

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: P197947

Luminaire Tested: **TT-C2-LED-E1-RW-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197947
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-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3266.5 lumens
Efficiency: N/A
Efficacy: 96.1 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



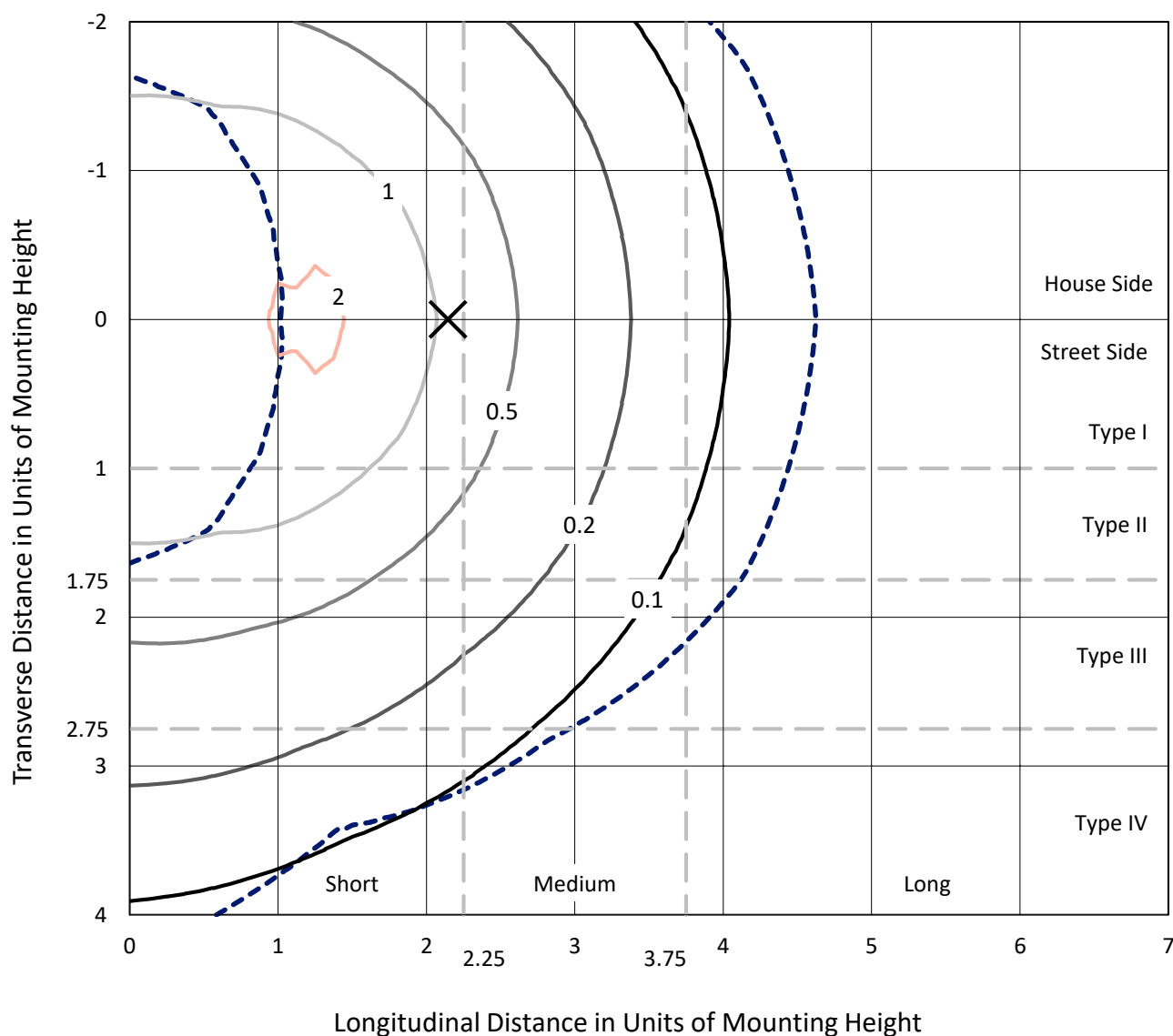
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

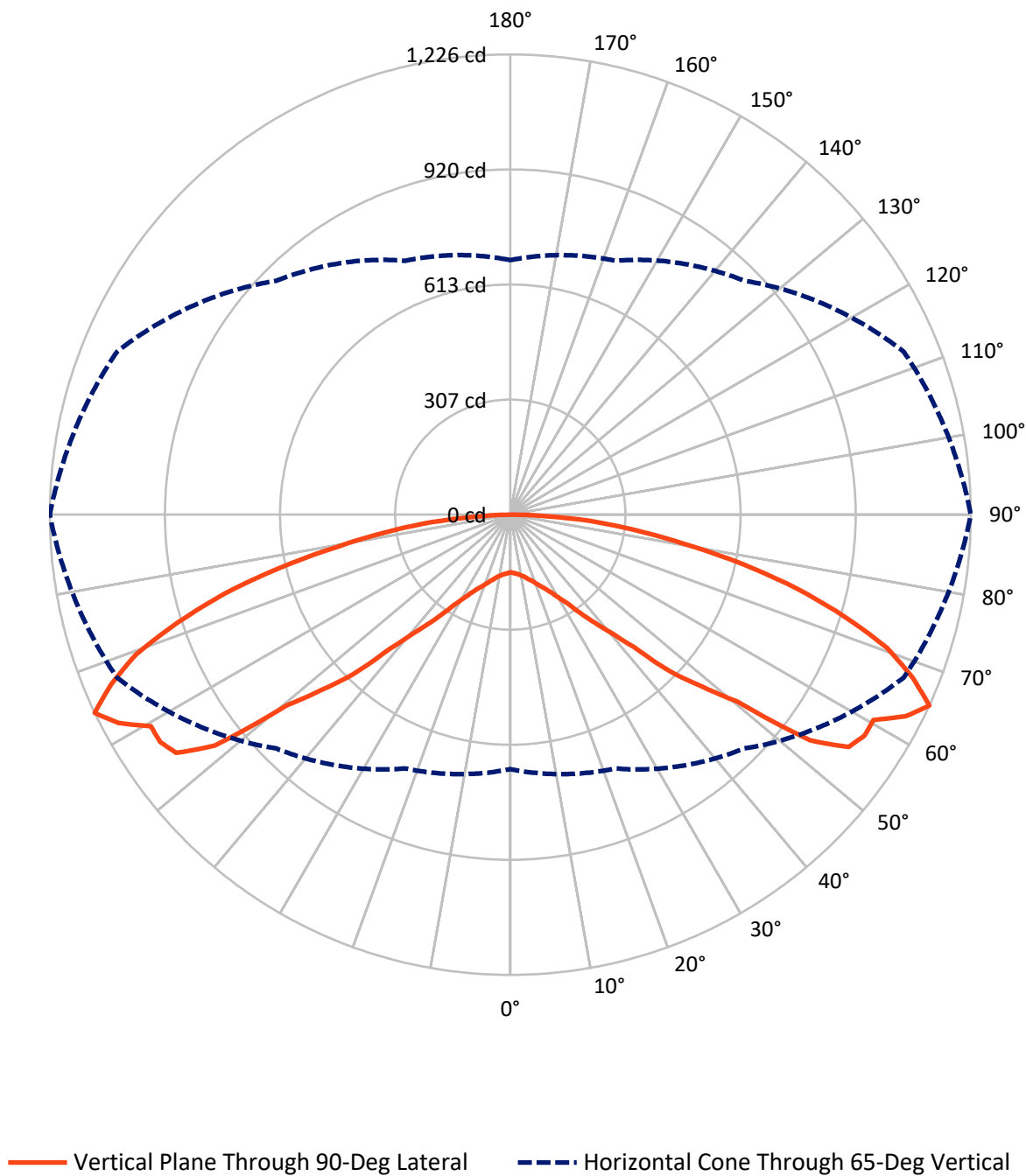


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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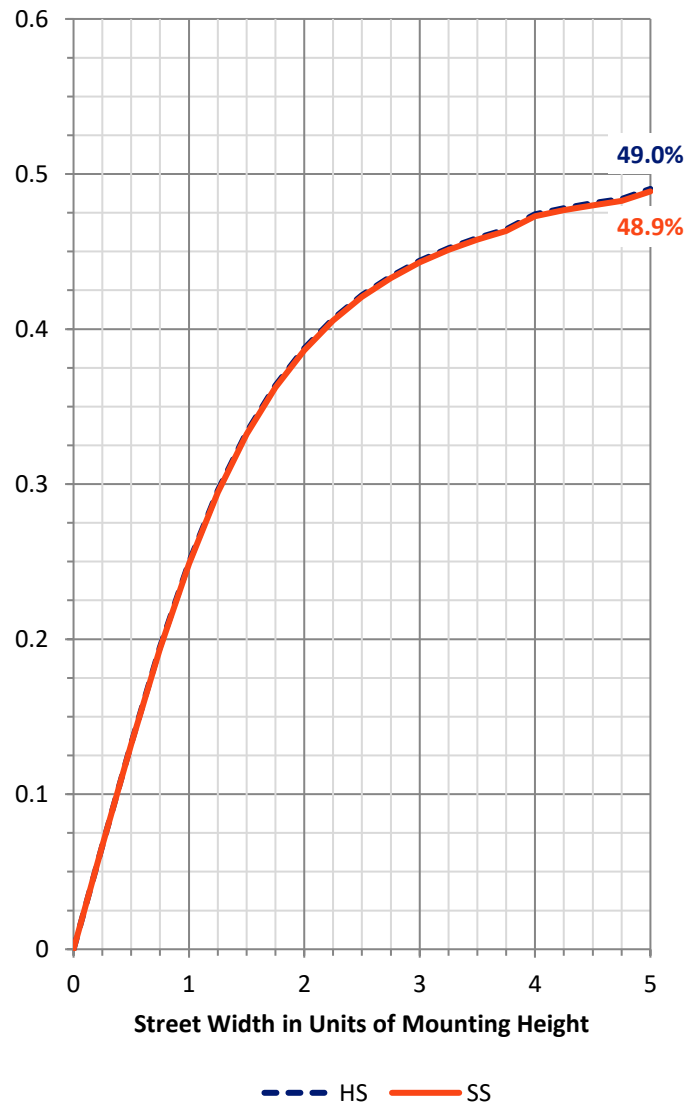
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1633.3	0.0	1633.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1633.3	0.0	1633.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3266.5	0.0	3266.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	0.5
10°-20°	52.1	1.6
20°-30°	109.5	3.4
30°-40°	208.2	6.4
40°-50°	386.9	11.8
50°-60°	685.7	21.0
60°-70°	890.6	27.3
70°-80°	709.4	21.7
80°-90°	208.7	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°	3266.5	100.0
0°-180°	3266.5	100.0

Coefficient of Utilization



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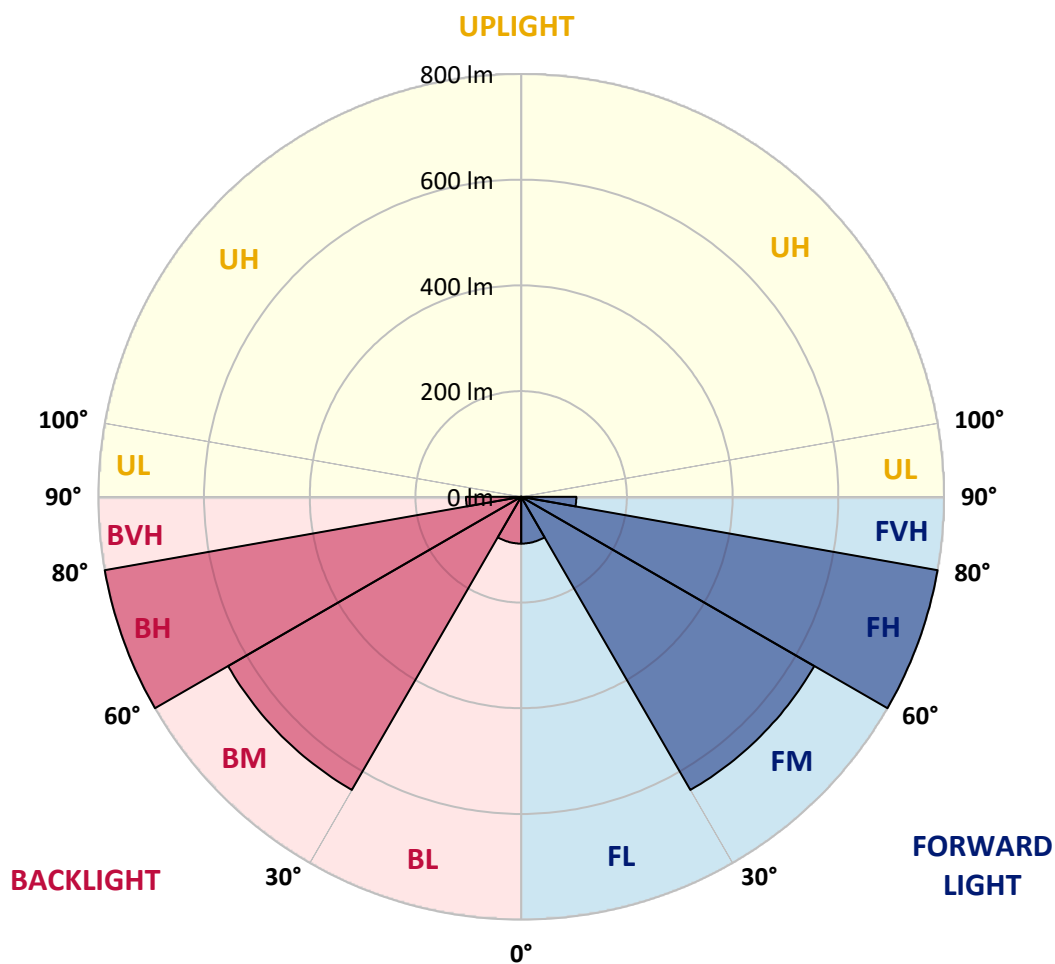
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	88.5	2.7			
FM	(30°-60°)	640.4	19.6			
FH	(60°-80°)	800.0	24.5			G1/1800
FVH	(80°-90°)	104.3	3.2			G2/225
BL	(0°-30°)	88.5	2.7	B0/110		
BM	(30°-60°)	640.4	19.6	B1/1000		
BH	(60°-80°)	800.0	24.5	B2/1000		G2/1000
BVH	(80°-90°)	104.3	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°	153.5	153.5	153.5	153.5	153.5
2.5°	154.9	154.9	155.6	155.6	155.6
5°	157.8	157.8	158.5	158.5	157.8
7.5°	161.4	162.8	162.1	160.7	160.7
10°	167.2	167.9	166.4	165.7	165.0
12.5°	174.4	175.1	172.2	171.5	170.0
15°	184.4	183.7	180.8	178.0	178.0
17.5°	198.1	193.8	188.8	186.6	185.2
20°	214.0	208.2	201.7	196.7	196.0
22.5°	232.0	224.1	215.4	208.2	207.5
25°	249.3	242.8	232.0	222.6	219.8
27.5°	268.0	263.0	249.3	238.5	236.3
30°	289.6	285.3	269.5	259.4	258.7
32.5°	314.9	309.1	291.8	284.6	283.9
35°	345.1	334.3	319.2	314.1	322.8
37.5°	373.9	361.7	349.4	358.1	365.3
40°	399.2	391.2	385.5	403.5	413.6
42.5°	423.7	419.3	423.7	450.3	481.3
45°	449.6	451.0	466.9	539.7	595.1
47.5°	479.9	480.6	518.0	629.7	682.3
50°	513.0	512.3	578.6	697.4	781.7
52.5°	545.4	548.3	639.1	843.0	999.3
55°	574.2	590.1	721.2	989.2	1093.0
57.5°	599.5	629.7	798.3	1032.5	1111.7
60°	626.8	677.3	852.4	1041.1	1111.0
62.5°	653.5	714.7	863.9	1079.3	1182.3
65°	678.0	732.0	881.2	1134.1	1226.3
67.5°	698.2	740.7	881.2	1086.5	1153.5
70°	714.7	729.9	830.0	1000.8	1064.2
72.5°	711.1	685.2	745.7	895.6	932.3
75°	677.3	606.7	657.1	753.6	790.4
77.5°	592.3	508.0	535.3	607.4	631.2
80°	469.0	396.3	412.1	458.2	465.4
82.5°	330.7	284.6	290.4	325.7	330.7
85°	194.5	175.1	169.3	201.0	211.1
87.5°	57.6	50.4	49.7	60.5	67.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)