

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: P198020

Luminaire Tested: **TT-C2-LED-E1-RW-CG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198020
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-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: 3008.2 lumens
Efficiency: N/A
Efficacy: 88.5 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

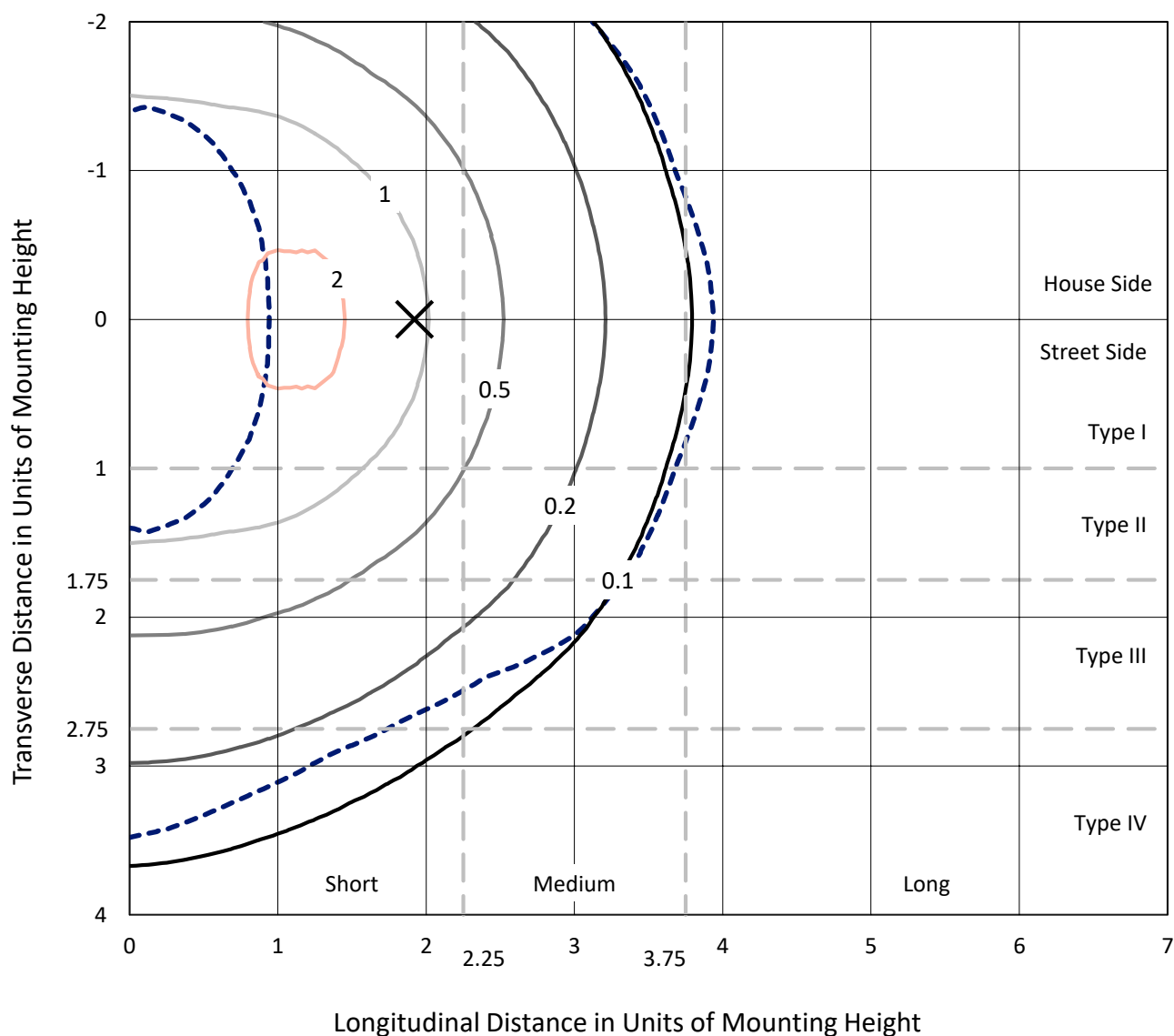


REPORT NUMBER: P198020

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

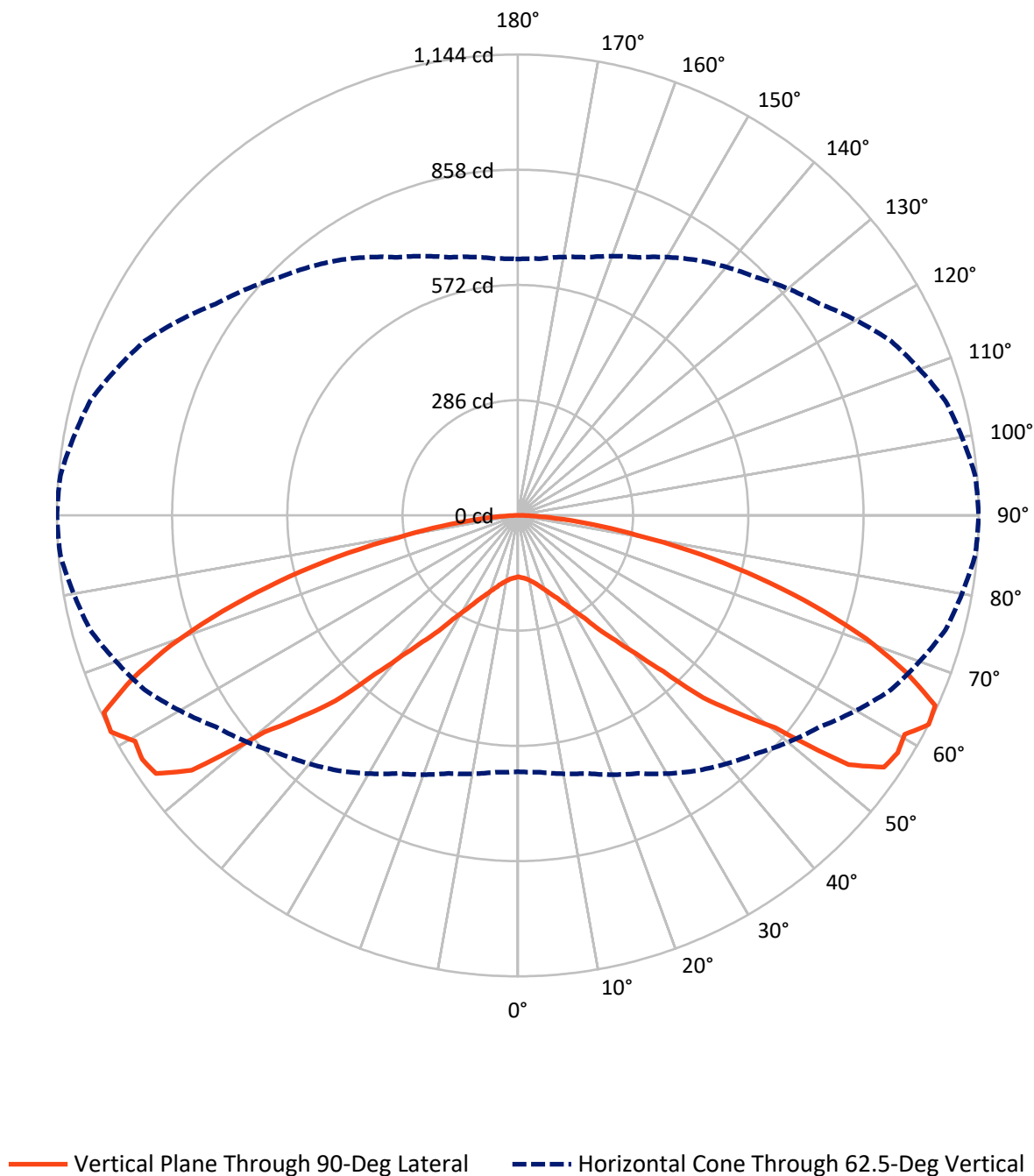


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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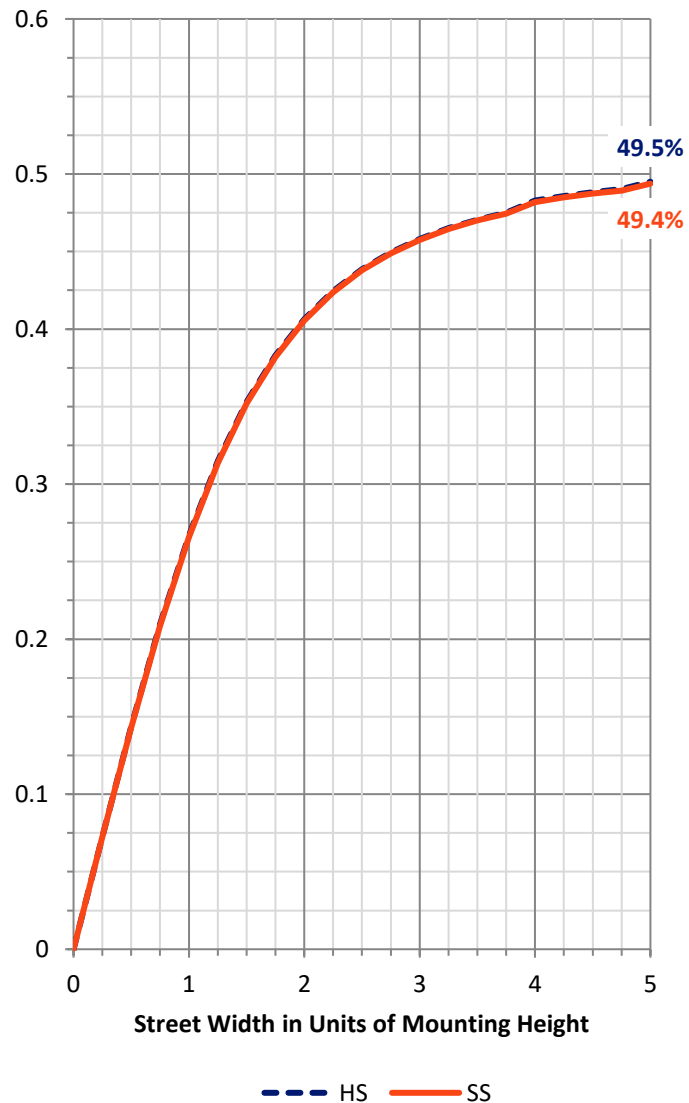
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1504.1	0.0	1504.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1504.1	0.0	1504.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3008.2	0.0	3008.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.5
10°-20°	51.8	1.7
20°-30°	110.6	3.7
30°-40°	215.1	7.2
40°-50°	405.7	13.5
50°-60°	693.2	23.0
60°-70°	834.7	27.7
70°-80°	561.7	18.7
80°-90°	120.2	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°	3008.2	100.0
0°-180°	3008.2	100.0

Coefficient of Utilization



REPORT NUMBER: P198020

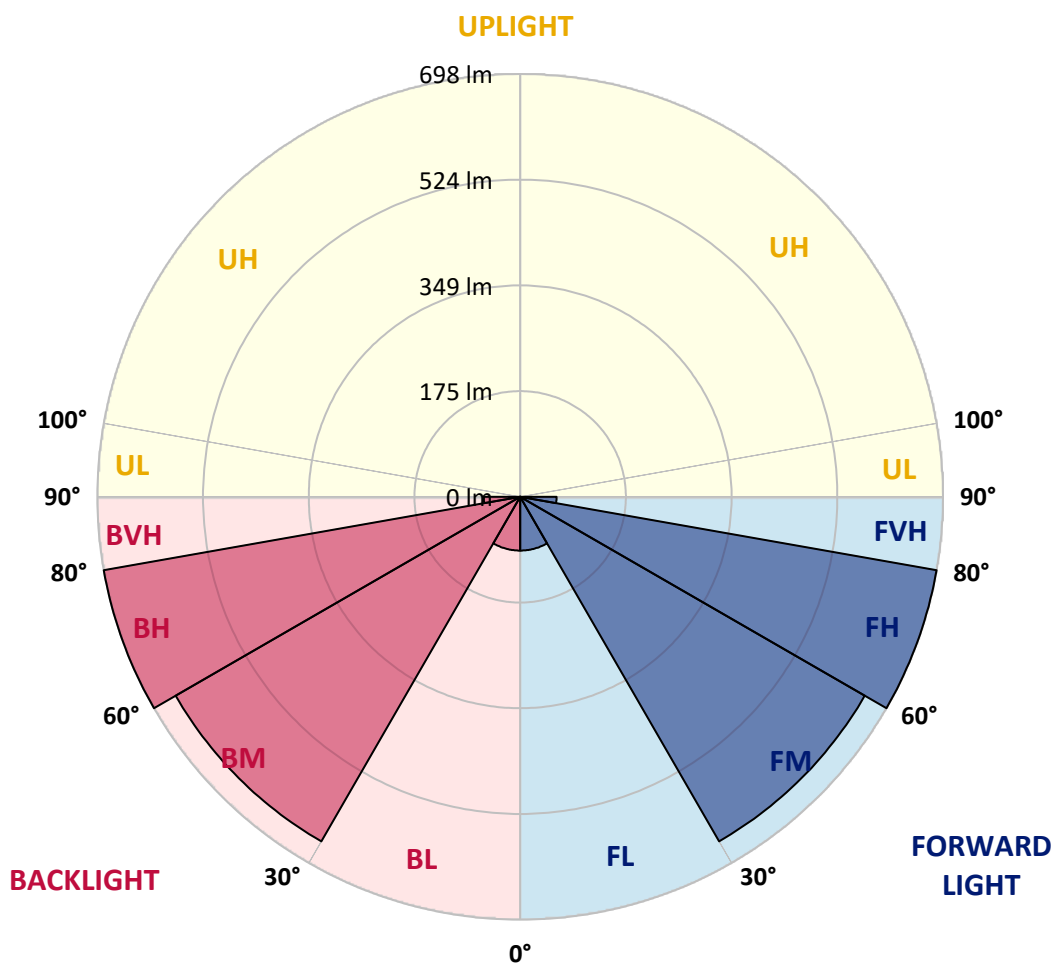
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	88.8	3.0			
FM	(30°-60°)	657.0	21.8			
FH	(60°-80°)	698.2	23.2			G1/1800
FVH	(80°-90°)	60.1	2.0			G1/100
BL	(0°-30°)	88.8	3.0	B0/110		
BM	(30°-60°)	657.0	21.8	B1/1000		
BH	(60°-80°)	698.2	23.2	B2/1000		G2/1000
BVH	(80°-90°)	60.1	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°	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1
2.5°	153.5	153.5	153.5	153.5	153.5	153.5	154.2	154.2	154.2	154.2	154.2
5°	155.6	155.6	156.3	156.3	157.0	157.0	157.0	157.0	156.3	156.3	156.3
7.5°	159.1	159.1	159.8	160.5	160.5	159.8	159.8	159.1	159.1	159.1	159.1
10°	164.8	164.8	165.5	165.5	164.8	164.8	164.8	164.1	164.1	164.1	164.1
12.5°	171.1	171.8	172.5	171.8	171.1	170.4	170.4	169.7	169.7	169.7	169.7
15°	180.3	181.7	181.0	181.0	180.3	178.9	178.2	177.4	177.4	177.4	177.4
17.5°	194.3	194.3	192.2	190.8	189.4	188.7	188.0	187.3	187.3	187.3	187.3
20°	209.1	208.4	206.3	204.2	202.1	201.4	199.3	198.6	199.3	198.6	198.6
22.5°	226.7	226.0	223.2	221.1	218.3	215.5	214.8	212.7	212.0	211.2	212.0
25°	244.3	245.0	242.9	240.8	236.6	233.8	231.0	229.6	228.1	227.4	227.4
27.5°	264.8	266.2	264.8	260.5	256.3	254.2	250.0	248.6	247.9	248.6	248.6
30°	286.6	287.3	285.2	283.1	278.8	273.9	271.1	271.8	271.8	273.9	273.2
32.5°	313.4	312.6	309.8	308.4	304.2	300.0	298.6	299.3	302.1	303.5	303.5
35°	342.9	340.8	338.0	335.2	331.7	328.8	329.5	335.2	343.6	345.7	347.2
37.5°	372.5	369.0	369.0	364.8	361.9	364.1	368.3	378.8	385.2	395.0	392.9
40°	400.0	400.7	399.3	395.7	395.0	402.1	411.2	424.6	440.8	450.7	450.0
42.5°	425.3	431.7	427.4	428.1	431.7	442.9	457.7	483.8	516.1	528.8	528.8
45°	453.5	461.2	457.7	459.8	469.7	487.3	519.0	570.4	614.7	645.0	645.0
47.5°	482.4	489.4	488.0	492.2	509.8	540.8	589.4	653.5	697.8	727.4	731.6
50°	519.0	516.1	516.9	527.4	557.7	602.8	664.7	728.1	801.3	818.9	827.4
52.5°	550.7	542.2	547.1	564.7	608.4	661.2	738.0	849.9	951.3	1021.7	1027.4
55°	576.7	570.4	580.2	604.9	661.2	730.9	830.9	968.2	1052.0	1095.0	1102.7
57.5°	599.2	596.4	612.6	644.3	716.1	801.3	902.7	1014.0	1072.4	1105.5	1111.2
60°	619.7	621.8	639.4	681.6	759.1	837.2	918.9	1012.6	1071.0	1097.1	1102.7
62.5°	635.9	639.4	662.6	706.3	773.2	835.8	914.7	1022.4	1098.5	1139.3	1143.6
65°	646.4	649.9	676.0	706.3	768.9	829.5	940.8	1032.3	1088.6	1130.2	1137.9
67.5°	647.8	652.8	668.2	693.6	746.4	799.9	895.7	961.9	1007.0	1032.3	1039.3
70°	639.4	638.0	643.6	654.2	685.9	722.5	803.4	852.7	885.1	911.2	917.5
72.5°	607.0	604.9	591.5	579.5	591.5	620.4	690.1	723.2	745.0	766.1	770.4
75°	545.0	535.2	502.1	485.2	481.6	507.0	560.5	581.6	590.1	614.0	616.8
77.5°	435.9	431.7	403.5	373.9	371.1	386.6	427.4	436.6	429.5	455.6	463.3
80°	318.3	312.6	285.9	264.1	258.4	269.0	292.9	295.0	290.1	302.8	302.8
82.5°	203.5	197.9	186.6	170.4	158.4	164.8	183.1	183.1	183.1	186.6	188.7
85°	104.9	102.8	94.4	86.6	82.4	83.8	90.1	90.8	94.4	96.5	93.7
87.5°	29.6	31.0	29.6	26.1	25.3	24.6	27.5	28.2	30.3	31.7	33.1
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)