

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: P197948

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197948
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-C2-LED-E1-RW-LWR-LW-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3192.4 lumens
Efficiency: N/A
Efficacy: 93.9 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): 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



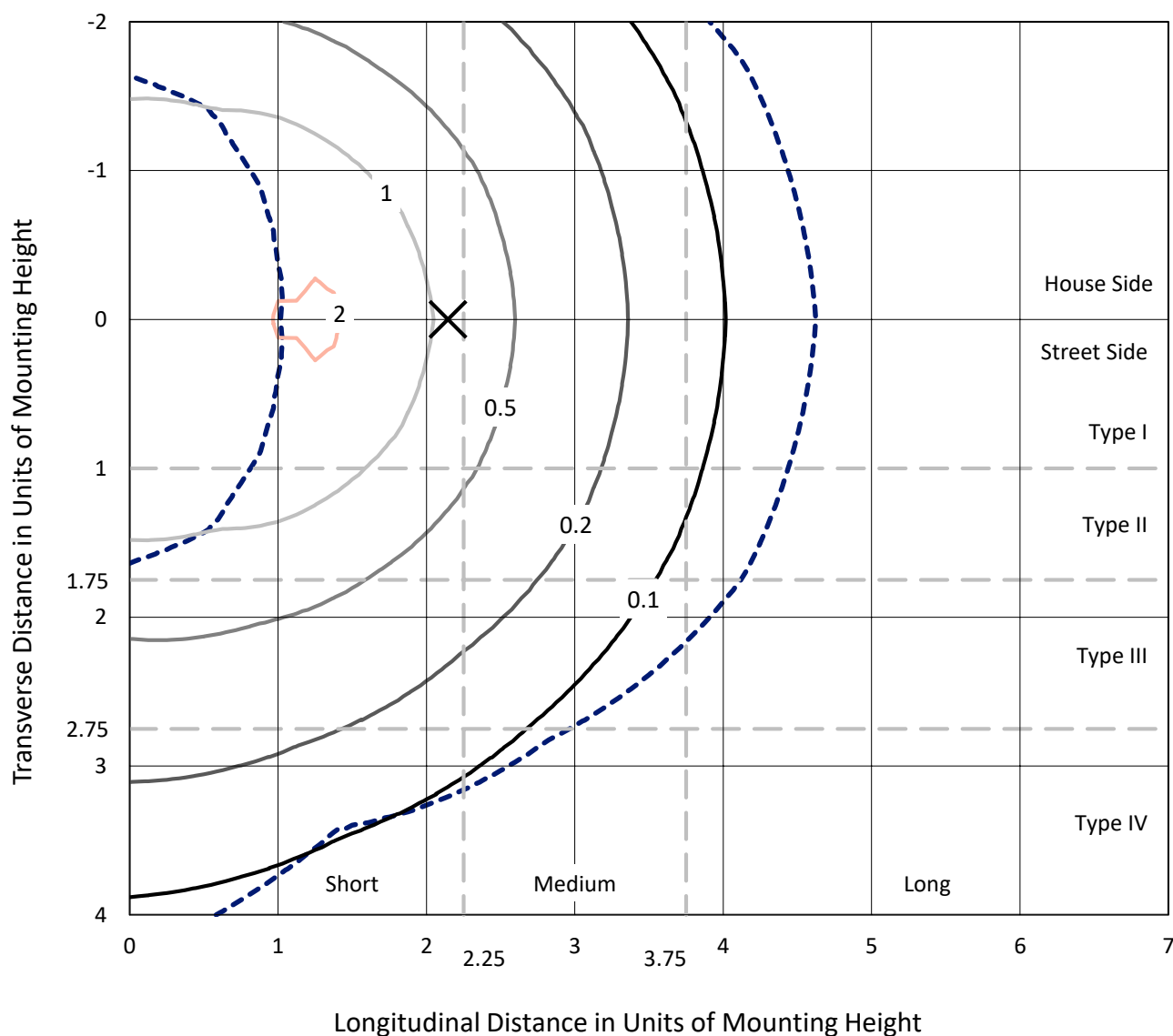
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

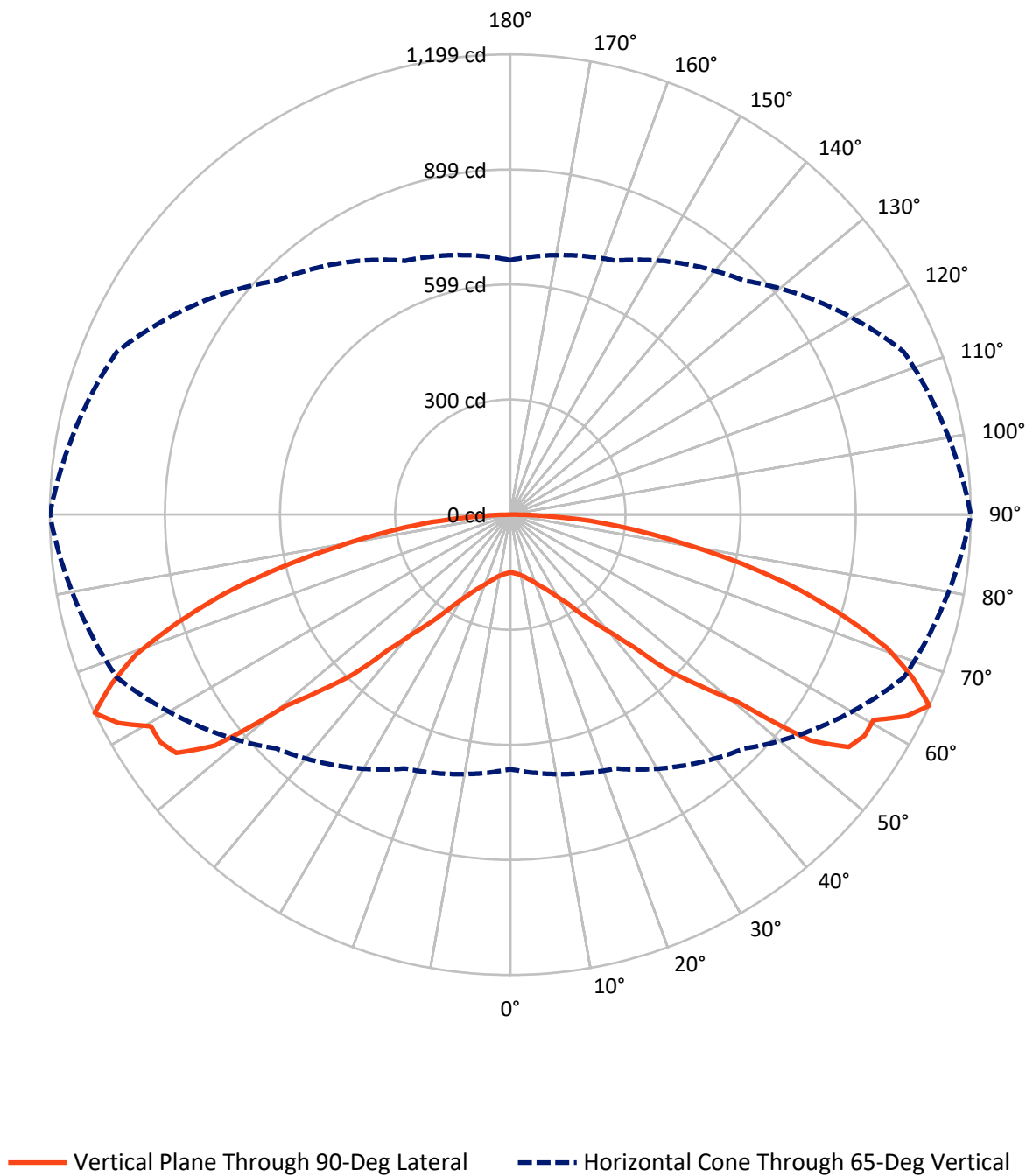


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
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Luminous Intensity Polar Plot



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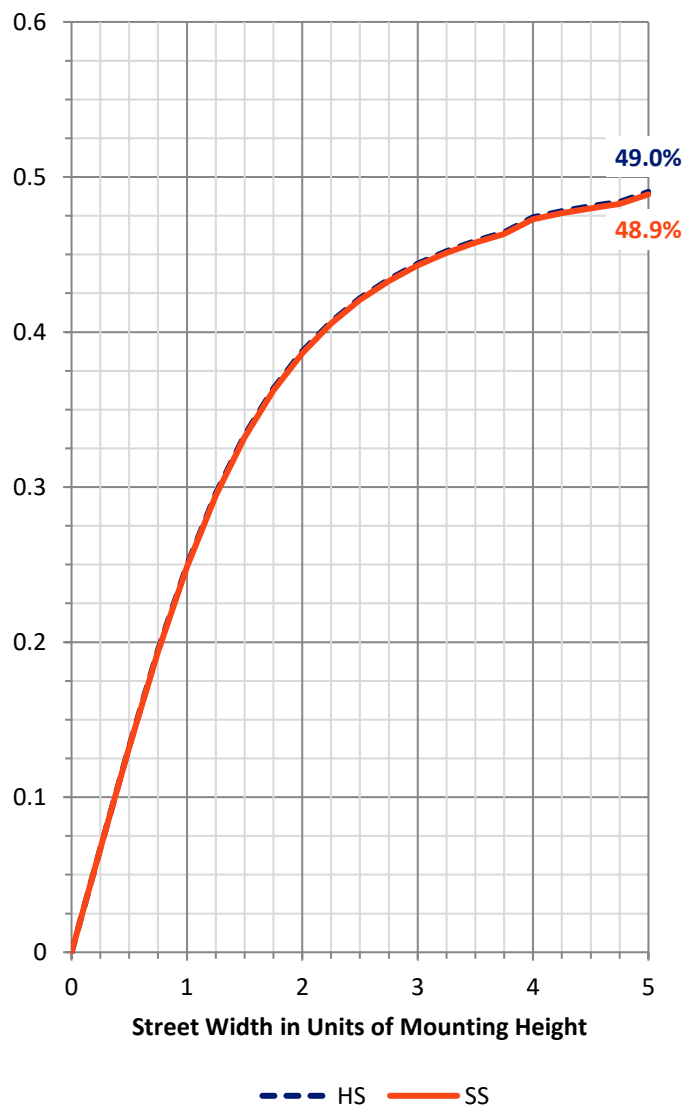
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1596.2	0.0	1596.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1596.2	0.0	1596.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	3192.4	0.0	3192.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	0.5
10°-20°	51.0	1.6
20°-30°	107.0	3.4
30°-40°	203.4	6.4
40°-50°	378.2	11.8
50°-60°	670.2	21.0
60°-70°	870.4	27.3
70°-80°	693.3	21.7
80°-90°	204.0	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°	3192.4	100.0
0°-180°	3192.4	100.0

Coefficient of Utilization



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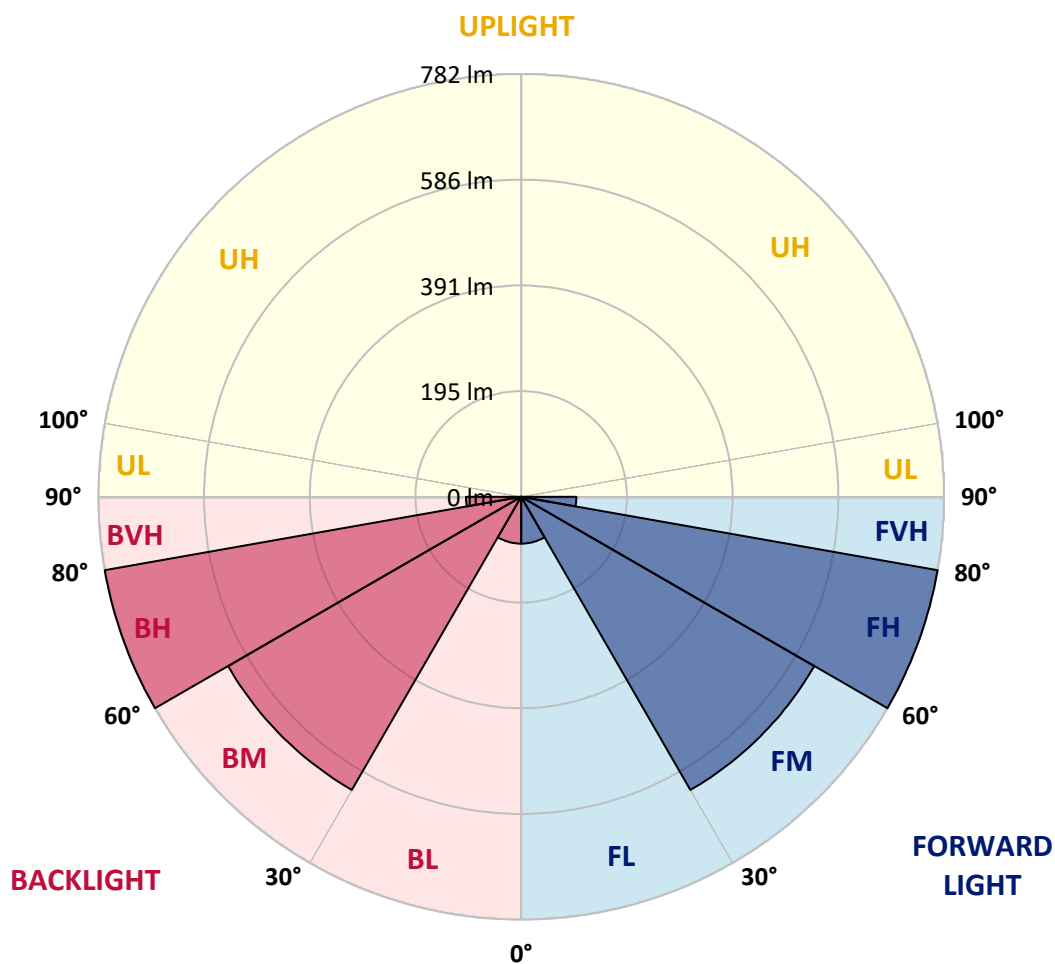
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	86.5	2.7			
FM	(30°-60°)	625.9	19.6			
FH	(60°-80°)	781.9	24.5			G1/1800
FVH	(80°-90°)	102.0	3.2			G2/225
BL	(0°-30°)	86.5	2.7	B0/110		
BM	(30°-60°)	625.9	19.6	B1/1000		
BH	(60°-80°)	781.9	24.5	B2/1000		G2/1000
BVH	(80°-90°)	102.0	3.2			G2/225
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°	22.5°	45°	67.5°	90°
0°	150.0	150.0	150.0	150.0	150.0
2.5°	151.4	151.4	152.1	152.1	152.1
5°	154.2	154.2	154.9	154.9	154.2
7.5°	157.7	159.1	158.4	157.0	157.0
10°	163.4	164.1	162.7	162.0	161.3
12.5°	170.4	171.1	168.3	167.6	166.2
15°	180.3	179.6	176.7	173.9	173.9
17.5°	193.6	189.4	184.5	182.4	181.0
20°	209.1	203.5	197.2	192.2	191.5
22.5°	226.7	219.0	210.5	203.5	202.8
25°	243.6	237.3	226.7	217.6	214.8
27.5°	261.9	257.0	243.6	233.1	231.0
30°	283.1	278.8	263.4	253.5	252.8
32.5°	307.7	302.1	285.2	278.1	277.4
35°	337.3	326.7	311.9	307.0	315.5
37.5°	365.5	353.5	341.5	350.0	357.0
40°	390.1	382.4	376.7	394.3	404.2
42.5°	414.0	409.8	414.0	440.1	470.4
45°	439.4	440.8	456.3	527.4	581.6
47.5°	469.0	469.7	506.3	615.4	666.8
50°	501.4	500.7	565.4	681.6	764.0
52.5°	533.0	535.9	624.6	823.9	976.7
55°	561.2	576.7	704.9	966.8	1068.2
57.5°	585.9	615.4	780.2	1009.1	1086.5
60°	612.6	661.9	833.0	1017.5	1085.8
62.5°	638.7	698.5	844.3	1054.8	1155.5
65°	662.6	715.4	861.2	1108.3	1198.5
67.5°	682.3	723.9	861.2	1061.9	1127.4
70°	698.5	713.3	811.2	978.1	1040.0
72.5°	695.0	669.7	728.8	875.3	911.2
75°	661.9	592.9	642.2	736.6	772.5
77.5°	578.8	496.4	523.2	593.6	616.8
80°	458.4	387.3	402.8	447.8	454.9
82.5°	323.2	278.1	283.8	318.3	323.2
85°	190.1	171.1	165.5	196.5	206.3
87.5°	56.3	49.3	48.6	59.1	65.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)