

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: P197631

Luminaire Tested: **TT-C1-LED-E1-MQ-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197631  
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-7050  
Description: TOPTIER LED PARKING GARAGE LUMINAIRE  
MEDIUM DISTRIBUTION  
Light Source: (168) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3715.6 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G1

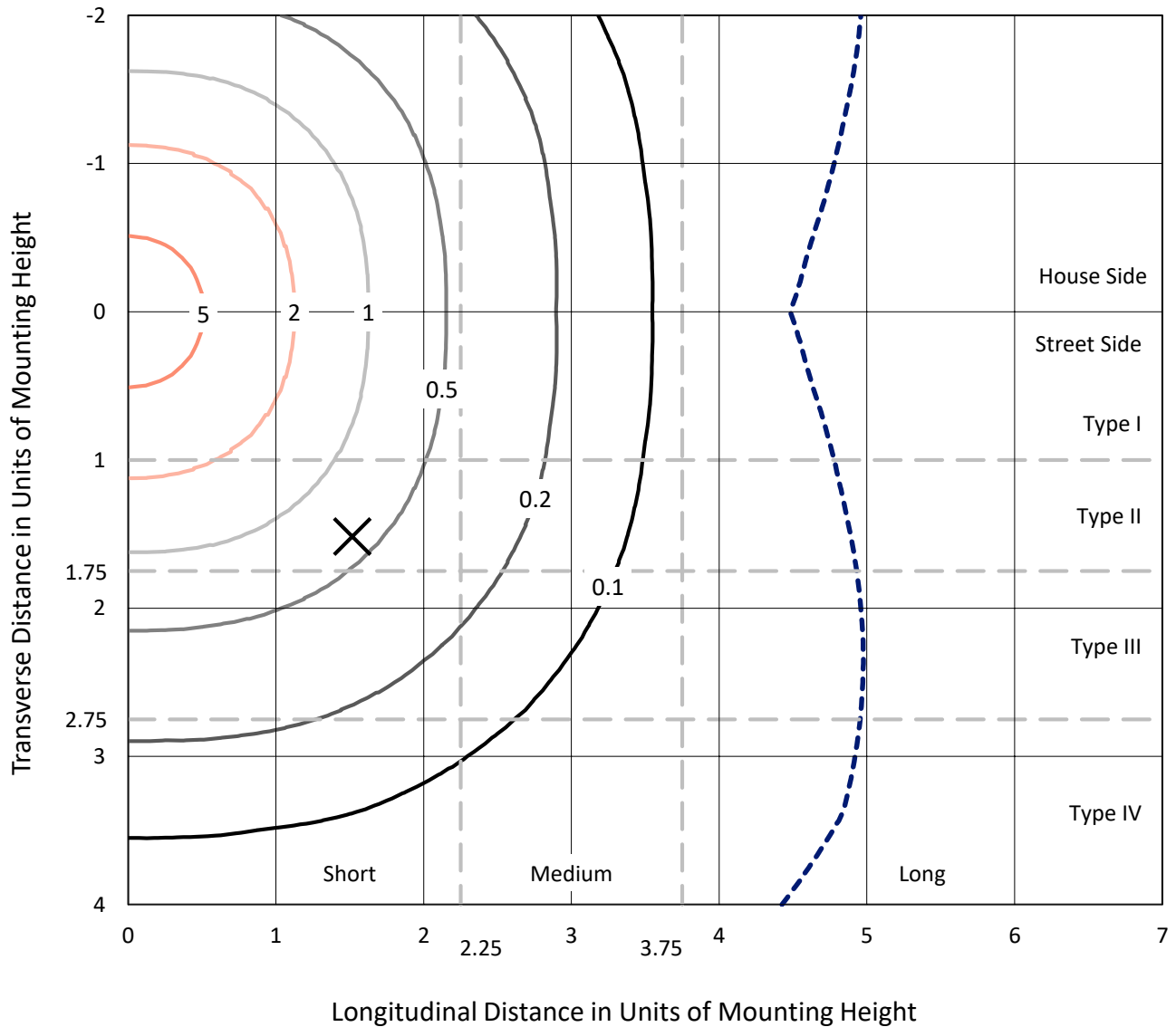
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

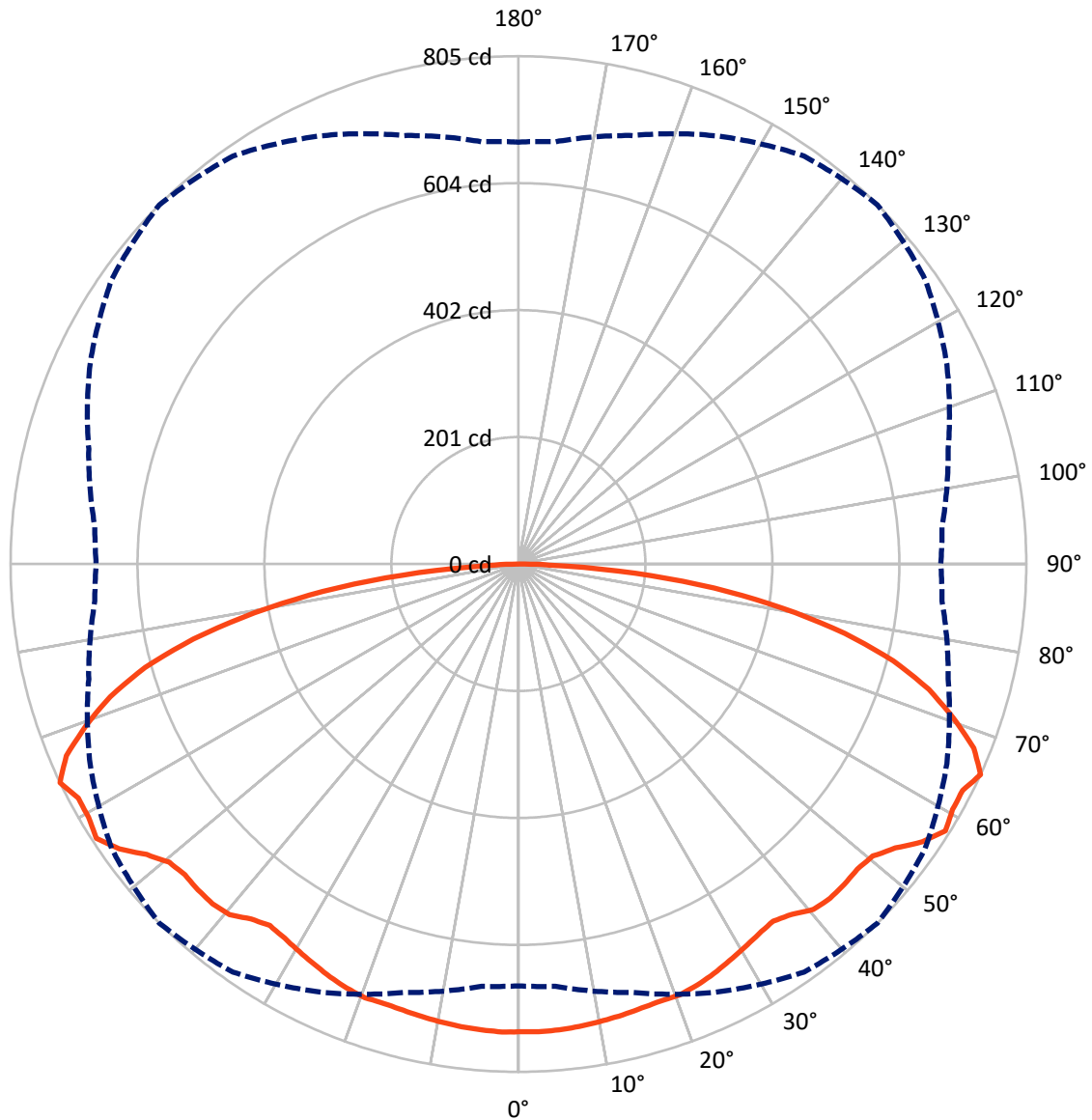
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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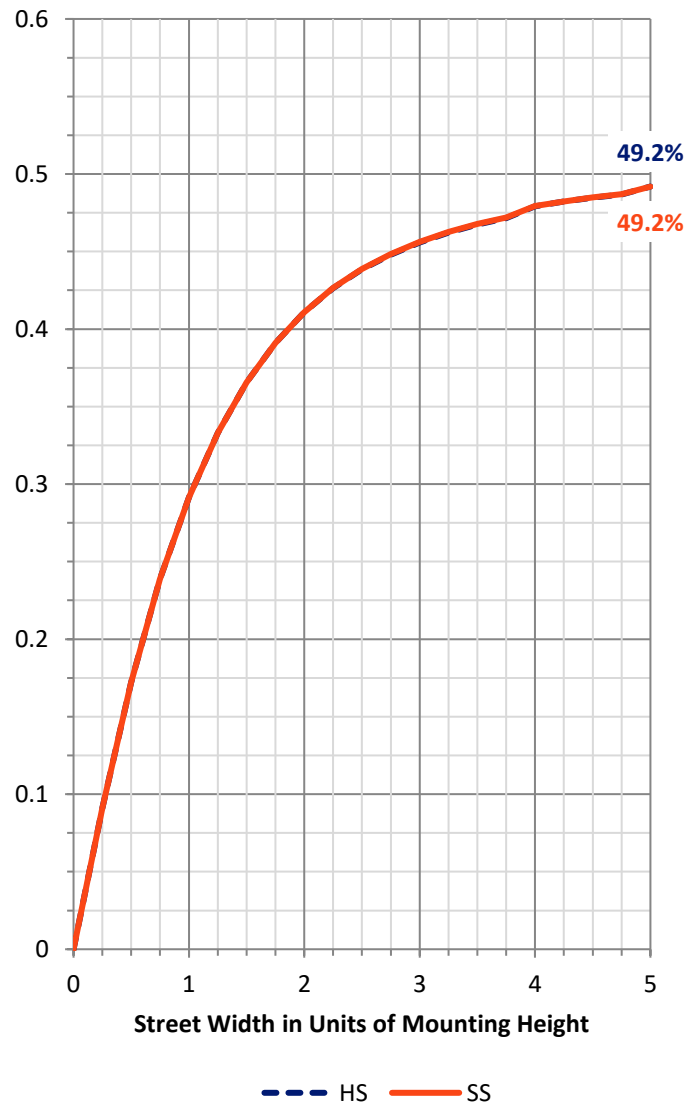
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1857.8	0.0	1857.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1857.8	0.0	1857.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3715.6	0.0	3715.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.6	1.9
10°-20°	207.0	5.6
20°-30°	331.1	8.9
30°-40°	437.4	11.8
40°-50°	546.8	14.7
50°-60°	656.4	17.7
60°-70°	717.5	19.3
70°-80°	570.1	15.3
80°-90°	178.8	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°	3715.6	100.0
0°-180°	3715.6	100.0



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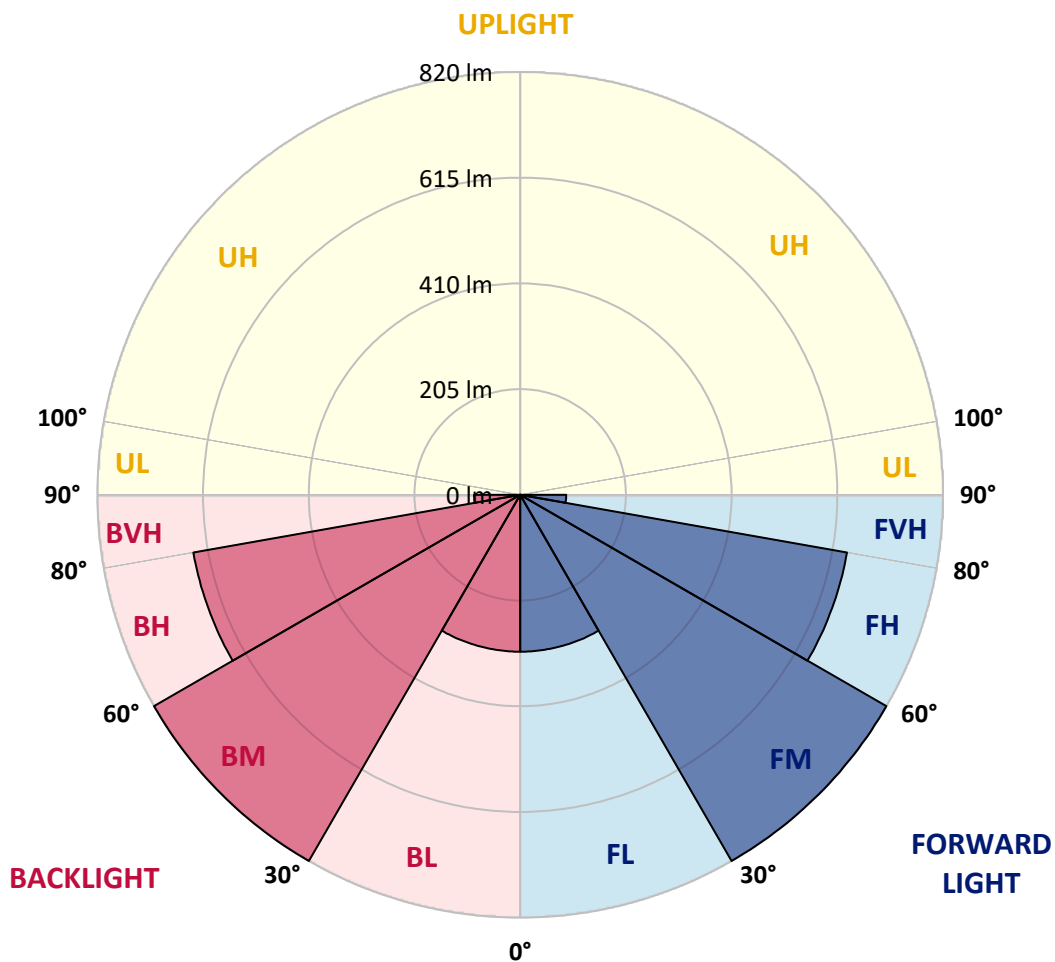
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.3	8.2			
FM (30°-60°)	820.3	22.1			
FH (60°-80°)	643.8	17.3			G0/660
FVH (80°-90°)	89.4	2.4			G1/100
BL (0°-30°)	304.3	8.2	B1/500		
BM (30°-60°)	820.3	22.1	B1/1000		
BH (60°-80°)	643.8	17.3	B2/1000		G0/660
BVH (80°-90°)	89.4	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°	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3
2.5°	742.0	742.0	742.0	742.0	741.3	742.0	741.3	741.3	742.0	742.0	742.0
5°	740.7	740.7	740.7	740.7	740.7	740.7	740.7	740.7	740.7	740.7	740.7
7.5°	738.7	738.7	738.7	738.7	738.7	738.7	738.7	738.7	738.7	738.7	738.7
10°	736.1	736.8	736.8	736.8	736.1	736.1	736.1	736.8	736.8	736.1	736.1
12.5°	733.5	733.5	734.2	733.5	733.5	733.5	733.5	733.5	733.5	733.5	732.9
15°	729.6	729.6	730.3	730.3	730.3	730.3	730.3	729.6	729.6	729.0	729.0
17.5°	726.4	726.4	727.7	727.7	728.3	728.3	728.3	727.0	727.0	725.7	725.7
20°	725.7	725.7	726.4	727.7	728.3	729.0	728.3	727.0	725.7	724.4	724.4
22.5°	721.2	721.8	723.1	723.8	725.1	725.1	725.1	723.1	722.5	721.2	721.2
25°	715.3	714.7	716.6	717.9	719.2	719.2	718.6	717.3	716.6	714.7	714.7
27.5°	706.3	706.9	708.2	710.1	712.1	712.1	711.4	710.1	708.8	707.6	706.9
30°	698.5	699.1	700.4	702.4	703.7	705.6	703.7	702.4	700.4	699.8	699.1
32.5°	690.0	690.7	692.6	695.9	697.8	699.1	697.8	696.5	693.3	691.3	690.7
35°	684.2	684.8	686.8	691.3	695.2	695.2	695.2	692.0	688.1	684.8	684.2
37.5°	684.8	686.1	690.7	697.2	703.7	704.3	703.7	697.2	691.3	686.1	685.5
40°	690.0	691.3	699.1	708.8	717.3	719.9	717.9	708.8	699.8	692.6	690.7
42.5°	689.4	691.3	699.8	712.1	720.5	724.4	720.5	712.1	701.1	693.3	690.7
45°	686.8	688.1	697.2	710.1	720.5	724.4	721.2	711.4	699.1	690.0	688.1
47.5°	682.9	684.2	691.3	706.9	718.6	722.5	719.2	708.8	693.3	686.1	684.8
50°	677.7	681.6	693.3	709.5	725.1	727.7	725.7	710.8	694.6	684.2	679.0
52.5°	682.9	682.2	695.9	725.1	739.4	747.8	741.3	723.8	699.1	685.5	684.2
55°	694.6	699.8	714.7	742.0	765.3	777.0	767.9	743.9	716.0	699.1	695.9
57.5°	693.9	700.4	727.0	754.3	790.0	797.8	787.4	757.5	725.7	703.7	695.2
60°	690.0	692.6	712.7	761.4	781.6	790.6	781.6	758.2	717.9	693.3	693.3
62.5°	677.0	681.6	713.4	747.1	775.7	790.0	779.0	749.7	712.7	686.1	677.7
65°	668.6	671.8	703.0	748.4	789.3	804.9	786.7	749.1	705.0	673.8	669.3
67.5°	642.0	647.8	677.0	726.4	766.0	778.3	771.2	725.1	677.0	648.5	641.3
70°	596.6	599.8	640.0	686.8	723.1	731.6	721.2	691.3	636.1	604.3	594.6
72.5°	540.7	545.3	582.3	634.2	669.3	680.3	668.0	636.1	579.0	550.5	541.4
75°	484.3	488.8	512.8	569.3	598.5	614.1	599.8	565.4	514.1	486.2	482.3
77.5°	403.1	410.3	447.3	484.9	512.8	529.0	516.7	484.9	444.7	411.5	399.2
80°	316.8	322.0	356.4	389.5	414.8	425.2	419.3	389.5	357.0	323.3	317.4
82.5°	222.0	225.2	255.1	281.7	312.9	312.9	306.4	286.9	254.5	225.2	226.5
85°	118.8	122.7	145.4	166.2	185.7	185.7	179.8	167.5	144.8	122.0	119.4
87.5°	24.0	26.6	35.1	38.3	45.4	48.7	44.1	40.2	35.1	27.9	27.9
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)