

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: P198024

Luminaire Tested: **TT-C3-LED-E1-RW-CG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198024
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3955.4 lumens
Efficiency: N/A
Efficacy: 87.9 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

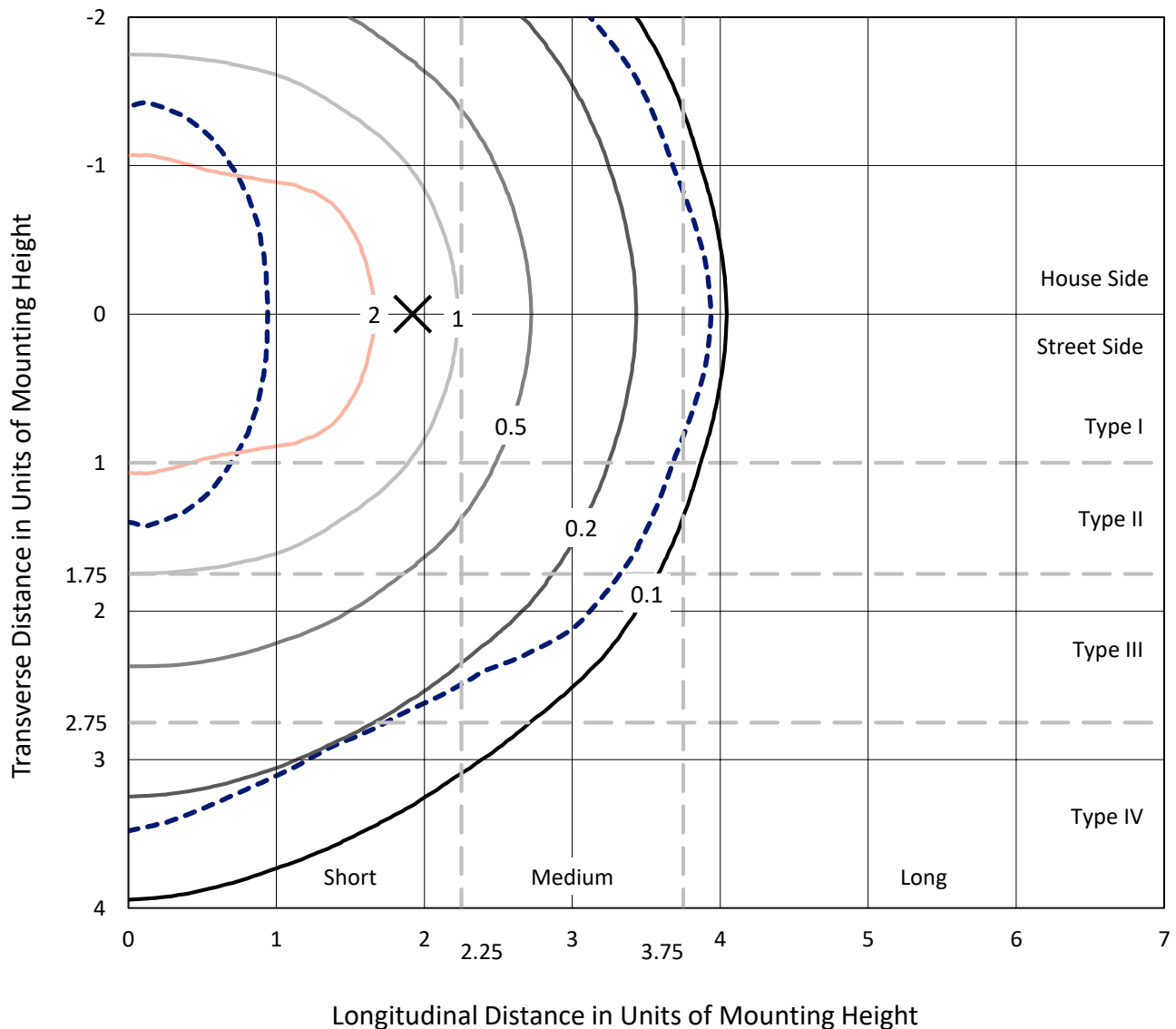


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

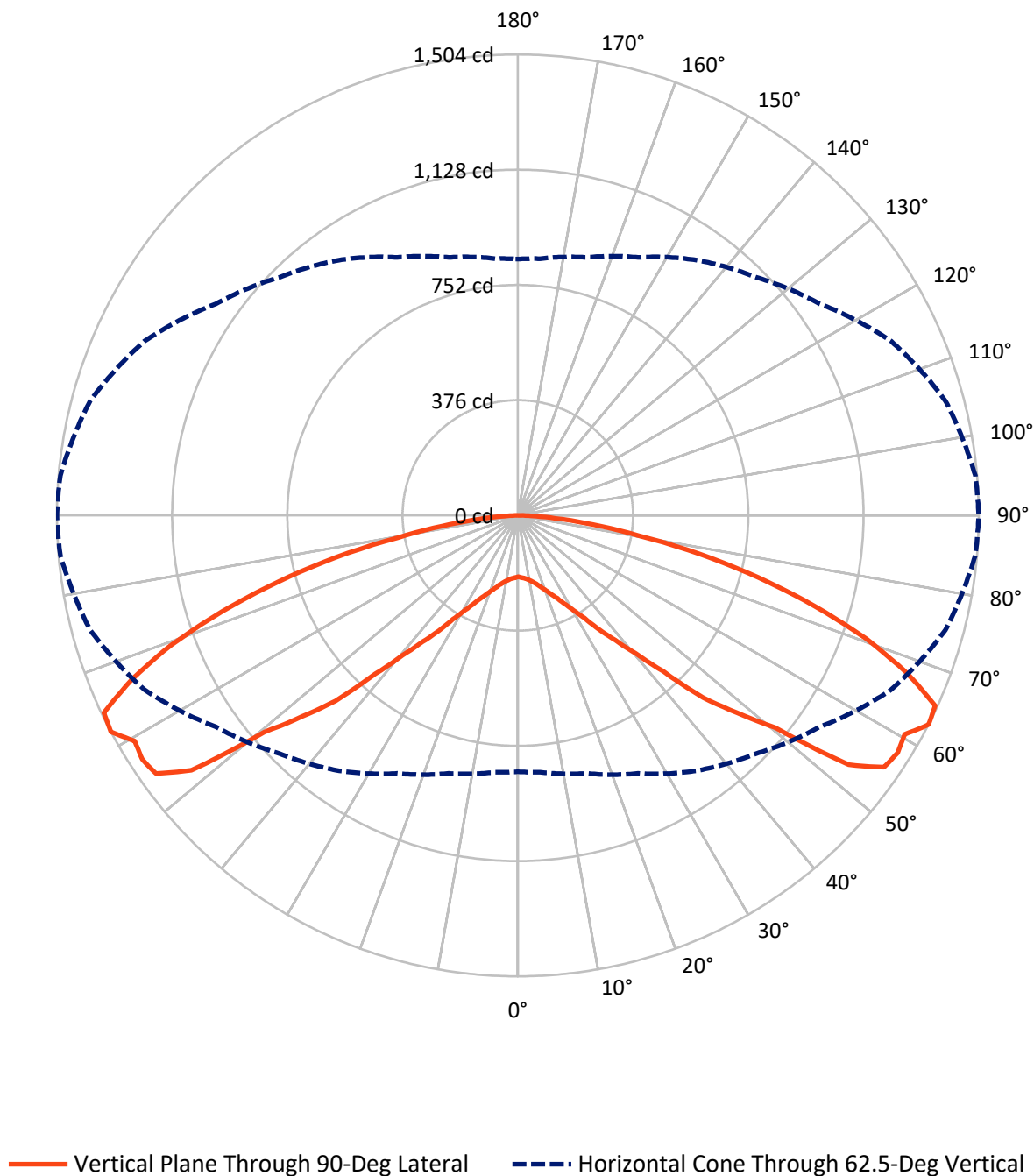


Based on 10 foot mounting height. Maximum calculated value = 3 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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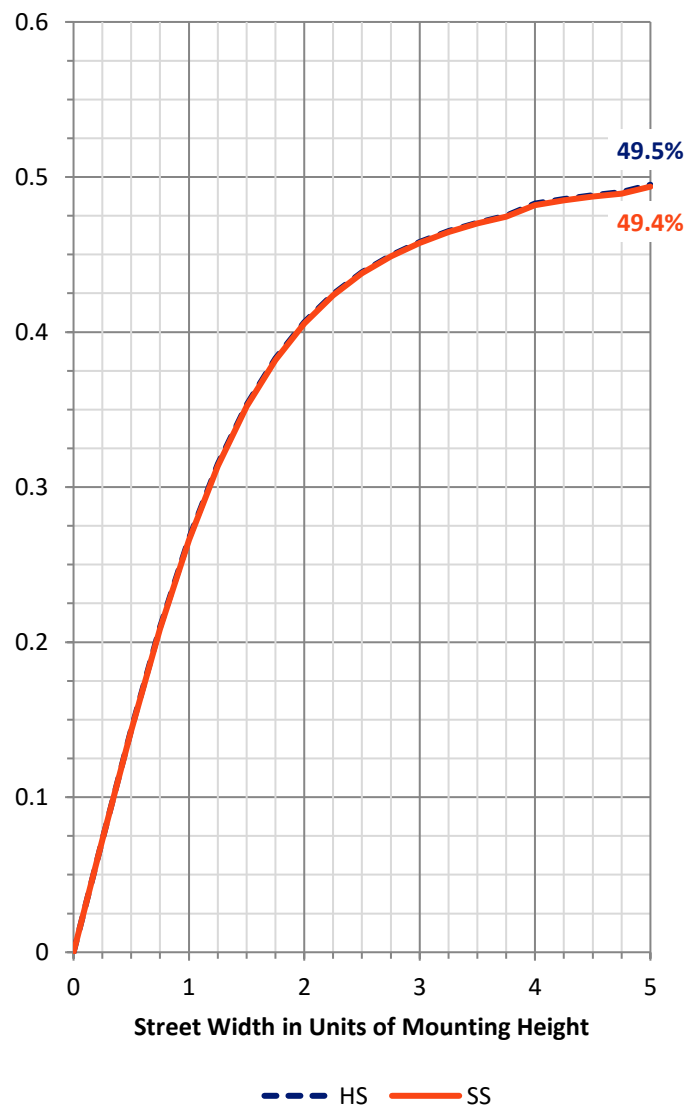
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1977.7	0.0	1977.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1977.7	0.0	1977.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3955.4	0.0	3955.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	0.5
10°-20°	68.1	1.7
20°-30°	145.5	3.7
30°-40°	282.9	7.2
40°-50°	533.4	13.5
50°-60°	911.4	23.0
60°-70°	1097.6	27.7
70°-80°	738.6	18.7
80°-90°	158.0	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°	3955.4	100.0
0°-180°	3955.4	100.0

Coefficient of Utilization



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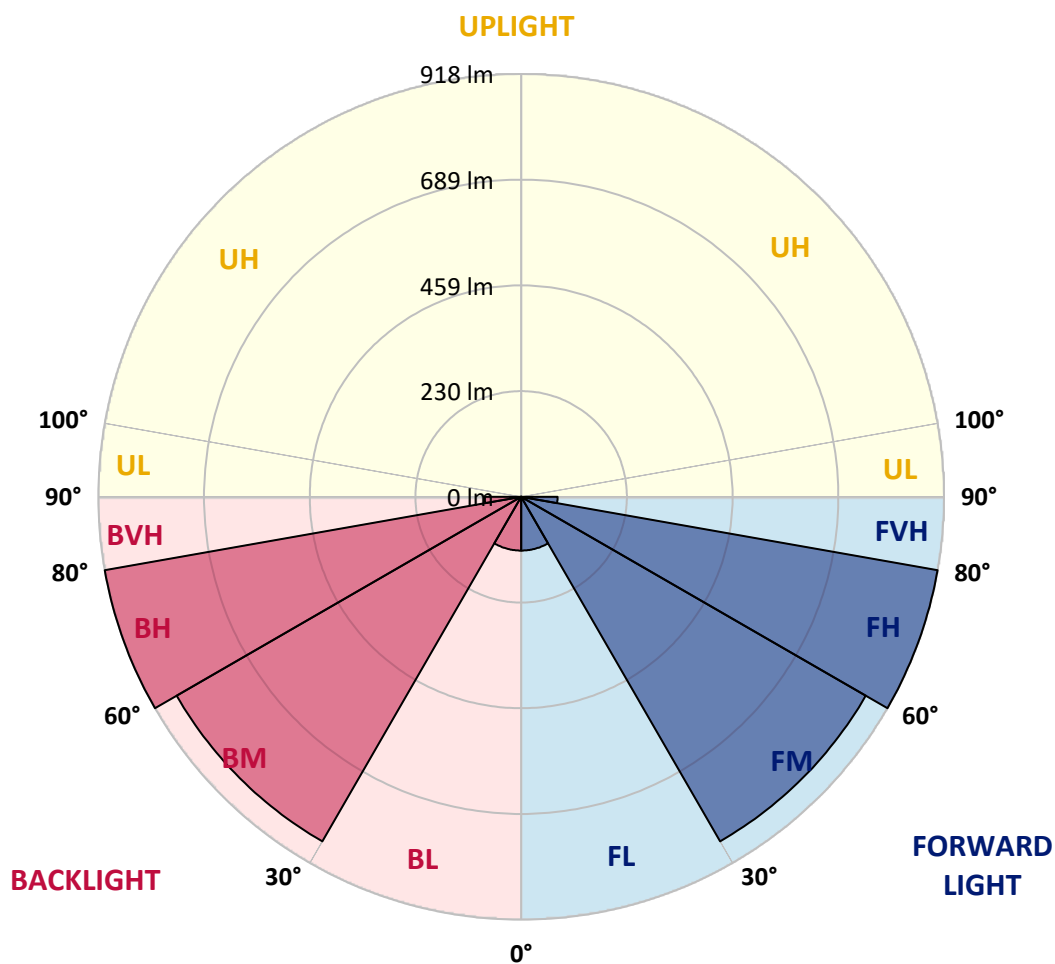
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.7	3.0			
FM	(30°-60°)	863.8	21.8			
FH	(60°-80°)	918.1	23.2			G1/1800
FVH	(80°-90°)	79.0	2.0			G1/100
BL	(0°-30°)	116.7	3.0	B1/500		
BM	(30°-60°)	863.8	21.8	B1/1000		
BH	(60°-80°)	918.1	23.2	B2/1000		G2/1000
BVH	(80°-90°)	79.0	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°	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
2.5°	201.8	201.8	201.8	201.8	201.8	201.8	202.8	202.8	202.8	202.8	202.8
5°	204.6	204.6	205.5	205.5	206.5	206.5	206.5	206.5	205.5	205.5	205.5
7.5°	209.2	209.2	210.2	211.1	211.1	210.2	210.2	209.2	209.2	209.2	209.2
10°	216.7	216.7	217.6	217.6	216.7	216.7	216.7	215.7	215.7	215.7	215.7
12.5°	225.0	225.9	226.8	225.9	225.0	224.1	224.1	223.1	223.1	223.1	223.1
15°	237.0	238.9	237.9	237.9	237.0	235.2	234.2	233.3	233.3	233.3	233.3
17.5°	255.5	255.5	252.8	250.9	249.1	248.1	247.2	246.3	246.3	246.3	246.3
20°	275.0	274.1	271.3	268.5	265.7	264.8	262.0	261.1	262.0	261.1	261.1
22.5°	298.1	297.2	293.5	290.7	287.0	283.3	282.4	279.6	278.7	277.8	278.7
25°	321.3	322.2	319.4	316.6	311.1	307.4	303.7	301.8	300.0	299.1	299.1
27.5°	348.1	350.0	348.1	342.6	337.0	334.2	328.7	326.8	325.9	326.8	326.8
30°	376.8	377.8	375.0	372.2	366.6	360.2	356.5	357.4	357.4	360.2	359.2
32.5°	412.0	411.1	407.4	405.5	400.0	394.4	392.6	393.5	397.2	399.1	399.1
35°	450.9	448.1	444.4	440.7	436.1	432.4	433.3	440.7	451.8	454.6	456.5
37.5°	489.8	485.2	485.2	479.6	475.9	478.7	484.2	498.1	506.5	519.4	516.6
40°	525.9	526.8	525.0	520.3	519.4	528.7	540.7	558.3	579.6	592.6	591.6
42.5°	559.2	567.6	562.0	562.9	567.6	582.4	601.8	636.1	678.7	695.3	695.3
45°	596.3	606.4	601.8	604.6	617.6	640.7	682.4	750.0	808.3	848.1	848.1
47.5°	634.2	643.5	641.6	647.2	670.3	711.1	775.0	859.2	917.5	956.4	962.0
50°	682.4	678.7	679.6	693.5	733.3	792.5	874.0	957.4	1053.6	1076.8	1087.9
52.5°	724.0	712.9	719.4	742.6	800.0	869.4	970.3	1117.5	1250.9	1343.4	1350.9
55°	758.3	750.0	762.9	795.3	869.4	961.1	1092.5	1273.1	1383.3	1439.7	1449.9
57.5°	787.9	784.2	805.5	847.2	941.6	1053.6	1187.0	1333.3	1410.1	1453.6	1461.0
60°	814.8	817.5	840.7	896.2	998.1	1100.9	1208.3	1331.4	1408.3	1442.5	1449.9
62.5°	836.1	840.7	871.2	928.7	1016.6	1099.0	1202.7	1344.4	1444.4	1498.1	1503.6
65°	850.0	854.6	888.8	928.7	1011.1	1090.7	1237.0	1357.3	1431.4	1486.0	1496.2
67.5°	851.8	858.3	878.7	912.0	981.4	1051.8	1177.7	1264.7	1324.0	1357.3	1366.6
70°	840.7	838.8	846.2	860.1	901.8	949.9	1056.4	1121.2	1163.8	1198.1	1206.4
72.5°	798.1	795.3	777.7	762.0	777.7	815.7	907.4	950.9	979.6	1007.4	1012.9
75°	716.6	703.7	660.1	637.9	633.3	666.6	737.0	764.8	775.9	807.4	811.1
77.5°	573.1	567.6	530.5	491.6	487.9	508.3	562.0	574.0	564.8	599.0	609.2
80°	418.5	411.1	375.9	347.2	339.8	353.7	385.2	387.9	381.5	398.1	398.1
82.5°	267.6	260.2	245.4	224.1	208.3	216.7	240.7	240.7	240.7	245.4	248.1
85°	138.0	135.2	124.1	113.9	108.3	110.2	118.5	119.4	124.1	126.8	123.1
87.5°	38.9	40.7	38.9	34.3	33.3	32.4	36.1	37.0	39.8	41.7	43.5
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)