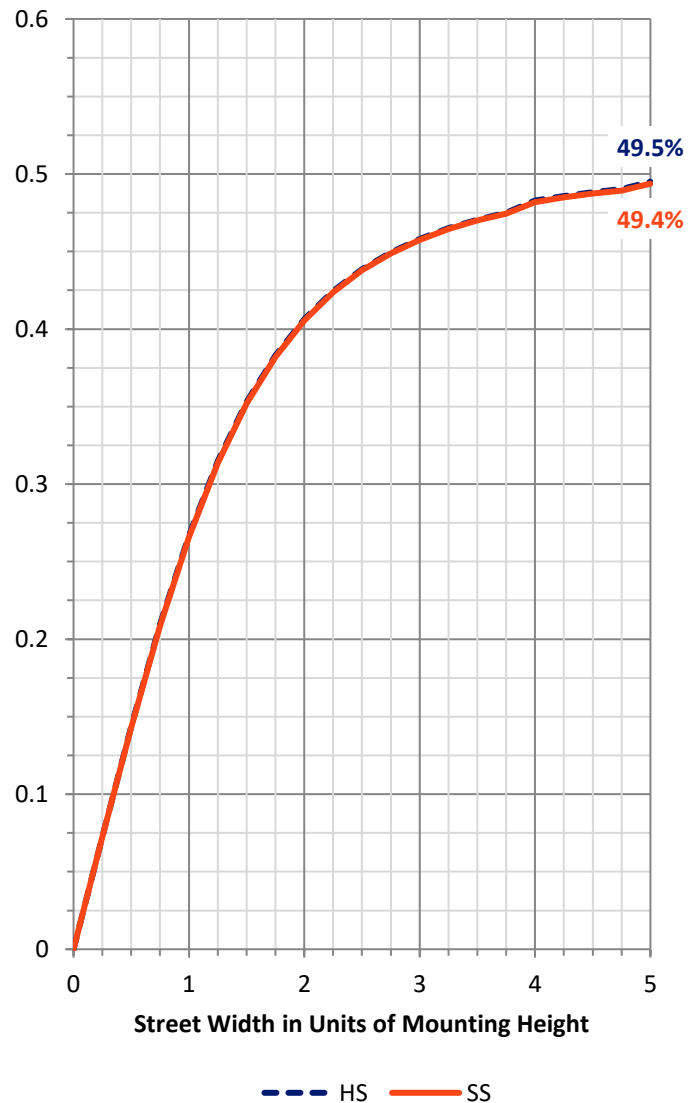
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1828.2	0.0	1828.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1828.2	0.0	1828.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	3656.3	0.0	3656.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.5
10°-20°	62.9	1.7
20°-30°	134.5	3.7
30°-40°	261.5	7.2
40°-50°	493.1	13.5
50°-60°	842.5	23.0
60°-70°	1014.6	27.7
70°-80°	682.8	18.7
80°-90°	146.1	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°	3656.3	100.0
0°-180°	3656.3	100.0

Coefficient of Utilization



REPORT NUMBER: P198021

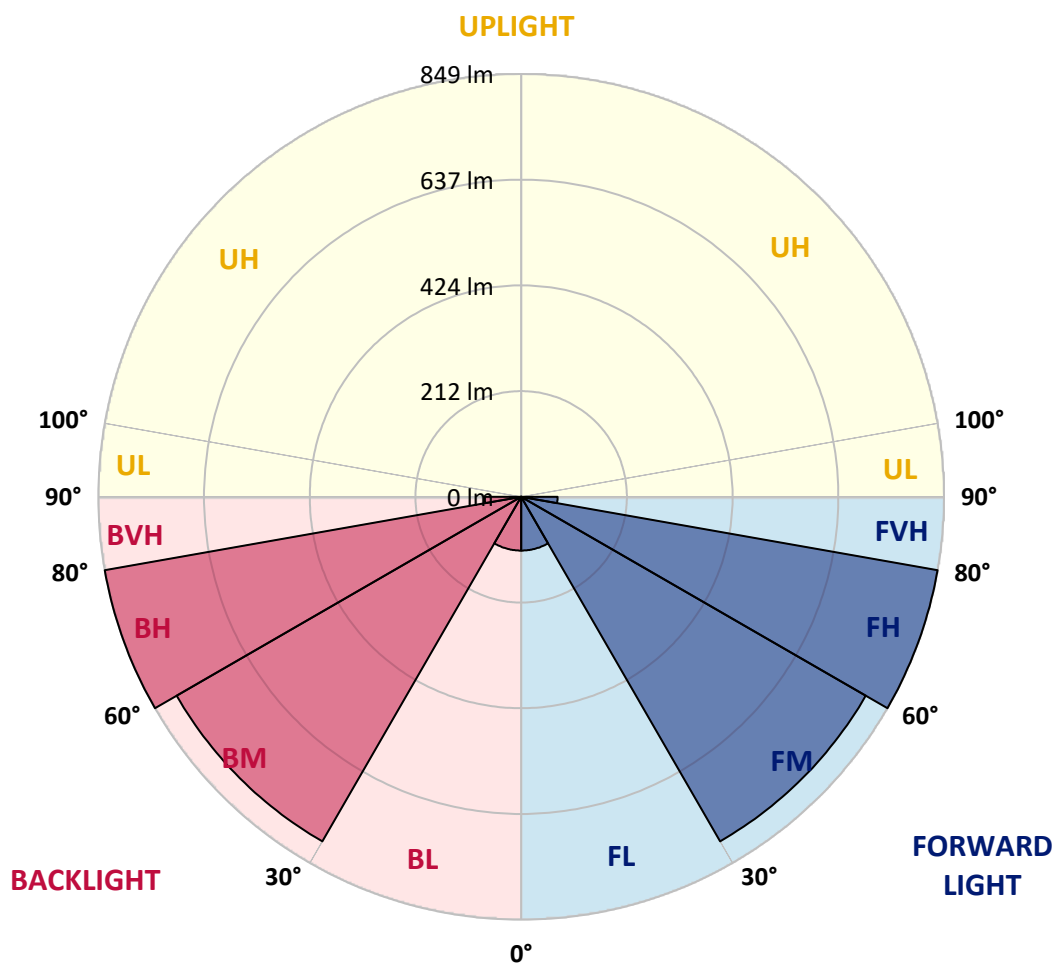
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	107.9	3.0			
FM	(30°-60°)	798.5	21.8			
FH	(60°-80°)	848.7	23.2			G1/1800
FVH	(80°-90°)	73.0	2.0			G1/100
BL	(0°-30°)	107.9	3.0	B0/110		
BM	(30°-60°)	798.5	21.8	B1/1000		
BH	(60°-80°)	848.7	23.2	B2/1000		G2/1000
BVH	(80°-90°)	73.0	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°	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9
2.5°	186.6	186.6	186.6	186.6	186.6	186.6	187.4	187.4	187.4	187.4	187.4
5°	189.2	189.2	190.0	190.0	190.9	190.9	190.9	190.9	190.0	190.0	190.0
7.5°	193.4	193.4	194.3	195.1	195.1	194.3	194.3	193.4	193.4	193.4	193.4
10°	200.3	200.3	201.1	201.1	200.3	200.3	200.3	199.4	199.4	199.4	199.4
12.5°	208.0	208.8	209.7	208.8	208.0	207.1	207.1	206.3	206.3	206.3	206.3
15°	219.1	220.8	220.0	220.0	219.1	217.4	216.5	215.7	215.7	215.7	215.7
17.5°	236.2	236.2	233.7	231.9	230.2	229.4	228.5	227.7	227.7	227.7	227.7
20°	254.2	253.3	250.8	248.2	245.6	244.8	242.2	241.4	242.2	241.4	241.4
22.5°	275.6	274.7	271.3	268.7	265.3	261.9	261.0	258.5	257.6	256.8	257.6
25°	297.0	297.8	295.3	292.7	287.6	284.2	280.7	279.0	277.3	276.5	276.5
27.5°	321.8	323.5	321.8	316.7	311.5	309.0	303.8	302.1	301.3	302.1	302.1
30°	348.3	349.2	346.6	344.1	338.9	332.9	329.5	330.4	330.4	332.9	332.1
32.5°	380.9	380.0	376.6	374.9	369.7	364.6	362.9	363.8	367.2	368.9	368.9
35°	416.8	414.2	410.8	407.4	403.1	399.7	400.6	407.4	417.7	420.2	422.0
37.5°	452.8	448.5	448.5	443.3	439.9	442.5	447.6	460.5	468.2	480.2	477.6
40°	486.1	487.0	485.3	481.0	480.2	488.7	499.8	516.1	535.8	547.8	546.9
42.5°	517.0	524.7	519.5	520.4	524.7	538.4	556.3	588.0	627.4	642.8	642.8
45°	551.2	560.6	556.3	558.9	570.9	592.3	630.8	693.3	747.2	784.0	784.0
47.5°	586.3	594.8	593.1	598.3	619.7	657.3	716.4	794.3	848.2	884.1	889.3
50°	630.8	627.4	628.2	641.1	677.9	732.6	808.0	885.0	974.0	995.4	1005.7
52.5°	669.3	659.0	665.0	686.4	739.5	803.7	897.0	1033.1	1156.3	1241.9	1248.7
55°	701.0	693.3	705.2	735.2	803.7	888.4	1009.9	1176.8	1278.7	1330.9	1340.3
57.5°	728.4	724.9	744.6	783.1	870.4	974.0	1097.2	1232.5	1303.5	1343.7	1350.6
60°	753.2	755.7	777.1	828.5	922.6	1017.6	1116.9	1230.8	1301.8	1333.5	1340.3
62.5°	772.9	777.1	805.4	858.5	939.8	1015.9	1111.8	1242.7	1335.2	1384.8	1390.0
65°	785.7	790.0	821.6	858.5	934.6	1008.2	1143.5	1254.7	1323.2	1373.7	1383.1
67.5°	787.4	793.4	812.2	843.0	907.2	972.3	1088.7	1169.1	1223.9	1254.7	1263.3
70°	777.1	775.4	782.3	795.1	833.6	878.1	976.6	1036.5	1075.8	1107.5	1115.2
72.5°	737.8	735.2	718.9	704.4	718.9	754.0	838.8	879.0	905.5	931.2	936.3
75°	662.5	650.5	610.2	589.7	585.4	616.2	681.3	707.0	717.2	746.3	749.8
77.5°	529.8	524.7	490.4	454.5	451.1	469.9	519.5	530.6	522.1	553.8	563.2
80°	386.9	380.0	347.5	321.0	314.1	326.9	356.0	358.6	352.6	368.0	368.0
82.5°	247.4	240.5	226.8	207.1	192.6	200.3	222.5	222.5	222.5	226.8	229.4
85°	127.5	125.0	114.7	105.3	100.1	101.9	109.6	110.4	114.7	117.3	113.8
87.5°	35.9	37.7	35.9	31.7	30.8	30.0	33.4	34.2	36.8	38.5	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)