

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: P198087

Luminaire Tested: **TT-C1-LED-E1-RW-SG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C1-LED-E1-RW-SG-LWR-LW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING 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: 2568.8 lumens
Efficiency: N/A
Efficacy: 91.7 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): 28
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



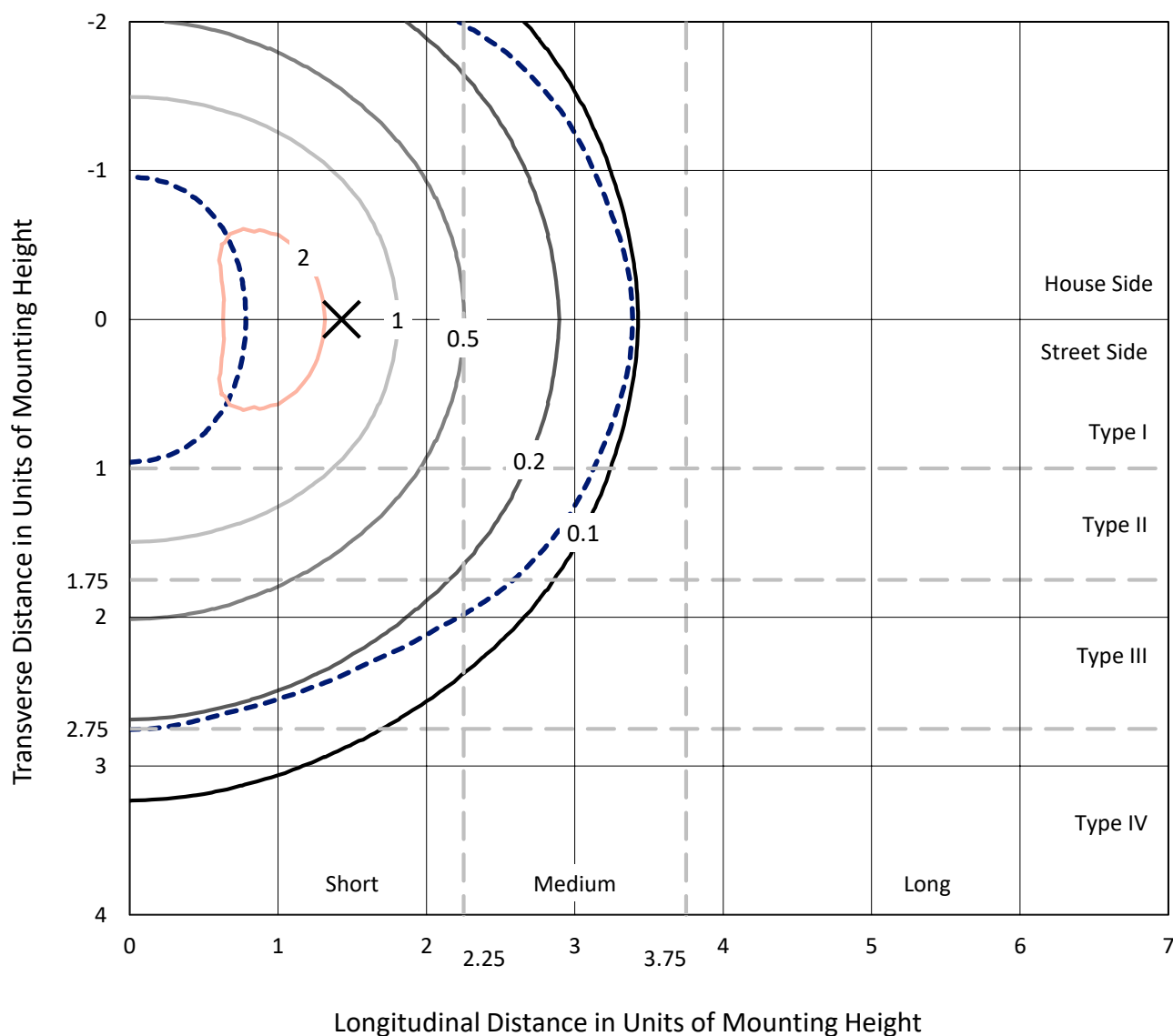
REPORT NUMBER: P198087

CATALOG NUMBER: TT-C1-LED-E1-RW-SG-LWR-LW-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

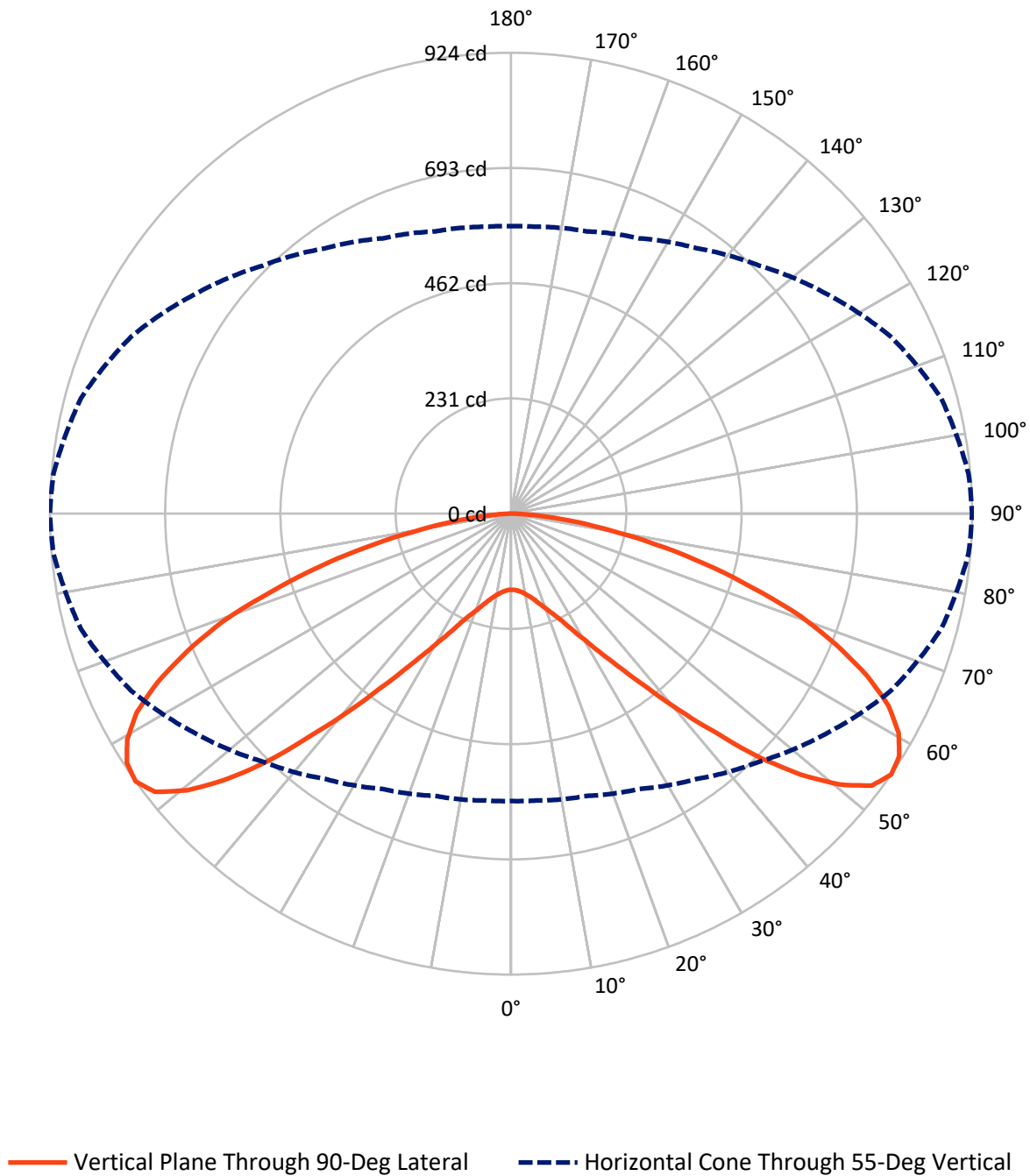


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P198087

CATALOG NUMBER: TT-C1-LED-E1-RW-SG-LWR-LW-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P198087

CATALOG NUMBER: TT-C1-LED-E1-RW-SG-LWR-LW-7050

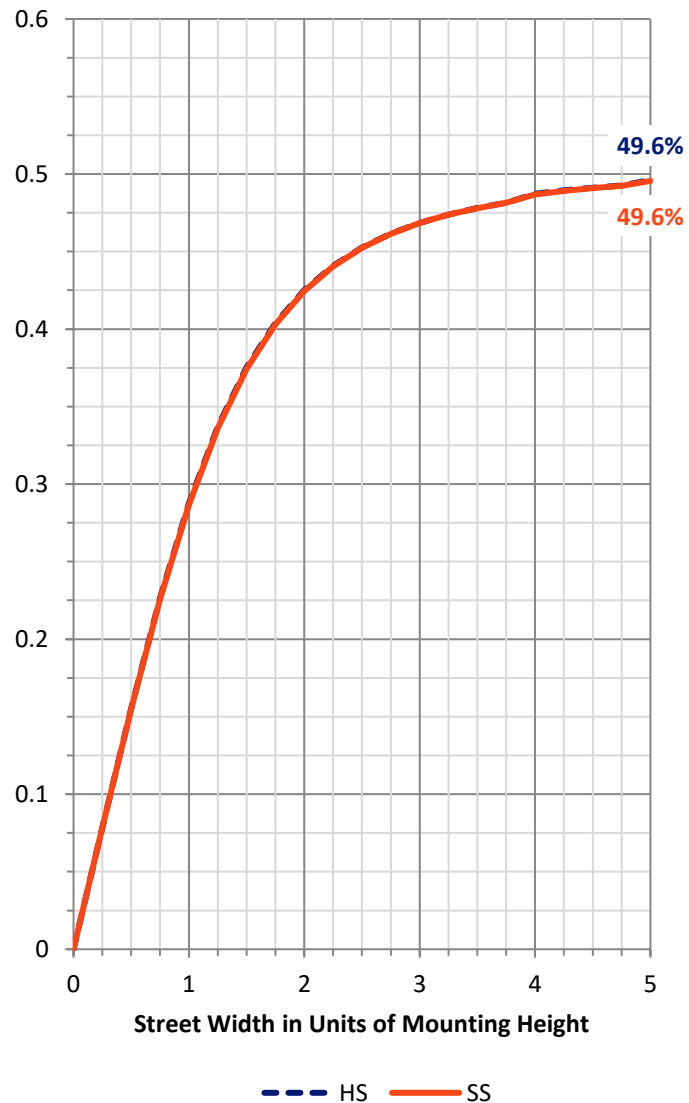
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1284.4	0.0	1284.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1284.4	0.0	1284.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2568.8	0.0	2568.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.6
10°-20°	52.4	2.0
20°-30°	114.5	4.5
30°-40°	230.3	9.0
40°-50°	435.4	16.9
50°-60°	642.2	25.0
60°-70°	632.5	24.6
70°-80°	368.3	14.3
80°-90°	78.0	3.0
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°	2568.8	100.0
0°-180°	2568.8	100.0

Coefficient of Utilization

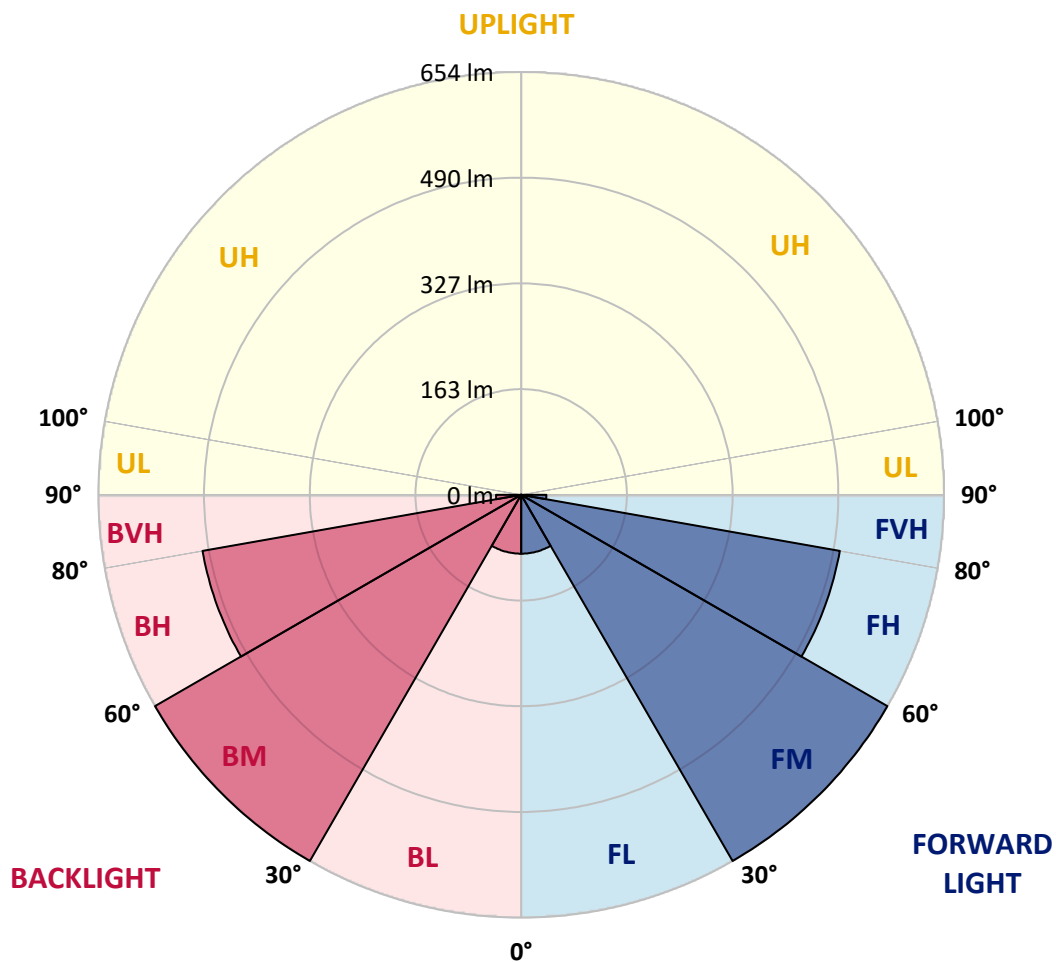


CATALOG NUMBER: TT-C1-LED-E1-RW-SG-LWR-LW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

				Zone Rating/Lumen Limit		
Zone		Lumens	% Fixture	B	U	G
FL	(0°-30°)	91.1	3.5			
FM	(30°-60°)	653.9	25.5			
FH	(60°-80°)	500.4	19.5			G0/660
FVH	(80°-90°)	39.0	1.5			G1/100
BL	(0°-30°)	91.1	3.5	B0/110		
BM	(30°-60°)	653.9	25.5	B1/1000		
BH	(60°-80°)	500.4	19.5	B2/1000		G2/1000
BVH	(80°-90°)	39.0	1.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

Type III Short



REPORT NUMBER: P198087

CATALOG NUMBER: TT-C1-LED-E1-RW-SG-LWR-LW-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6
2.5°	153.8	153.8	153.8	153.8	153.2	153.8	153.2	153.2	153.2	153.2	153.2
5°	155.5	156.1	155.5	155.5	155.5	155.5	155.5	155.5	154.9	154.9	155.5
7.5°	159.7	159.7	159.7	159.7	159.1	159.7	159.1	159.1	159.1	159.1	159.1
10°	165.6	165.6	165.6	165.6	165.0	165.0	165.0	164.4	164.4	164.4	164.4
12.5°	172.8	173.4	173.4	172.8	172.2	172.2	171.6	171.6	171.6	171.6	171.0
15°	183.4	182.9	182.9	181.7	181.7	180.5	181.1	180.5	179.9	179.3	179.9
17.5°	194.1	194.7	194.7	193.5	192.9	192.4	191.2	191.2	190.6	191.2	191.2
20°	210.8	210.8	209.6	208.4	206.6	206.0	204.8	204.8	203.6	204.8	204.8
22.5°	227.4	227.4	226.2	225.6	223.2	221.4	220.8	220.3	219.7	220.8	219.7
25°	248.2	248.2	247.0	244.6	242.2	241.6	239.8	239.8	240.4	241.0	238.7
27.5°	269.5	270.1	268.9	267.2	264.8	262.4	262.4	263.0	263.6	266.0	265.4
30°	295.7	295.1	293.3	290.9	289.7	287.9	288.5	290.9	293.3	295.7	295.7
32.5°	322.4	321.8	321.2	318.8	318.2	317.6	320.6	325.3	330.1	331.9	334.8
35°	350.9	350.9	350.3	348.5	349.7	352.6	357.4	366.3	373.4	381.7	381.7
37.5°	382.3	381.1	381.7	381.7	384.7	390.0	401.3	418.5	433.4	441.7	441.7
40°	415.0	413.2	413.8	416.8	422.1	435.2	454.8	478.5	502.3	512.9	516.5
42.5°	446.4	444.7	447.0	450.0	463.1	483.3	512.3	548.6	582.4	599.0	598.4
45°	475.5	476.7	479.7	486.8	505.8	535.5	577.1	625.7	669.7	689.3	696.4
47.5°	504.6	505.2	509.4	521.8	548.6	586.0	636.4	701.1	749.8	773.0	781.9
50°	531.9	533.1	540.2	558.1	589.5	634.6	697.0	765.8	819.3	846.6	854.3
52.5°	556.3	557.5	565.8	587.7	625.1	677.4	742.7	813.3	869.7	901.2	906.0
55°	576.5	577.6	586.0	609.1	649.5	703.5	770.0	840.1	892.9	920.8	924.4
57.5°	588.3	588.9	597.8	621.6	661.4	711.8	775.9	843.6	889.9	914.9	917.8
60°	588.9	590.1	598.4	619.8	656.6	702.9	764.1	824.6	866.8	889.3	892.9
62.5°	578.2	578.8	586.0	602.6	634.0	674.4	730.8	785.4	823.4	845.4	849.6
65°	553.9	553.9	557.5	569.9	594.3	628.7	676.8	727.3	762.3	782.5	784.8
67.5°	513.5	513.5	514.1	522.4	539.1	566.4	607.3	649.5	680.9	701.1	704.1
70°	461.9	461.3	456.5	461.9	472.6	495.7	531.9	564.0	589.5	605.6	616.2
72.5°	396.6	394.2	390.6	389.5	400.1	420.3	450.0	472.0	486.2	503.4	504.6
75°	320.6	319.4	314.6	314.6	325.3	341.4	365.1	380.0	387.1	398.4	400.7
77.5°	239.3	238.7	240.4	241.0	247.0	264.2	277.8	288.5	286.7	293.9	296.2
80°	167.4	168.6	168.6	168.0	173.9	180.5	195.3	198.3	195.9	198.3	198.3
82.5°	106.3	105.7	104.5	106.3	111.0	116.4	122.3	122.9	124.7	122.9	124.1
85°	53.4	52.8	54.0	54.6	57.0	60.0	65.3	66.5	63.5	63.5	62.3
87.5°	18.4	19.6	18.4	19.0	19.0	22.0	21.4	21.4	21.4	21.4	22.6
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)