

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: P197557

Luminaire Tested: **TT-C1-LED-E1-CQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
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-CQ-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3407.3 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - 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



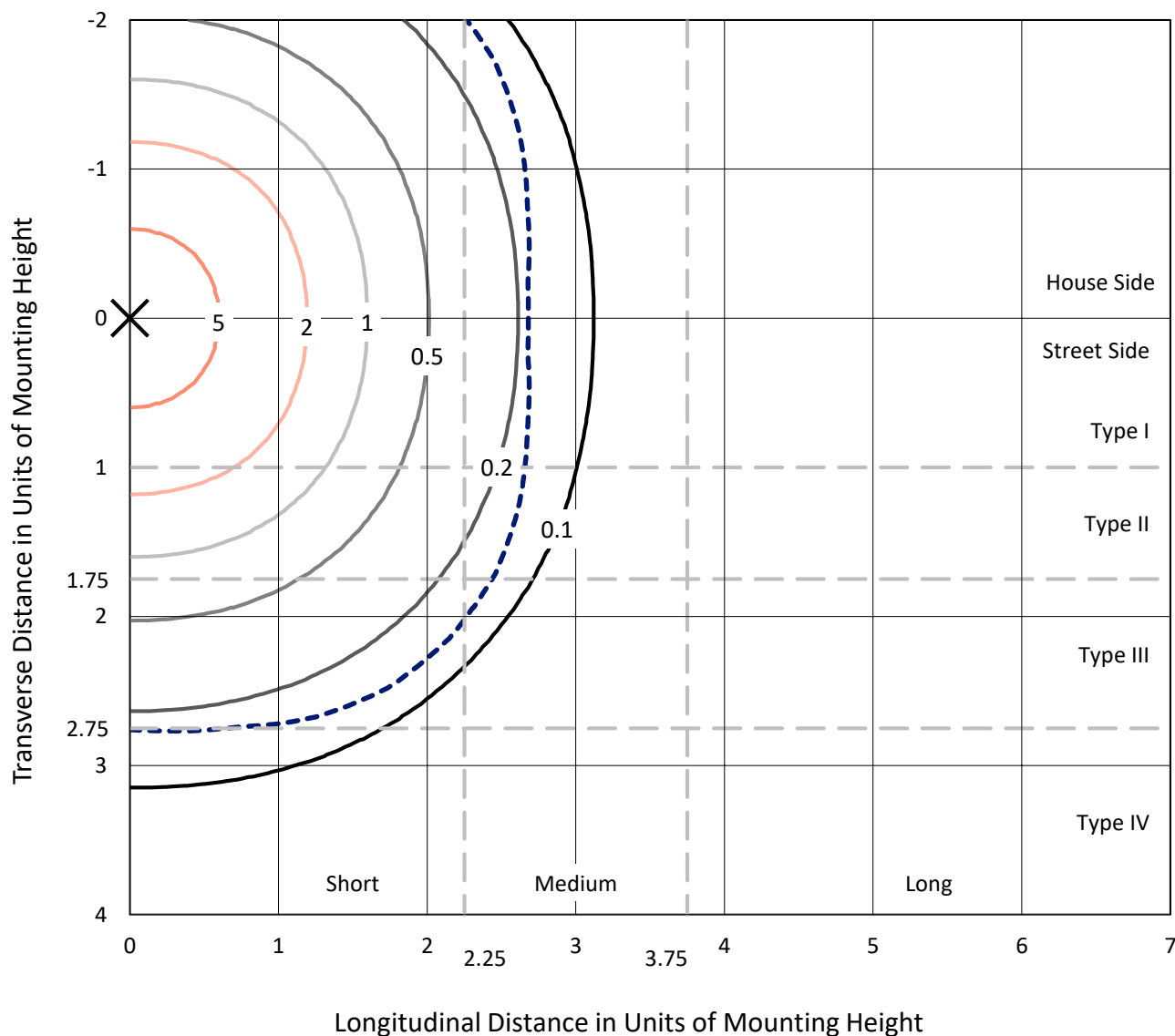
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

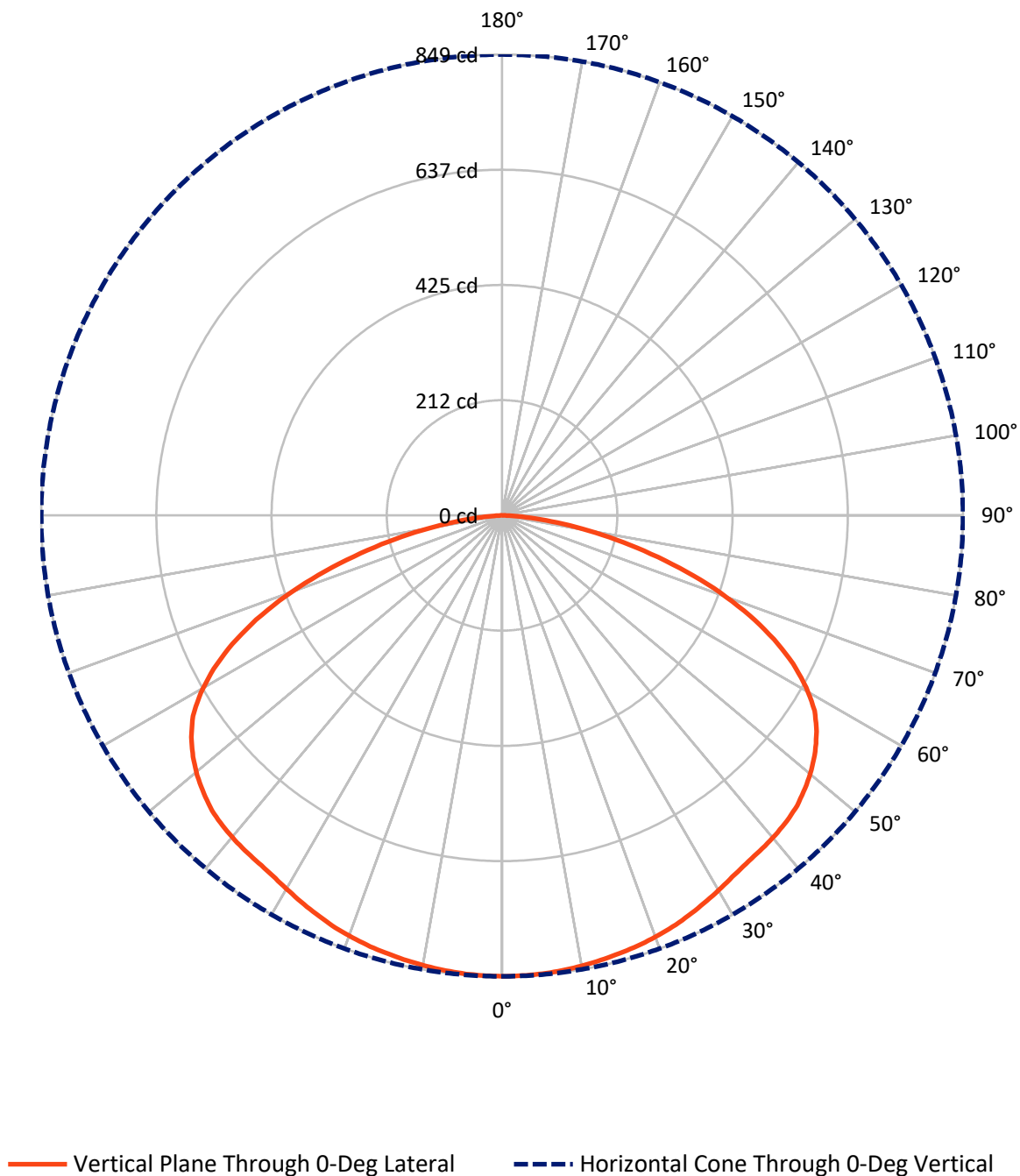


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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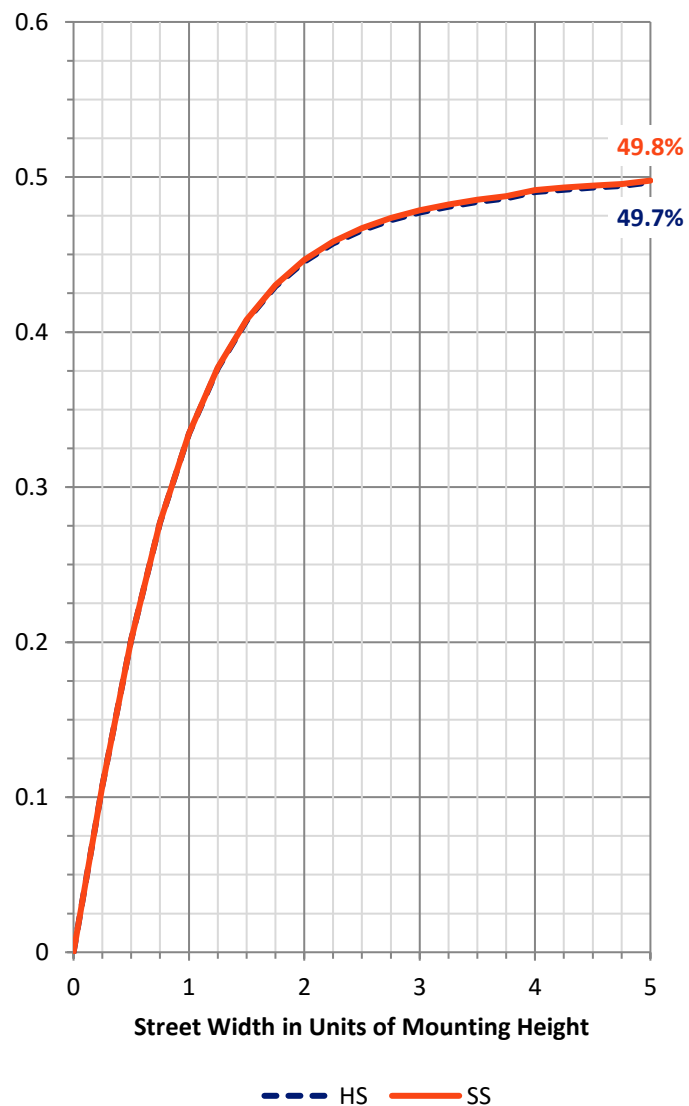
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1703.6	0.0	1703.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1703.6	0.0	1703.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3407.3	0.0	3407.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	2.4
10°-20°	236.3	6.9
20°-30°	375.9	11.0
30°-40°	497.2	14.6
40°-50°	606.7	17.8
50°-60°	655.2	19.2
60°-70°	567.4	16.7
70°-80°	321.7	9.4
80°-90°	66.2	1.9
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°	3407.3	100.0
0°-180°	3407.3	100.0

Coefficient of Utilization



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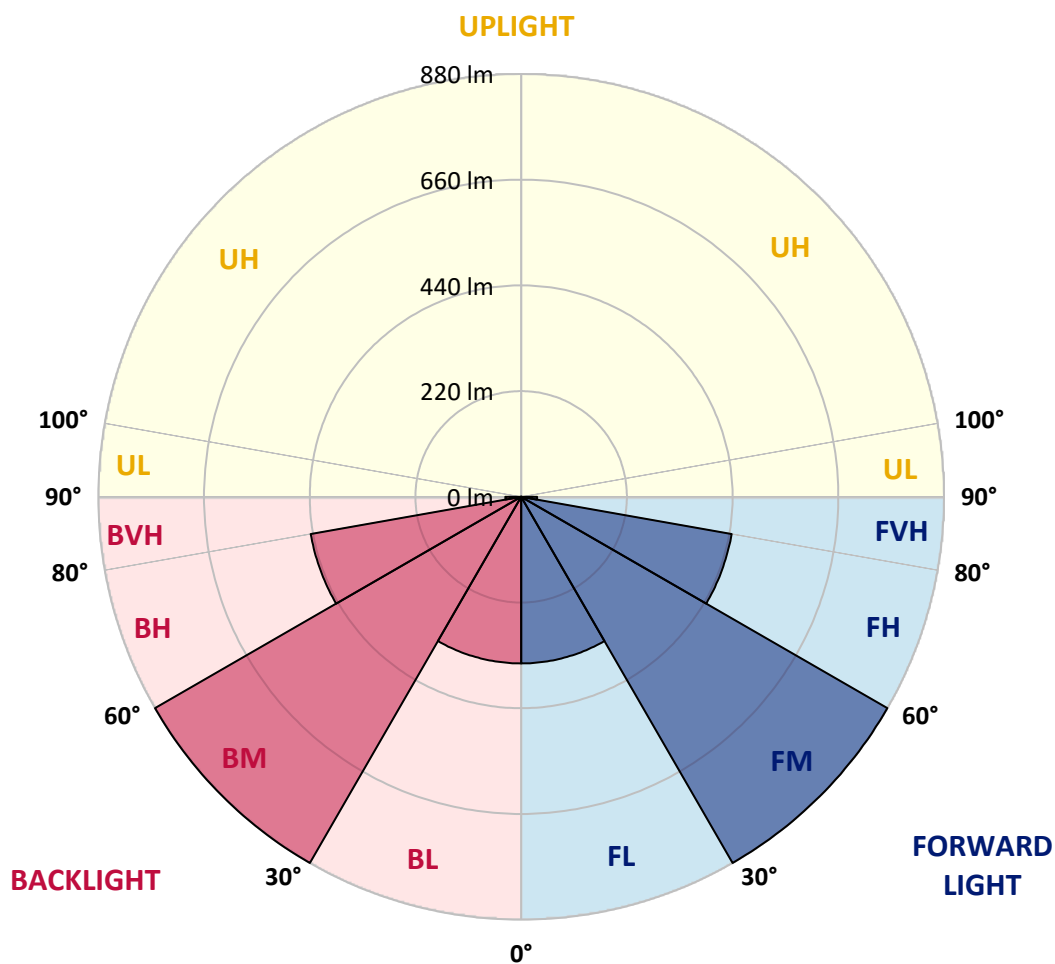
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.5	10.2			
FM	(30°-60°)	879.5	25.8			
FH	(60°-80°)	444.6	13.0			G0/660
FVH	(80°-90°)	33.1	1.0			G1/100
BL	(0°-30°)	346.5	10.2	B1/500		
BM	(30°-60°)	879.5	25.8	B1/1000		
BH	(60°-80°)	444.6	13.0	B1/500		G0/660
BVH	(80°-90°)	33.1	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1
2.5°	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5
5°	847.4	847.4	847.4	847.4	847.4	847.4	847.4	847.4	847.4	847.4	847.4
7.5°	845.0	845.0	845.0	845.0	845.0	845.6	845.0	845.0	845.0	845.0	845.6
10°	842.1	842.1	842.7	842.7	842.1	842.1	842.1	842.1	842.1	842.1	842.1
12.5°	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.0	838.0	838.0
15°	834.5	834.5	834.5	835.1	835.1	835.1	835.1	834.5	833.9	833.3	833.9
17.5°	830.4	830.4	831.0	831.5	831.5	831.5	831.5	830.4	829.8	829.2	829.2
20°	825.1	825.7	825.7	826.3	826.8	826.8	826.8	826.3	825.1	823.9	823.9
22.5°	819.2	819.8	820.4	821.0	821.6	821.0	821.0	820.4	819.2	818.6	818.1
25°	811.6	811.6	812.8	813.9	814.5	814.5	814.5	813.4	812.2	811.6	811.0
27.5°	804.0	804.0	805.2	806.9	807.5	808.1	806.9	806.3	804.6	803.4	803.4
30°	795.8	795.8	797.5	799.9	801.6	802.2	801.6	799.3	796.9	795.8	795.8
32.5°	788.1	788.7	790.5	794.0	796.9	798.1	797.5	794.6	791.7	789.3	788.7
35°	782.3	782.9	786.4	790.5	795.2	796.9	795.2	792.3	787.6	784.0	784.0
37.5°	778.8	778.8	783.5	790.5	795.8	798.1	795.8	791.7	785.2	780.5	780.5
40°	774.7	775.8	781.7	790.5	798.1	801.6	798.7	792.8	784.6	778.8	778.2
42.5°	769.4	771.1	777.6	789.3	798.7	804.0	801.0	794.0	784.0	777.6	777.0
45°	762.3	762.9	771.1	785.2	797.5	804.6	802.2	793.4	782.3	774.7	773.5
47.5°	751.2	752.4	762.3	778.8	794.0	801.6	799.9	789.9	775.8	767.0	765.3
50°	738.3	739.5	751.2	770.0	787.0	795.8	792.8	780.5	765.3	753.5	752.4
52.5°	722.5	724.8	737.7	758.8	777.0	785.2	780.5	764.7	747.1	734.2	733.0
55°	703.1	705.5	720.1	742.4	760.6	767.0	760.6	741.8	723.1	708.4	705.5
57.5°	679.1	680.8	694.9	718.4	736.0	741.2	733.0	713.7	691.4	675.6	673.8
60°	643.9	646.2	662.7	684.4	701.9	708.4	700.2	676.7	652.7	636.9	636.3
62.5°	601.7	605.8	619.8	643.3	659.1	667.9	656.8	632.7	608.7	590.5	590.5
65°	550.6	553.6	568.8	591.7	606.9	614.6	603.4	581.1	554.8	538.9	537.2
67.5°	492.0	494.4	507.8	531.3	547.7	554.2	541.9	520.7	496.1	479.1	477.3
70°	426.9	430.4	440.4	462.1	476.8	480.3	470.9	451.0	428.7	413.4	412.3
72.5°	356.0	358.9	371.8	388.8	400.5	401.7	395.8	381.2	358.3	346.0	344.2
75°	283.2	287.9	299.1	313.7	322.5	322.5	319.0	308.5	288.5	279.1	279.1
77.5°	214.6	217.0	228.7	238.7	245.7	249.2	245.1	235.7	219.9	213.5	209.9
80°	149.5	151.9	157.2	164.8	171.8	174.2	169.5	161.9	153.1	148.4	146.0
82.5°	91.5	93.8	96.8	100.9	105.6	107.9	105.0	100.3	92.7	92.1	91.5
85°	44.0	45.2	47.5	48.7	51.0	51.6	52.2	49.8	47.5	44.6	45.7
87.5°	13.5	13.5	14.1	14.7	15.8	15.8	15.8	15.2	14.1	13.5	13.5
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)