

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: P198017

Luminaire Tested: **TT-C2-LED-E1-RW-CG-LWR-LW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198017
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-C2-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: 2780.8 lumens
Efficiency: N/A
Efficacy: 81.8 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): 34
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



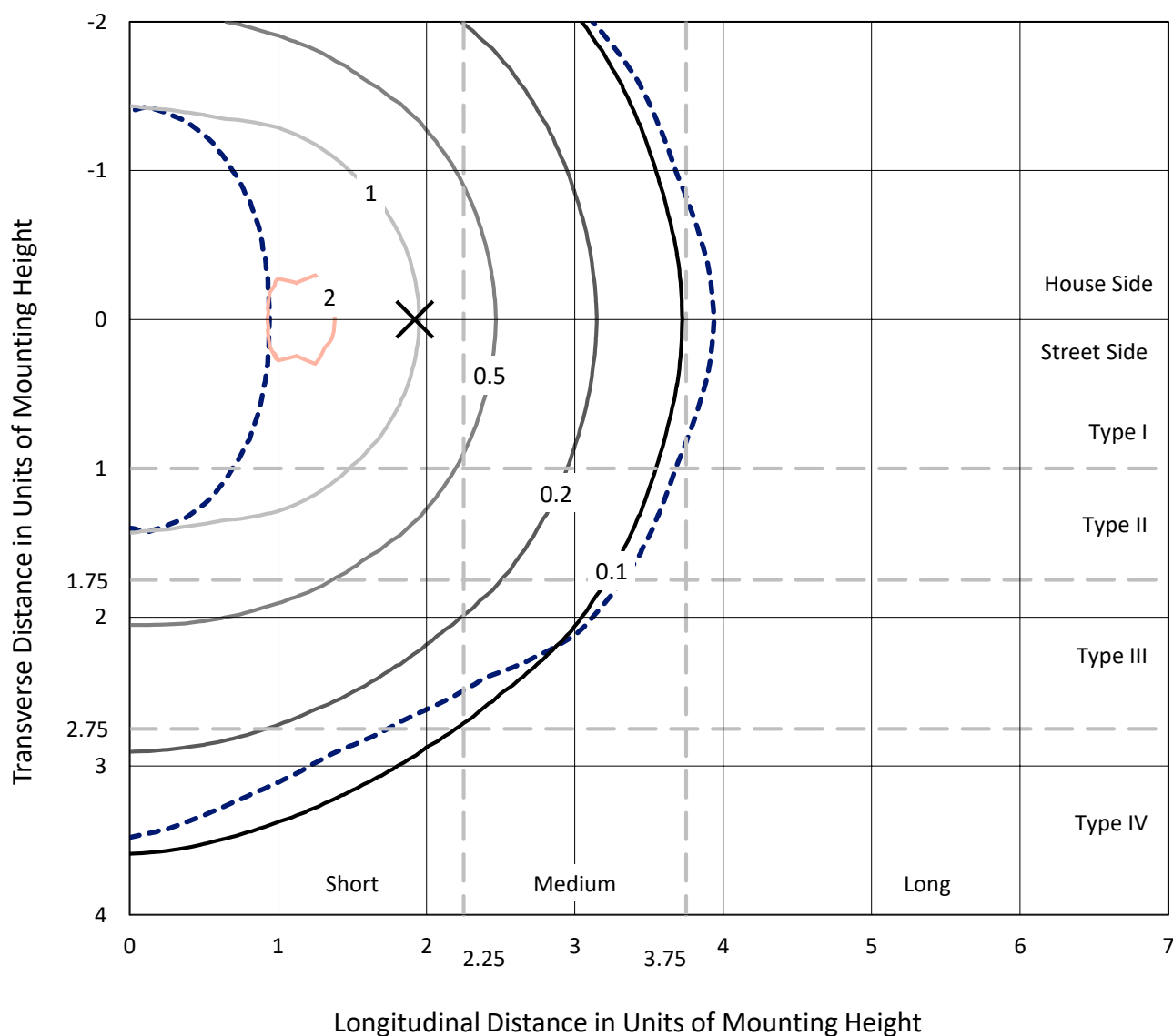
REPORT NUMBER: P198017

CATALOG NUMBER: TT-C2-LED-E1-RW-CG-LWR-LW-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

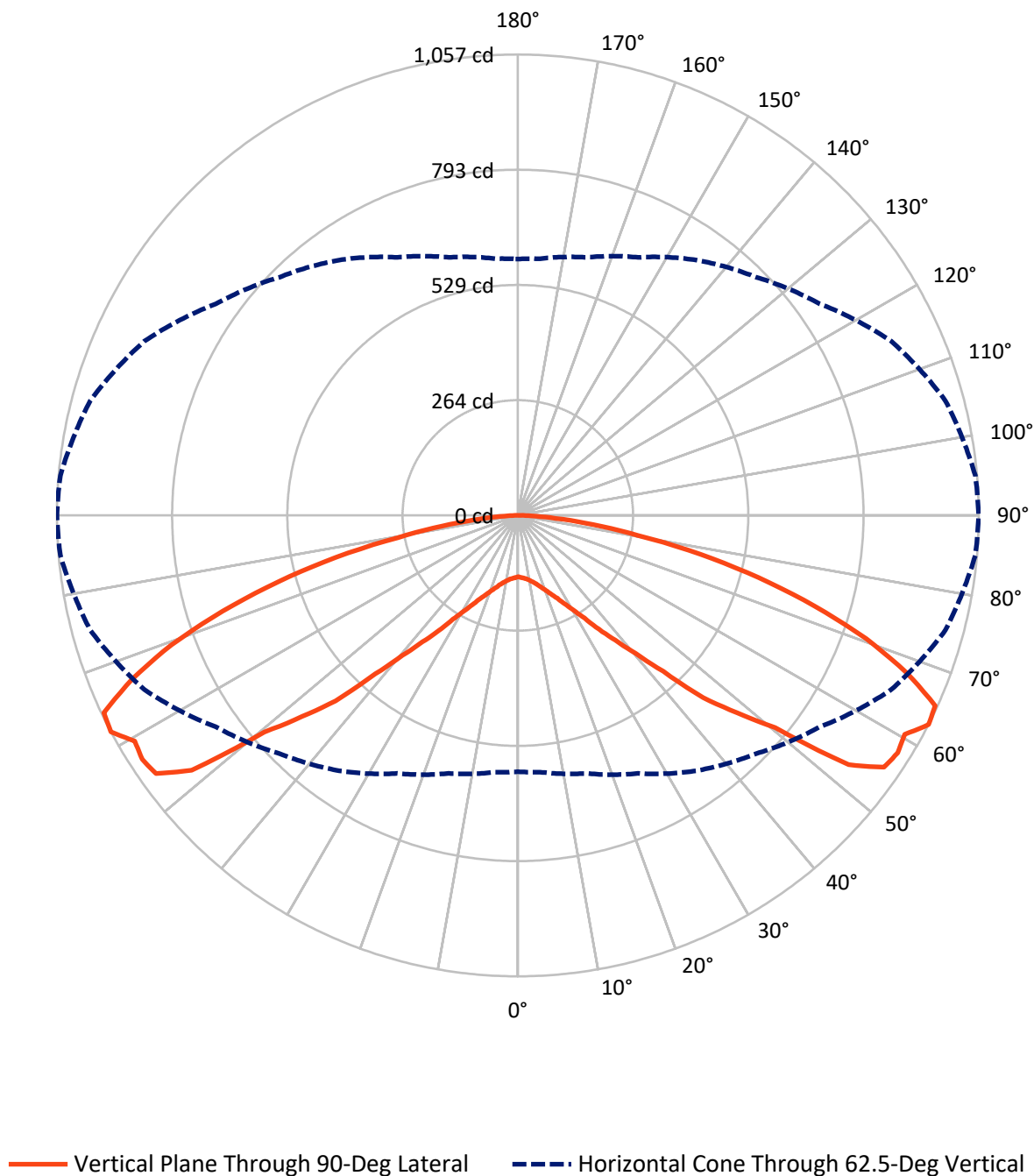


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198017

CATALOG NUMBER: TT-C2-LED-E1-RW-CG-LWR-LW-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P198017

CATALOG NUMBER: TT-C2-LED-E1-RW-CG-LWR-LW-8030

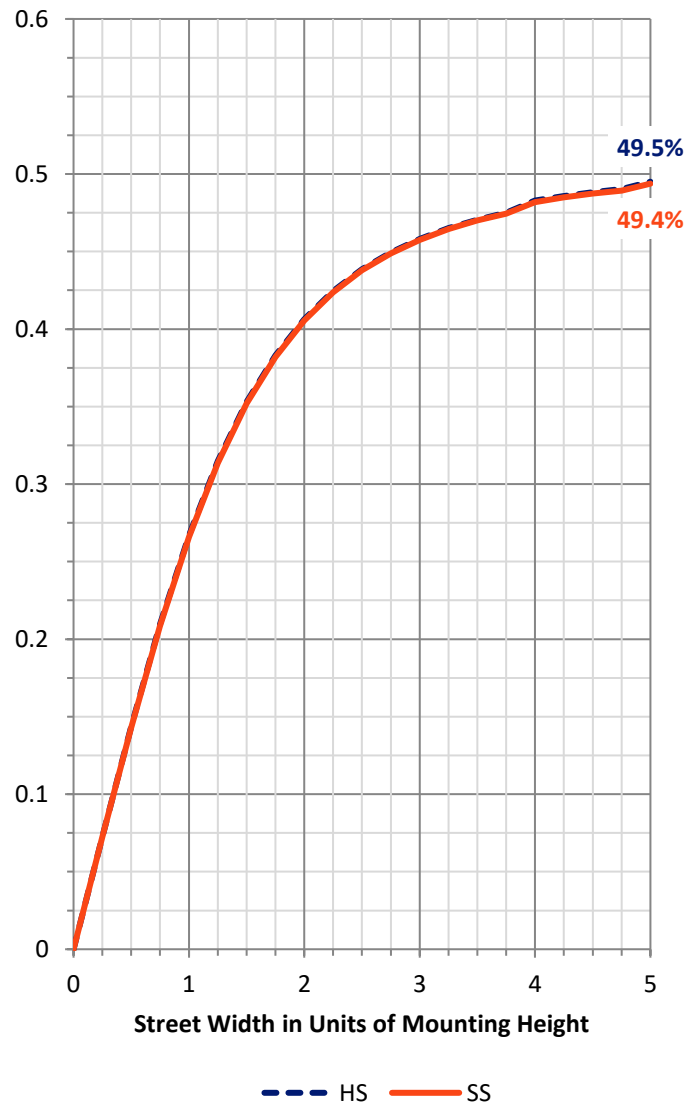
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1390.4	0.0	1390.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1390.4	0.0	1390.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2780.8	0.0	2780.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.5
10°-20°	47.9	1.7
20°-30°	102.3	3.7
30°-40°	198.9	7.2
40°-50°	375.0	13.5
50°-60°	640.8	23.0
60°-70°	771.6	27.7
70°-80°	519.3	18.7
80°-90°	111.1	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°	2780.8	100.0
0°-180°	2780.8	100.0

Coefficient of Utilization



REPORT NUMBER: P198017

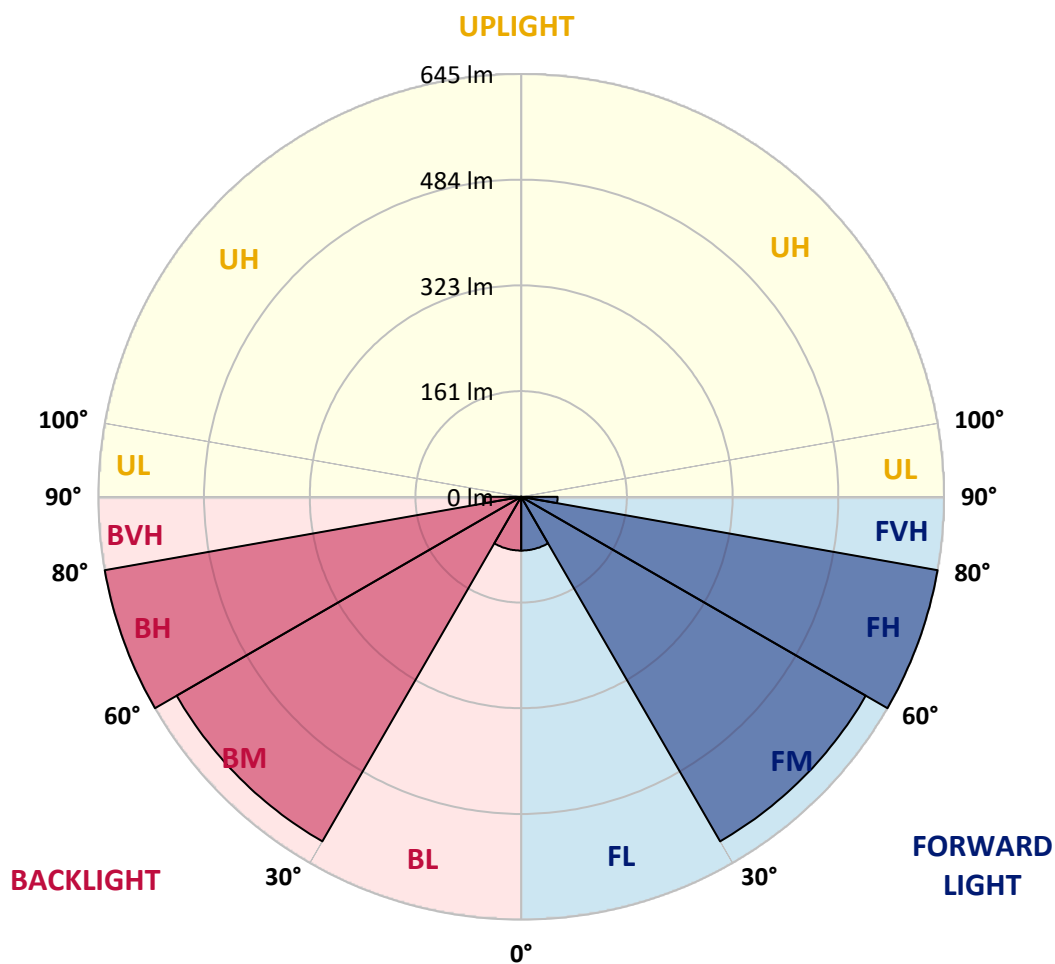
CATALOG NUMBER: TT-C2-LED-E1-RW-CG-LWR-LW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.1	3.0			
FM	(30°-60°)	607.3	21.8			
FH	(60°-80°)	645.5	23.2			G0/660
FVH	(80°-90°)	55.5	2.0			G1/100
BL	(0°-30°)	82.1	3.0	B0/110		
BM	(30°-60°)	607.3	21.8	B1/1000		
BH	(60°-80°)	645.5	23.2	B2/1000		G2/1000
BVH	(80°-90°)	55.5	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



REPORT NUMBER: P198017

CATALOG NUMBER: TT-C2-LED-E1-RW-CG-LWR-LW-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6
2.5°	141.9	141.9	141.9	141.9	141.9	141.9	142.6	142.6	142.6	142.6	142.6
5°	143.9	143.9	144.5	144.5	145.2	145.2	145.2	145.2	144.5	144.5	144.5
7.5°	147.1	147.1	147.8	148.4	148.4	147.8	147.8	147.1	147.1	147.1	147.1
10°	152.3	152.3	153.0	153.0	152.3	152.3	152.3	151.7	151.7	151.7	151.7
12.5°	158.2	158.8	159.5	158.8	158.2	157.5	157.5	156.9	156.9	156.9	156.9
15°	166.6	167.9	167.3	167.3	166.6	165.3	164.7	164.0	164.0	164.0	164.0
17.5°	179.7	179.7	177.7	176.4	175.1	174.4	173.8	173.1	173.1	173.1	173.1
20°	193.3	192.7	190.7	188.8	186.8	186.2	184.2	183.6	184.2	183.6	183.6
22.5°	209.6	208.9	206.3	204.4	201.8	199.2	198.5	196.6	195.9	195.3	195.9
25°	225.9	226.5	224.6	222.6	218.7	216.1	213.5	212.2	210.9	210.3	210.3
27.5°	244.8	246.1	244.8	240.8	236.9	235.0	231.1	229.8	229.1	229.8	229.8
30°	264.9	265.6	263.6	261.7	257.8	253.2	250.6	251.3	251.3	253.2	252.6
32.5°	289.7	289.0	286.4	285.1	281.2	277.3	276.0	276.6	279.2	280.6	280.6
35°	317.0	315.1	312.4	309.8	306.6	304.0	304.6	309.8	317.7	319.6	320.9
37.5°	344.3	341.1	341.1	337.2	334.6	336.5	340.4	350.2	356.1	365.2	363.2
40°	369.7	370.4	369.1	365.8	365.2	371.7	380.1	392.5	407.5	416.6	415.9
42.5°	393.2	399.0	395.1	395.8	399.0	409.4	423.1	447.2	477.1	488.8	488.8
45°	419.2	426.4	423.1	425.1	434.2	450.4	479.7	527.3	568.3	596.3	596.3
47.5°	445.9	452.4	451.1	455.0	471.3	499.9	544.8	604.1	645.1	672.4	676.3
50°	479.7	477.1	477.8	487.5	515.5	557.2	614.5	673.1	740.8	757.0	764.8
52.5°	509.0	501.2	505.8	522.0	562.4	611.2	682.2	785.7	879.4	944.5	949.7
55°	533.1	527.3	536.4	559.1	611.2	675.7	768.1	895.0	972.5	1012.2	1019.4
57.5°	553.9	551.3	566.3	595.6	662.0	740.8	834.5	937.3	991.4	1022.0	1027.2
60°	572.8	574.8	591.0	630.1	701.7	774.0	849.5	936.0	990.1	1014.2	1019.4
62.5°	587.8	591.0	612.5	652.9	714.7	772.7	845.6	945.2	1015.5	1053.2	1057.1
65°	597.6	600.8	624.9	652.9	710.8	766.8	869.6	954.3	1006.3	1044.7	1051.9
67.5°	598.9	603.4	617.7	641.2	690.0	739.5	828.0	889.2	930.8	954.3	960.8
70°	591.0	589.7	595.0	604.7	634.0	667.9	742.7	788.3	818.2	842.3	848.2
72.5°	561.1	559.1	546.8	535.7	546.8	573.5	637.9	668.5	688.7	708.2	712.1
75°	503.8	494.7	464.1	448.5	445.2	468.7	518.1	537.7	545.5	567.6	570.2
77.5°	402.9	399.0	373.0	345.6	343.0	357.4	395.1	403.6	397.1	421.2	428.3
80°	294.2	289.0	264.3	244.1	238.9	248.7	270.8	272.7	268.2	279.9	279.9
82.5°	188.1	182.9	172.5	157.5	146.5	152.3	169.2	169.2	169.2	172.5	174.4
85°	97.0	95.0	87.2	80.1	76.2	77.5	83.3	84.0	87.2	89.2	86.6
87.5°	27.3	28.6	27.3	24.1	23.4	22.8	25.4	26.0	28.0	29.3	30.6
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)