

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: P400585

Luminaire Tested: **TT-D1-827-U-CQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D1-827-U-CQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
2700K, 80 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3199 lumens
Efficiency: N/A
Efficacy: 114.2 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: 28.75 FT



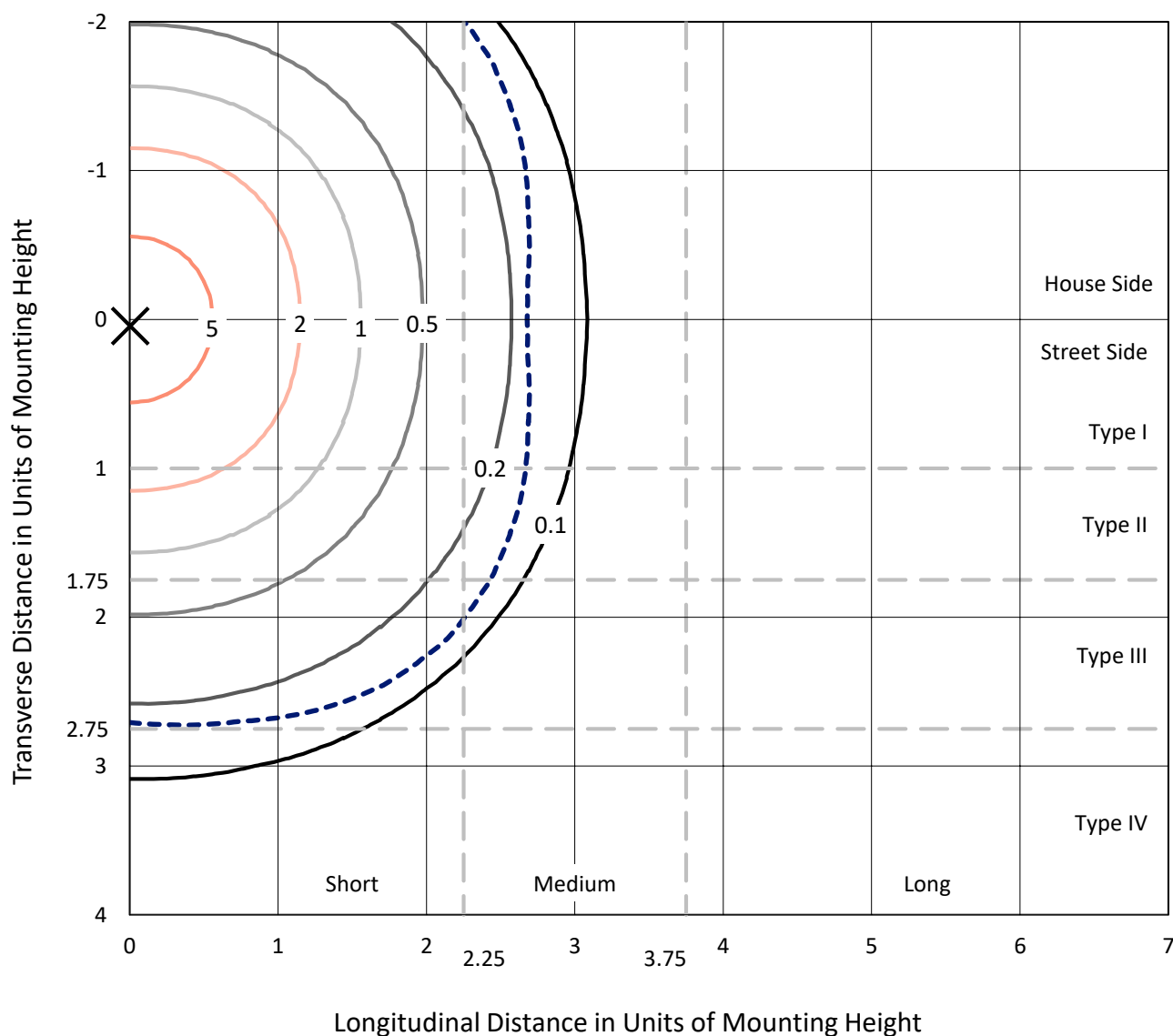
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

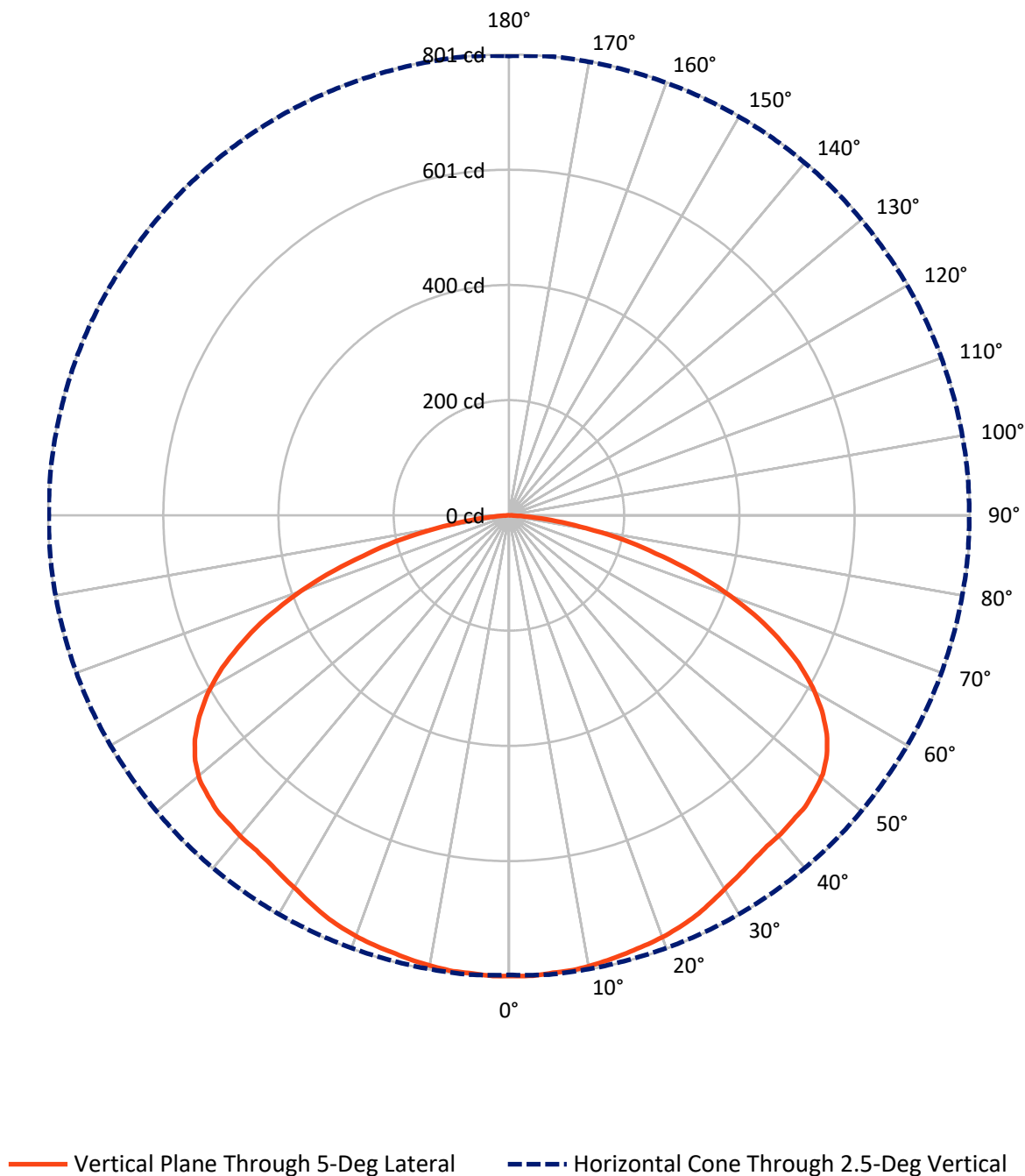


Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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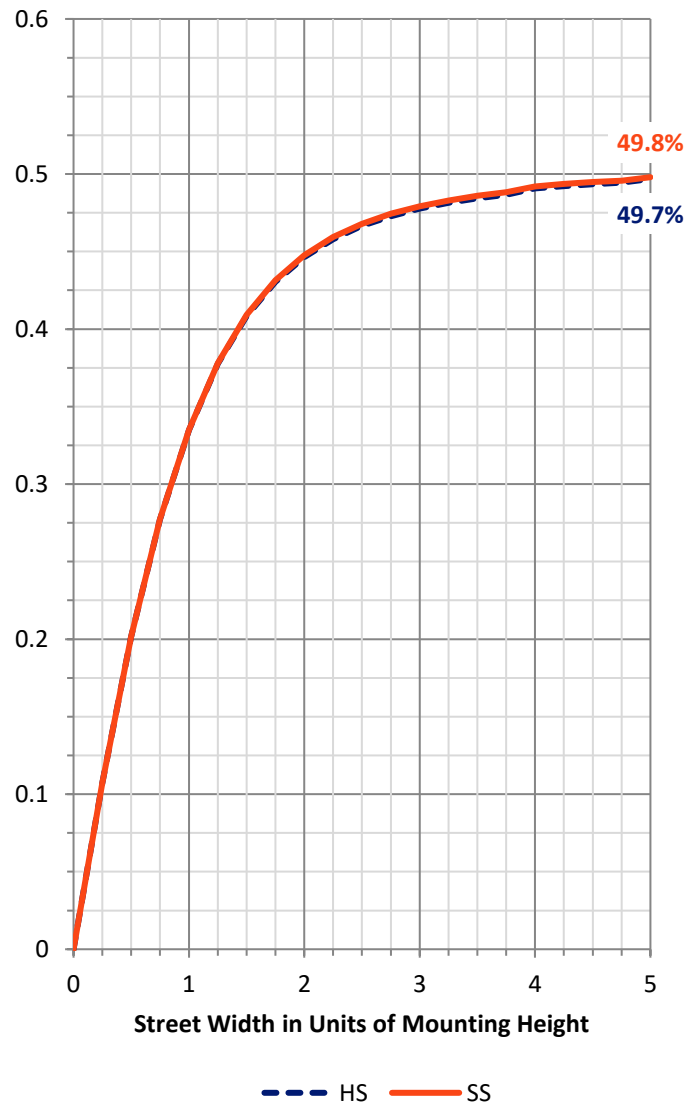
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1599.5	0.0	1599.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1599.5	0.0	1599.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3199.0	0.0	3199.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	2.4
10°-20°	222.9	7.0
20°-30°	354.5	11.1
30°-40°	466.3	14.6
40°-50°	570.8	17.8
50°-60°	618.2	19.3
60°-70°	531.8	16.6
70°-80°	299.0	9.3
80°-90°	59.3	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°	3199.0	100.0
0°-180°	3199.0	100.0

Coefficient of Utilization



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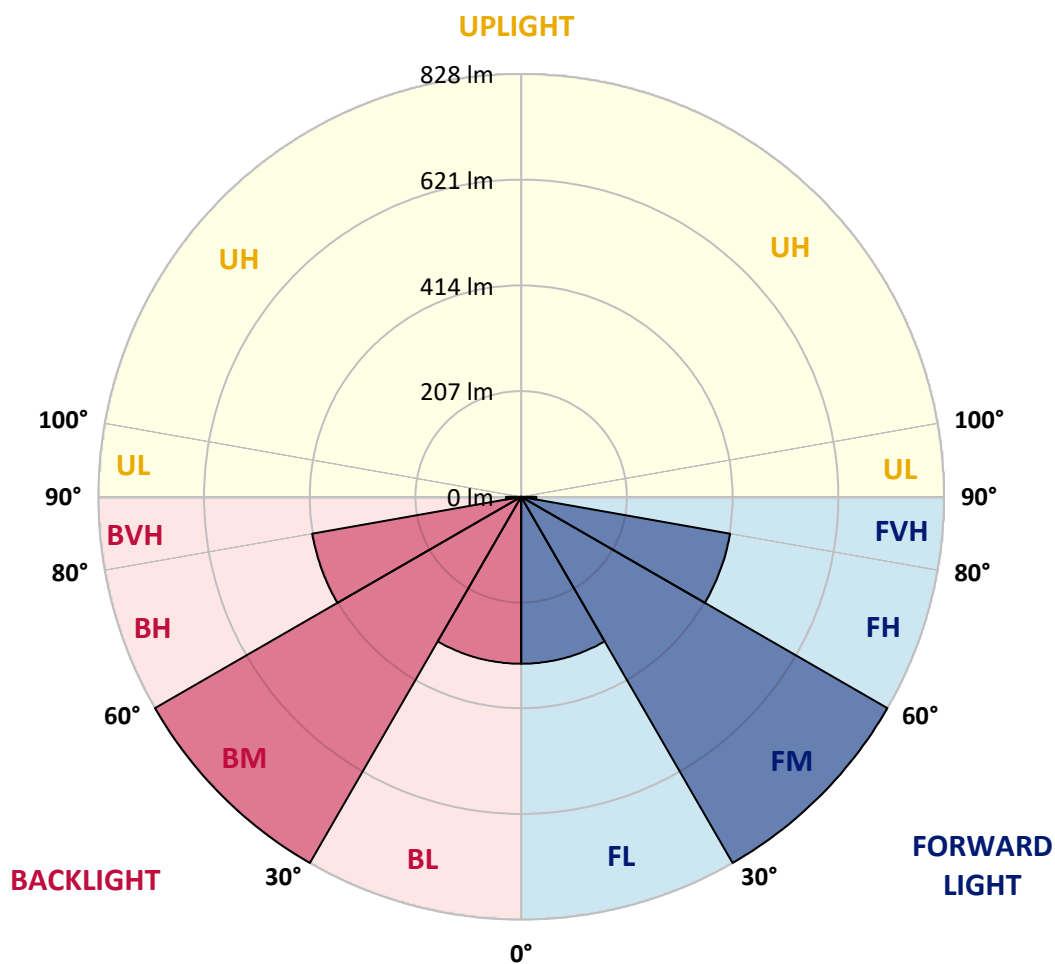
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.8	10.2			
FM	(30°-60°)	827.7	25.9			
FH	(60°-80°)	415.4	13.0			G0/660
FVH	(80°-90°)	29.6	0.9			G1/100
BL	(0°-30°)	326.8	10.2	B1/500		
BM	(30°-60°)	827.7	25.9	B1/1000		
BH	(60°-80°)	415.4	13.0	B1/500		G0/660
BVH	(80°-90°)	29.6	0.9			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°	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3	800.3
2.5°	798.3	800.8	799.8	799.8	799.8	799.8	798.8	799.8	799.8	800.3	799.8
5°	798.8	798.3	798.3	798.8	798.8	799.3	798.3	798.8	799.3	799.3	799.8
7.5°	797.2	797.8	796.7	797.8	796.7	797.2	797.2	797.8	797.2	797.8	798.8
10°	794.2	794.7	794.2	794.2	794.2	795.2	793.2	794.7	794.2	794.7	794.2
12.5°	788.6	791.1	790.1	791.1	791.1	791.1	789.6	790.6	791.1	791.1	791.1
15°	786.0	786.6	785.0	787.1	787.6	788.1	786.0	787.1	787.1	787.6	788.1
17.5°	780.4	783.0	782.5	784.0	783.5	785.0	784.5	784.0	783.5	784.5	783.5
20°	776.4	778.9	778.4	779.9	780.4	782.0	780.4	780.4	778.9	779.4	781.0
22.5°	772.3	773.3	773.3	774.8	774.8	776.4	774.8	774.3	774.3	773.8	775.4
25°	765.7	766.2	765.7	767.2	768.2	769.2	768.7	767.7	767.2	767.2	766.7
27.5°	755.0	757.0	758.0	760.1	760.6	762.1	760.1	760.1	759.1	758.0	758.6
30°	746.8	747.9	747.9	752.4	752.4	755.0	752.4	751.9	751.4	750.9	749.9
32.5°	739.2	740.7	742.3	745.8	748.4	749.4	747.9	746.8	744.3	742.8	742.3
35°	733.1	733.6	736.7	741.8	744.8	747.4	745.3	742.8	739.2	736.7	738.7
37.5°	728.5	729.0	733.6	740.2	745.8	747.9	744.8	740.7	735.1	732.1	731.1
40°	724.4	727.5	732.6	741.8	747.9	750.9	748.4	742.8	734.6	728.5	728.0
42.5°	722.4	723.9	731.6	742.3	750.9	755.0	751.4	743.8	733.6	726.5	726.0
45°	717.3	721.9	729.0	742.8	752.4	757.5	752.4	742.8	730.6	722.4	720.9
47.5°	713.2	714.8	726.0	741.8	753.5	757.5	752.4	740.2	725.0	714.3	713.2
50°	703.6	707.1	718.3	735.1	748.9	753.0	746.8	730.6	713.2	701.5	699.5
52.5°	688.8	691.9	705.1	726.0	739.2	743.8	734.6	717.3	696.9	682.7	682.7
55°	665.9	670.5	684.2	705.6	722.4	726.5	715.8	697.5	674.5	660.3	659.8
57.5°	638.4	641.5	656.2	679.6	695.9	702.0	691.3	671.0	648.1	631.3	629.7
60°	602.8	606.8	622.6	645.0	661.8	666.9	657.7	637.4	614.0	596.1	596.1
62.5°	560.0	564.6	580.4	603.3	620.6	628.2	615.5	596.1	571.7	554.4	552.9
65°	510.1	514.2	528.4	552.4	570.2	575.8	566.1	545.7	522.3	506.0	504.5
67.5°	454.1	459.7	474.0	494.3	509.6	516.7	510.6	492.3	467.9	451.1	449.5
70°	393.5	397.6	408.8	427.6	444.9	450.0	440.9	428.7	405.7	390.5	388.4
72.5°	328.9	332.4	341.6	359.4	371.6	378.3	373.2	357.4	339.1	326.3	328.4
75°	263.7	263.2	273.4	286.1	297.3	301.9	298.3	288.1	271.3	260.7	260.1
77.5°	198.5	203.6	207.2	217.9	227.1	230.6	225.5	217.4	204.7	196.0	197.5
80°	139.5	136.4	143.1	149.7	155.8	159.3	156.3	151.7	143.1	136.4	135.4
82.5°	85.5	83.0	86.0	92.1	96.2	97.2	97.7	92.1	88.6	83.5	84.5
85°	37.7	38.2	40.7	44.8	45.3	45.8	45.8	44.8	40.7	40.2	39.2
87.5°	9.2	9.2	9.7	11.2	11.2	11.7	11.7	10.2	9.7	8.7	9.2
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)