

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: P197630

Luminaire Tested: **TT-C1-LED-E1-MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33410)
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-MQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3922.1 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

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



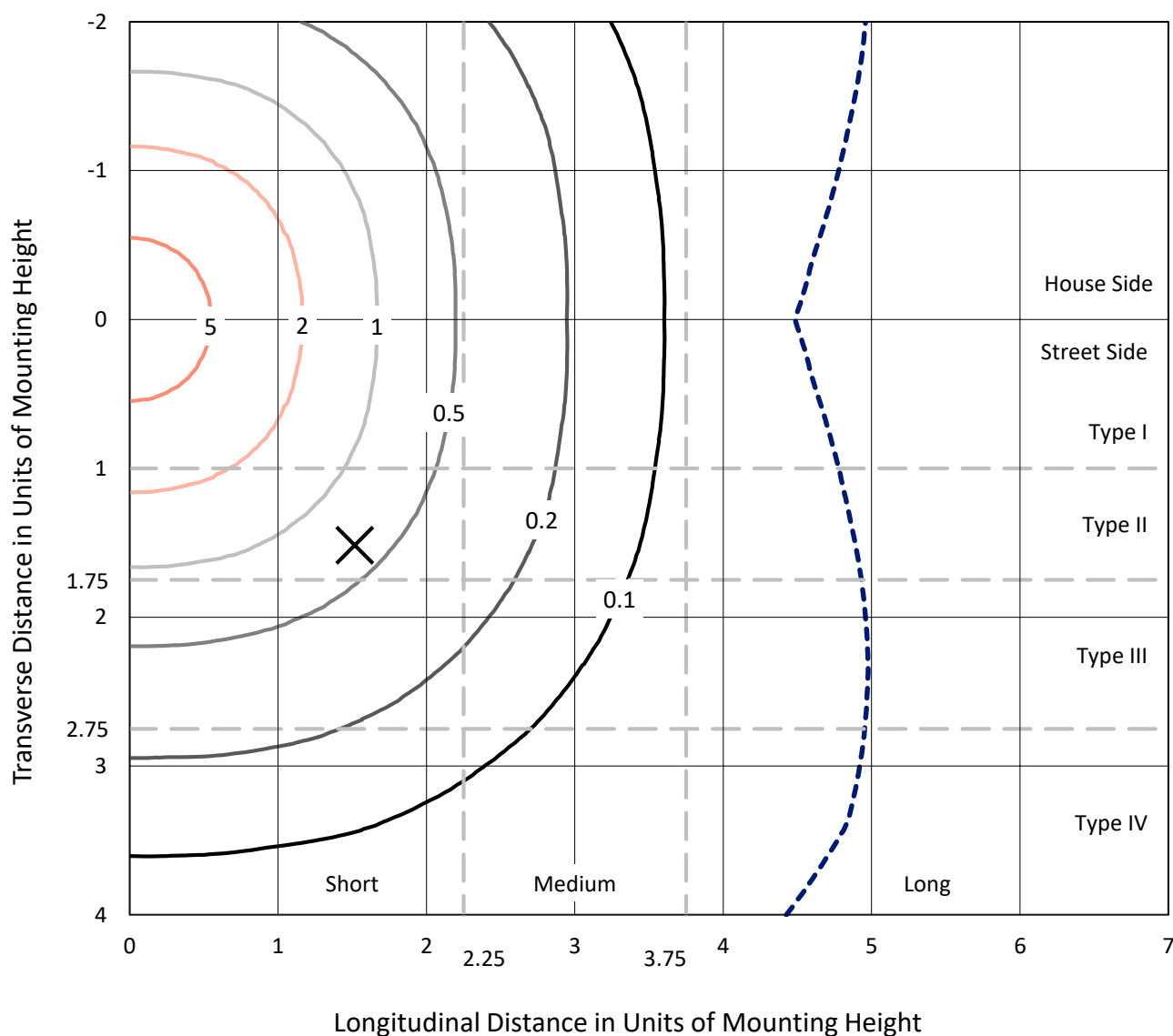
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CATALOG NUMBER: TT-C1-LED-E1-MQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

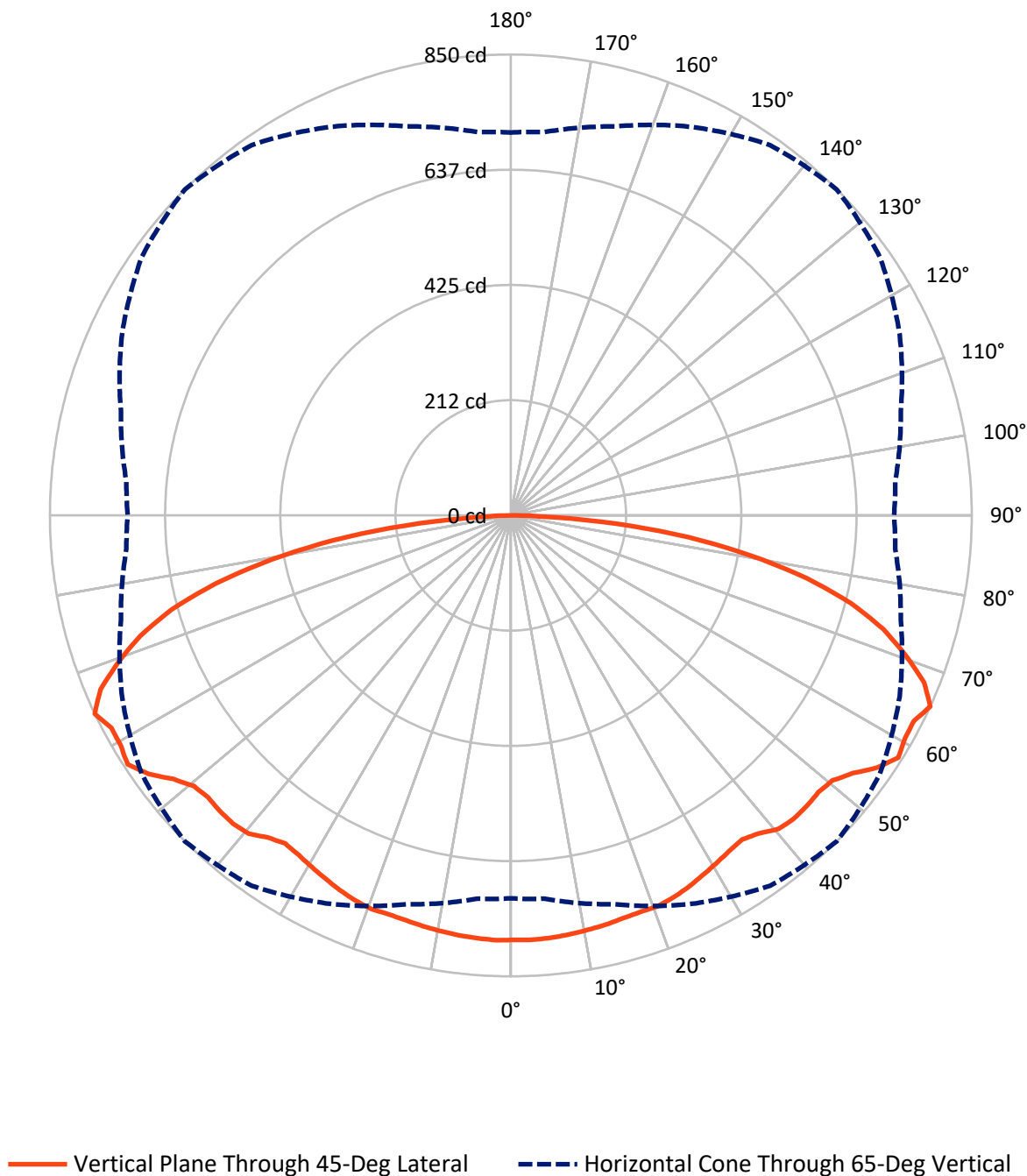


Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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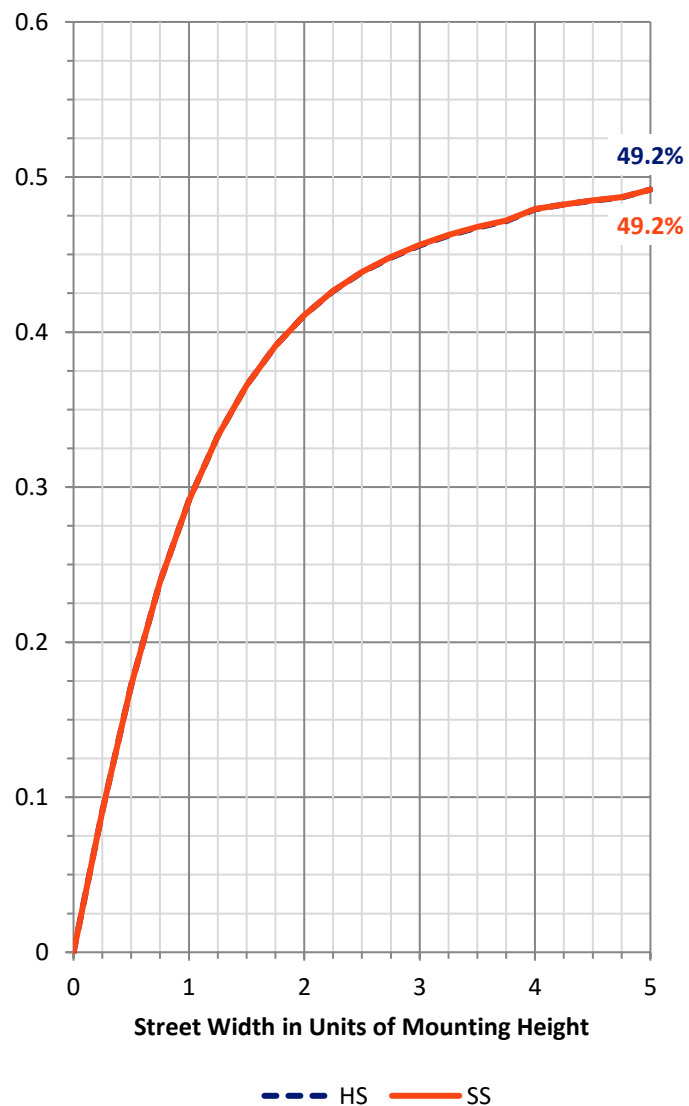
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1961.0	0.0	1961.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1961.0	0.0	1961.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3922.1	0.0	3922.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	1.9
10°-20°	218.5	5.6
20°-30°	349.5	8.9
30°-40°	461.7	11.8
40°-50°	577.1	14.7
50°-60°	692.9	17.7
60°-70°	757.4	19.3
70°-80°	601.8	15.3
80°-90°	188.7	4.8
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°	3922.1	100.0
0°-180°	3922.1	100.0

Coefficient of Utilization



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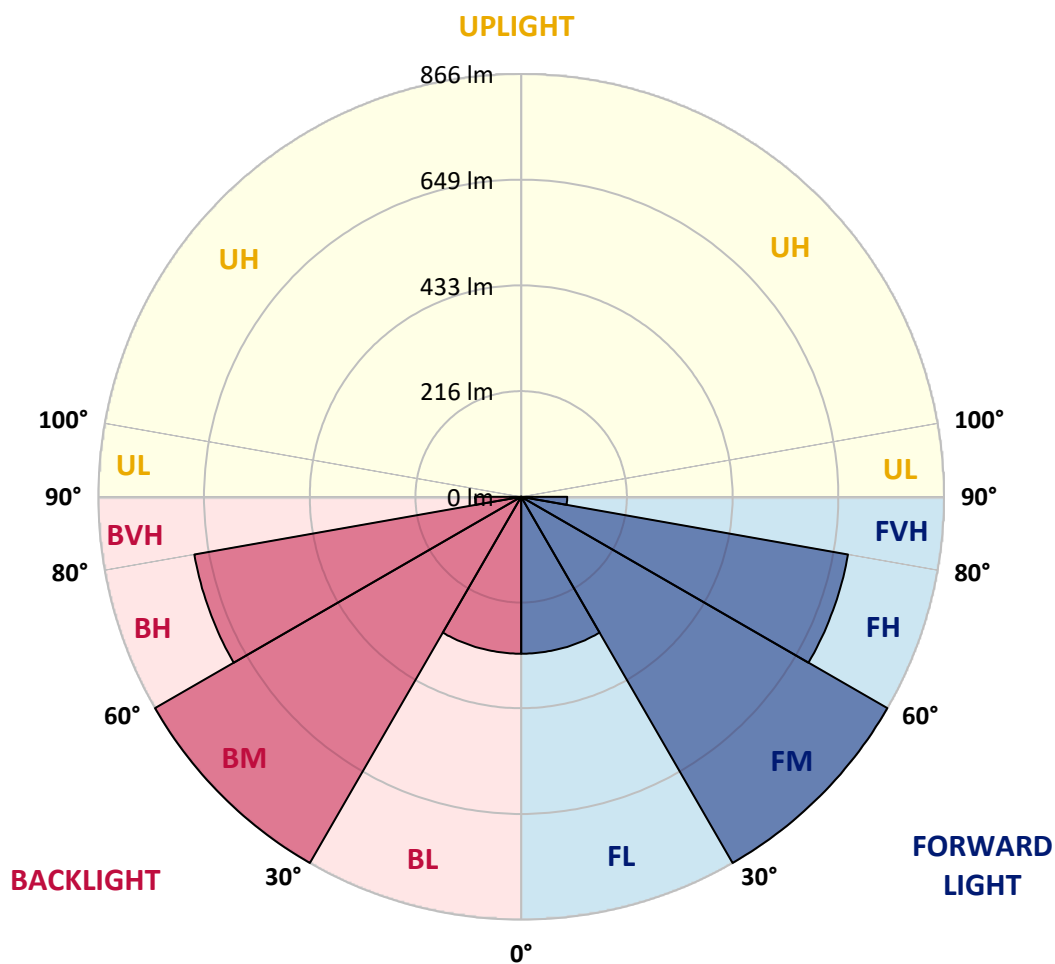
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	321.2	8.2			
FM	(30°-60°)	865.9	22.1			
FH	(60°-80°)	679.6	17.3			G1/1800
FVH	(80°-90°)	94.4	2.4			G1/100
BL	(0°-30°)	321.2	8.2	B1/500		
BM	(30°-60°)	865.9	22.1	B1/1000		
BH	(60°-80°)	679.6	17.3	B2/1000		G1/1800
BVH	(80°-90°)	94.4	2.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	782.5	782.5	782.5	782.5	782.5	782.5	782.5	782.5	782.5	782.5	782.5
2.5°	783.2	783.2	783.2	783.2	782.5	783.2	782.5	782.5	783.2	783.2	783.2
5°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
7.5°	779.8	779.8	779.8	779.8	779.8	779.8	779.8	779.8	779.8	779.8	779.8
10°	777.0	777.7	777.7	777.7	777.0	777.0	777.0	777.7	777.7	777.0	777.0
12.5°	774.3	774.3	775.0	774.3	774.3	774.3	774.3	774.3	774.3	774.3	773.6
15°	770.2	770.2	770.8	770.8	770.8	770.8	770.8	770.2	770.2	769.5	769.5
17.5°	766.7	766.7	768.1	768.1	768.8	768.8	768.8	767.4	767.4	766.1	766.1
20°	766.1	766.1	766.7	768.1	768.8	769.5	768.8	767.4	766.1	764.7	764.7
22.5°	761.3	761.9	763.3	764.0	765.4	765.4	765.4	763.3	762.6	761.3	761.3
25°	755.1	754.4	756.5	757.8	759.2	759.2	758.5	757.1	756.5	754.4	754.4
27.5°	745.5	746.2	747.6	749.6	751.7	751.7	751.0	749.6	748.2	746.9	746.2
30°	737.3	738.0	739.3	741.4	742.8	744.8	742.8	741.4	739.3	738.6	738.0
32.5°	728.4	729.1	731.1	734.5	736.6	738.0	736.6	735.2	731.8	729.7	729.1
35°	722.2	722.9	724.9	729.7	733.8	733.8	733.8	730.4	726.3	722.9	722.2
37.5°	722.9	724.3	729.1	735.9	742.8	743.4	742.8	735.9	729.7	724.3	723.6
40°	728.4	729.7	738.0	748.2	757.1	759.9	757.8	748.2	738.6	731.1	729.1
42.5°	727.7	729.7	738.6	751.7	760.6	764.7	760.6	751.7	740.0	731.8	729.1
45°	724.9	726.3	735.9	749.6	760.6	764.7	761.3	751.0	738.0	728.4	726.3
47.5°	720.8	722.2	729.7	746.2	758.5	762.6	759.2	748.2	731.8	724.3	722.9
50°	715.3	719.5	731.8	748.9	765.4	768.1	766.1	750.3	733.2	722.2	716.7
52.5°	720.8	720.1	734.5	765.4	780.4	789.3	782.5	764.0	738.0	723.6	722.2
55°	733.2	738.6	754.4	783.2	807.8	820.2	810.6	785.2	755.8	738.0	734.5
57.5°	732.5	739.3	767.4	796.2	833.9	842.1	831.1	799.6	766.1	742.8	733.8
60°	728.4	731.1	752.3	803.7	825.0	834.6	825.0	800.3	757.8	731.8	731.8
62.5°	714.7	719.5	753.0	788.7	818.8	833.9	822.2	791.4	752.3	724.3	715.3
65°	705.8	709.2	742.1	790.0	833.2	849.6	830.5	790.7	744.1	711.2	706.4
67.5°	677.7	683.8	714.7	766.7	808.5	821.6	814.0	765.4	714.7	684.5	677.0
70°	629.7	633.1	675.6	724.9	763.3	772.2	761.3	729.7	671.5	637.9	627.6
72.5°	570.8	575.6	614.6	669.4	706.4	718.1	705.1	671.5	611.2	581.0	571.5
75°	511.2	516.0	541.3	600.9	631.8	648.2	633.1	596.8	542.7	513.2	509.1
77.5°	425.5	433.0	472.1	511.8	541.3	558.4	545.4	511.8	469.4	434.4	421.4
80°	334.4	339.9	376.2	411.1	437.8	448.8	442.6	411.1	376.9	341.2	335.1
82.5°	234.3	237.8	269.3	297.4	330.3	330.3	323.4	302.9	268.6	237.8	239.1
85°	125.4	129.5	153.5	175.4	196.0	196.0	189.8	176.8	152.8	128.8	126.1
87.5°	25.4	28.1	37.0	40.4	48.0	51.4	46.6	42.5	37.0	29.5	29.5
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)