

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: P197955

Luminaire Tested: **TT-C4-LED-E1-RW-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-C4-LED-E1-RW-LWR-LW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5319 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 58
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

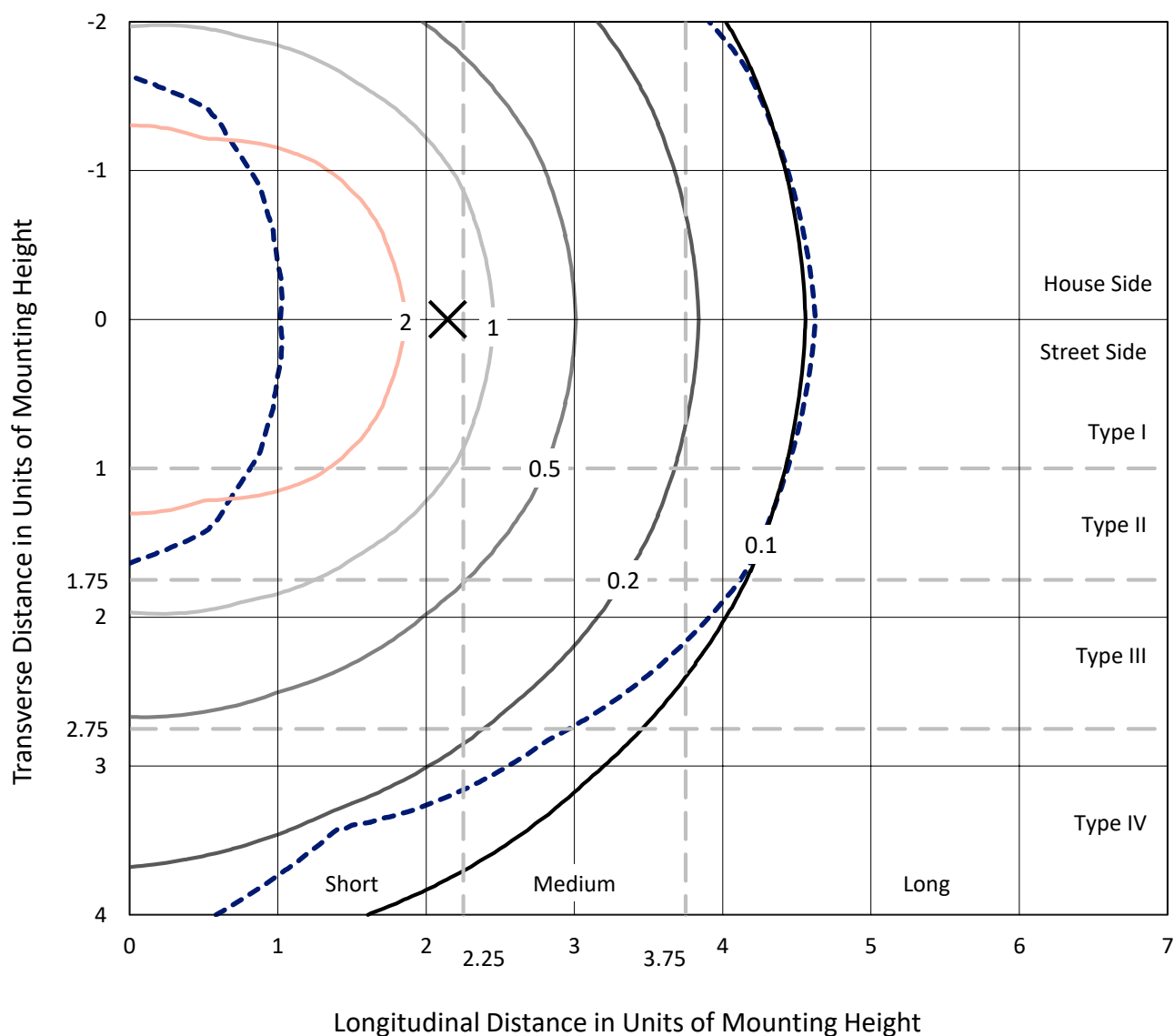


REPORT NUMBER: P197955

CATALOG NUMBER: TT-C4-LED-E1-RW-LWR-LW-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

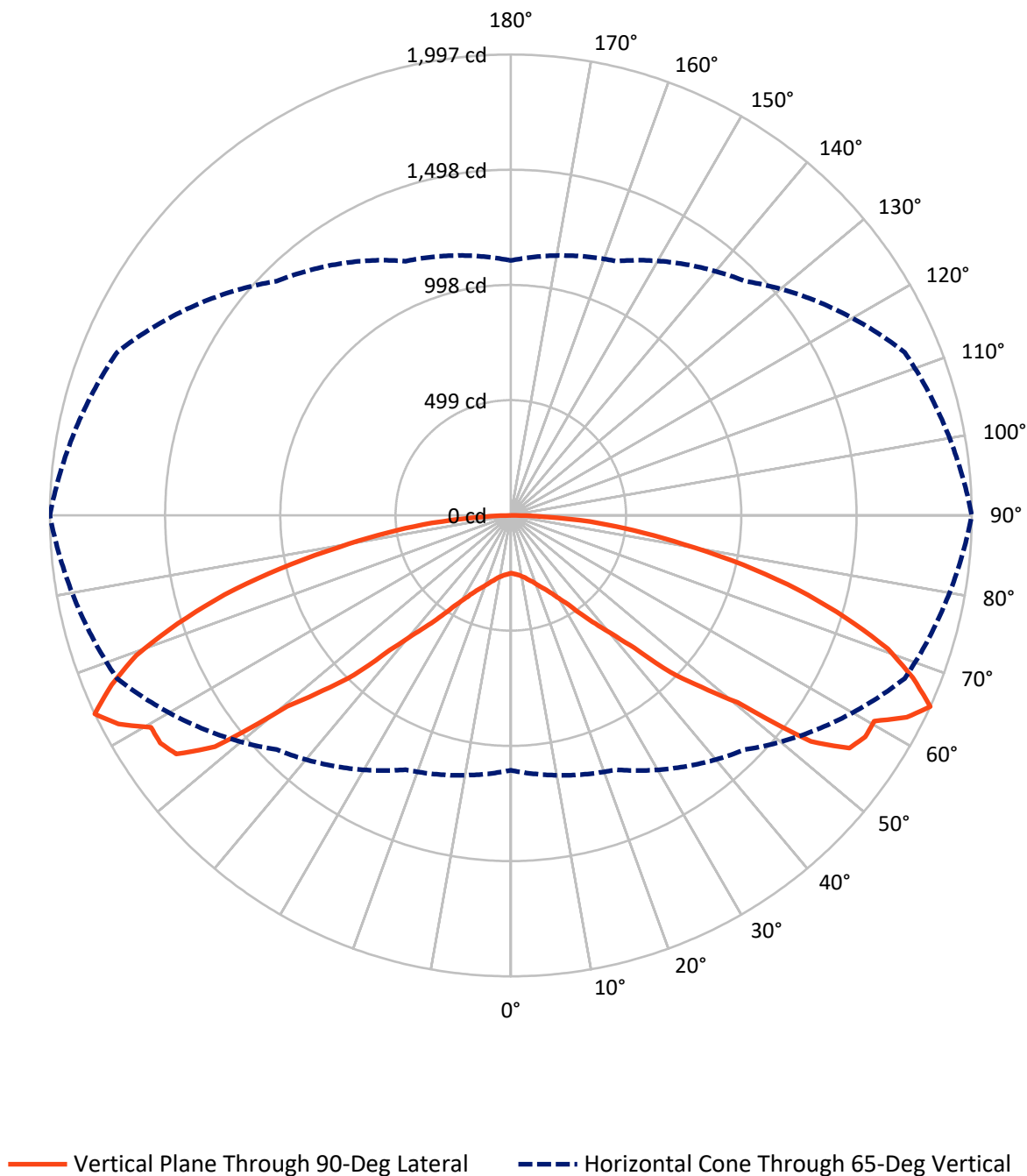


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P197955

CATALOG NUMBER: TT-C4-LED-E1-RW-LWR-LW-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P197955

CATALOG NUMBER: TT-C4-LED-E1-RW-LWR-LW-7050

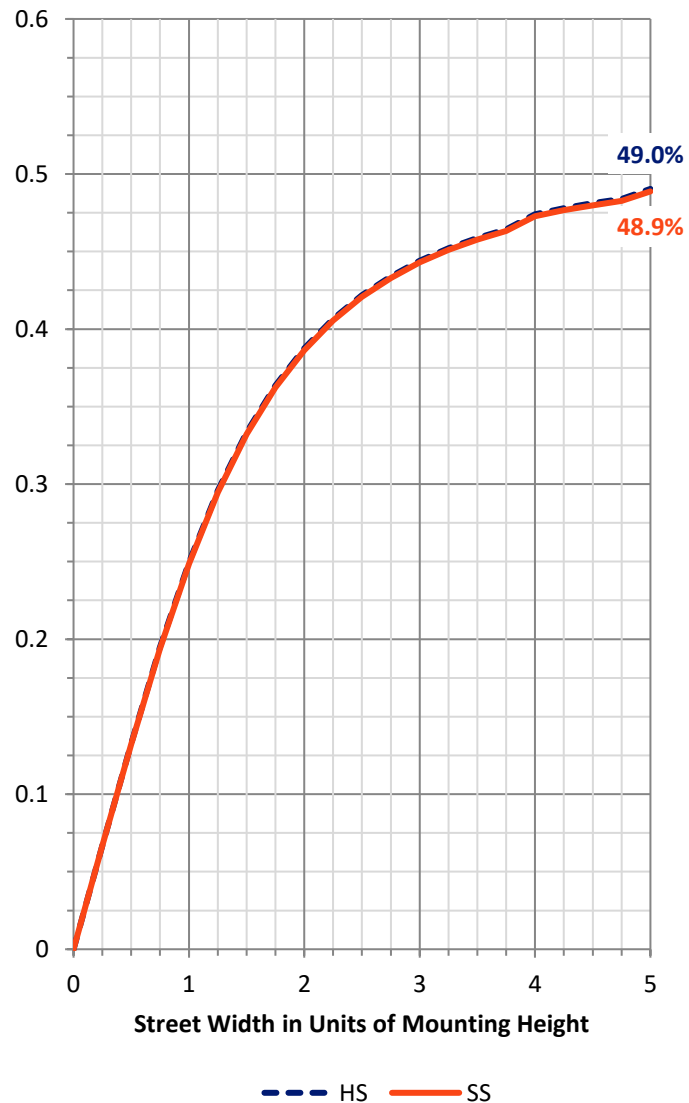
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2659.5	0.0	2659.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2659.5	0.0	2659.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5319.0	0.0	5319.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	0.5
10°-20°	84.9	1.6
20°-30°	178.3	3.4
30°-40°	339.0	6.4
40°-50°	630.1	11.8
50°-60°	1116.6	21.0
60°-70°	1450.2	27.3
70°-80°	1155.1	21.7
80°-90°	339.8	6.4
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°	5319.0	100.0
0°-180°	5319.0	100.0

Coefficient of Utilization



REPORT NUMBER: P197955

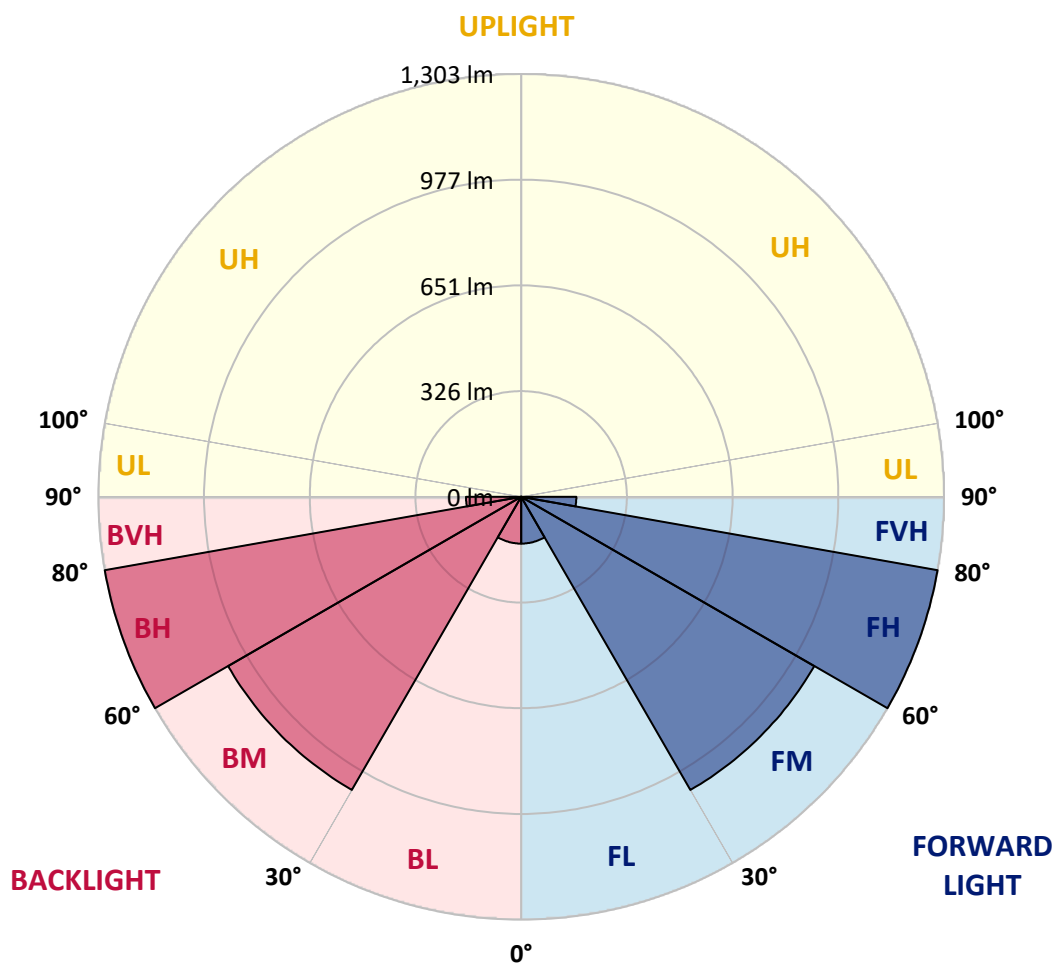
CATALOG NUMBER: TT-C4-LED-E1-RW-LWR-LW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.1	2.7			
FM	(30°-60°)	1042.8	19.6			
FH	(60°-80°)	1302.7	24.5			G1/1800
FVH	(80°-90°)	169.9	3.2			G2/225
BL	(0°-30°)	144.1	2.7	B1/500		
BM	(30°-60°)	1042.8	19.6	B2/2500		
BH	(60°-80°)	1302.7	24.5	B3/2500		G3/2500
BVH	(80°-90°)	169.9	3.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



REPORT NUMBER: P197955

CATALOG NUMBER: TT-C4-LED-E1-RW-LWR-LW-7050

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	249.9	249.9	249.9	249.9	249.9
2.5°	252.2	252.2	253.4	253.4	253.4
5°	256.9	256.9	258.1	258.1	256.9
7.5°	262.8	265.1	264.0	261.6	261.6
10°	272.2	273.4	271.0	269.8	268.7
12.5°	283.9	285.1	280.4	279.2	276.9
15°	300.3	299.2	294.5	289.8	289.8
17.5°	322.6	315.6	307.4	303.9	301.5
20°	348.4	339.1	328.5	320.3	319.1
22.5°	377.8	364.9	350.8	339.1	337.9
25°	405.9	395.4	377.8	362.5	357.8
27.5°	436.4	428.2	405.9	388.3	384.8
30°	471.6	464.6	438.8	422.4	421.2
32.5°	512.7	503.3	475.1	463.4	462.2
35°	562.0	544.4	519.7	511.5	525.6
37.5°	608.9	588.9	569.0	583.1	594.8
40°	650.0	637.1	627.7	657.0	673.4
42.5°	689.8	682.8	689.8	733.3	783.7
45°	732.1	734.4	760.2	878.7	969.1
47.5°	781.4	782.5	843.5	1025.4	1111.0
50°	835.3	834.1	942.1	1135.7	1272.9
52.5°	888.1	892.8	1040.6	1372.7	1627.2
55°	935.0	960.9	1174.4	1610.8	1779.8
57.5°	976.1	1025.4	1299.9	1681.2	1810.3
60°	1020.7	1102.8	1387.9	1695.3	1809.1
62.5°	1064.1	1163.8	1406.7	1757.5	1925.2
65°	1104.0	1192.0	1434.8	1846.6	1996.8
67.5°	1136.8	1206.1	1434.8	1769.2	1878.3
70°	1163.8	1188.5	1351.5	1629.6	1732.8
72.5°	1158.0	1115.7	1214.3	1458.3	1518.1
75°	1102.8	987.8	1070.0	1227.2	1287.0
77.5°	964.4	827.1	871.7	989.0	1027.7
80°	763.8	645.3	671.1	746.2	757.9
82.5°	538.5	463.4	472.8	530.3	538.5
85°	316.8	285.1	275.7	327.3	343.7
87.5°	93.9	82.1	81.0	98.5	109.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)