

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: P400587

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

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-16)
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-MQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
2700K, 80 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3422 lumens
Efficiency: N/A
Efficacy: 122.2 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: 28.75 FT



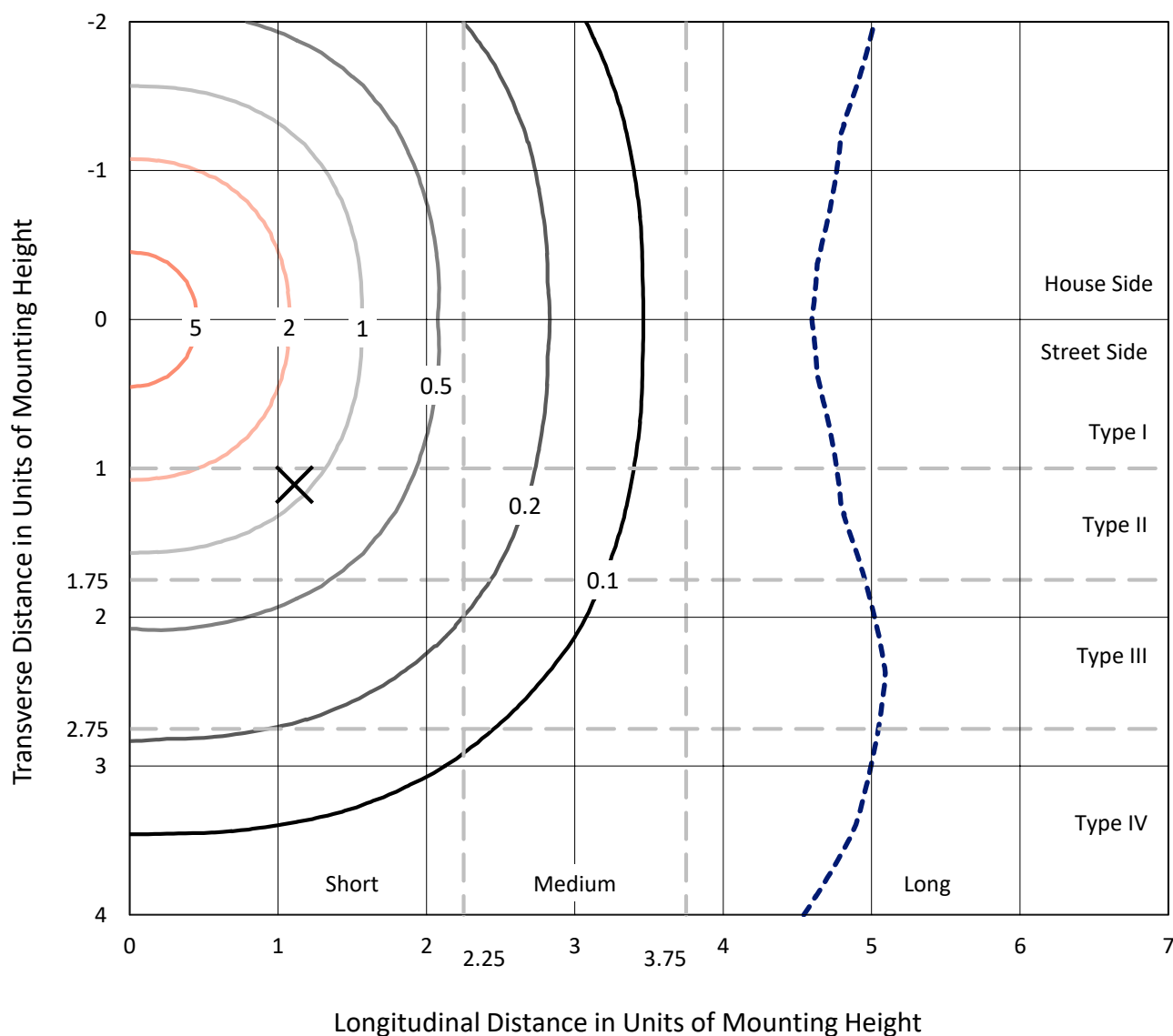
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

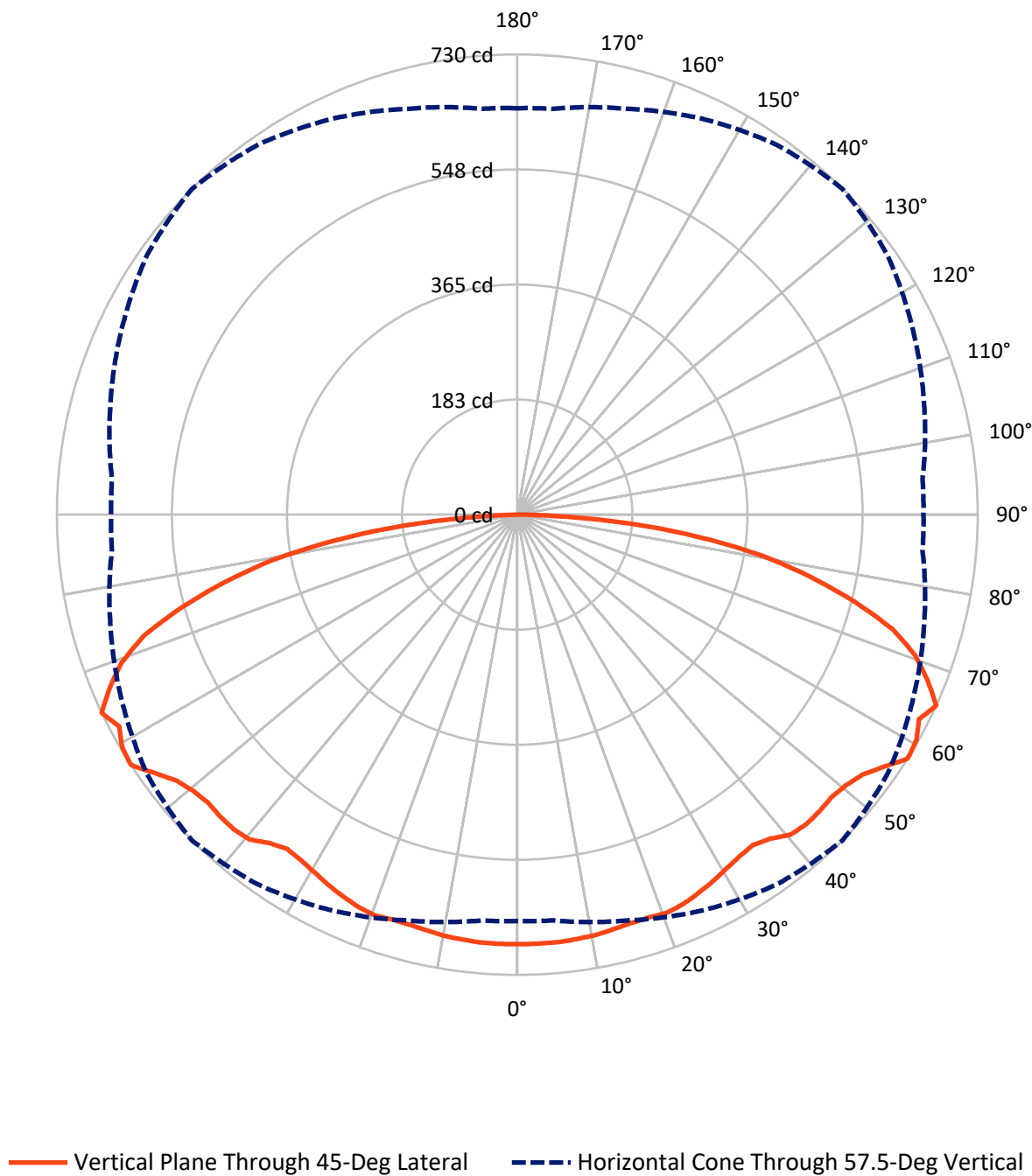


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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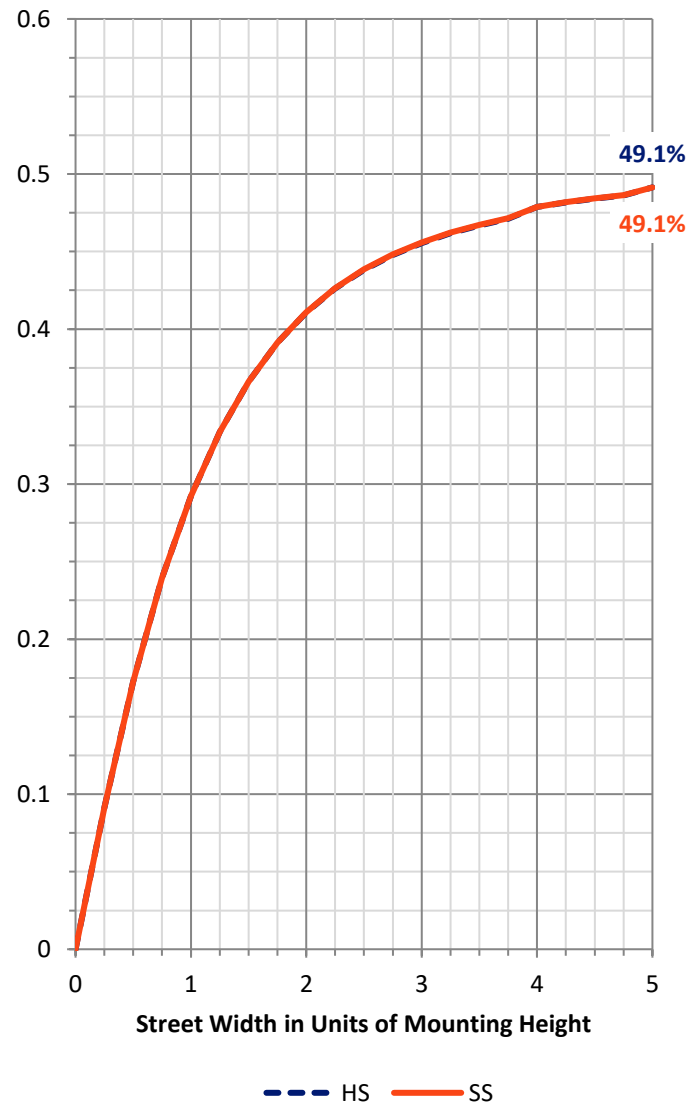
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1711.0	0.0	1711.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1711.0	0.0	1711.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3422.0	0.0	3422.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	1.9
10°-20°	191.0	5.6
20°-30°	306.9	9.0
30°-40°	405.2	11.8
40°-50°	507.0	14.8
50°-60°	603.0	17.6
60°-70°	654.0	19.1
70°-80°	520.6	15.2
80°-90°	169.2	4.9
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°	3422.0	100.0
0°-180°	3422.0	100.0

Coefficient of Utilization



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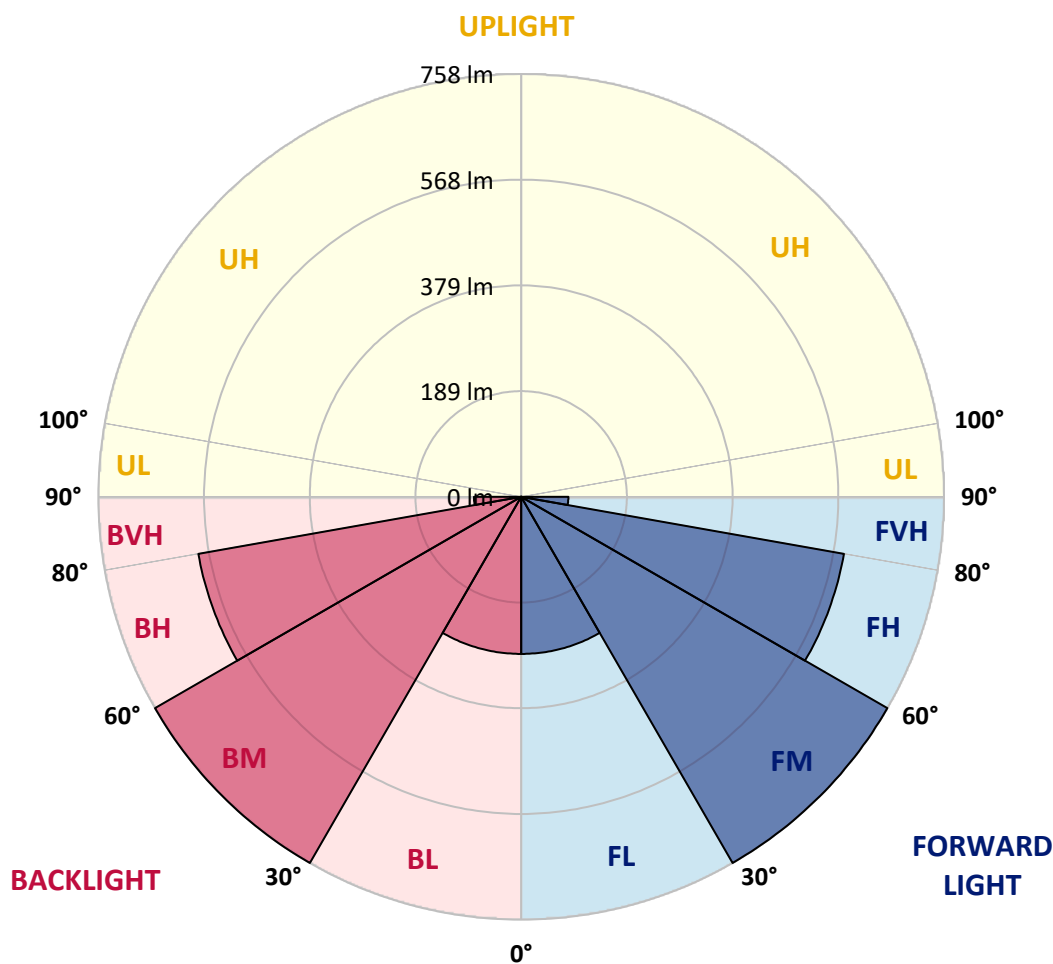
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	281.5	8.2			
FM	(30°-60°)	757.6	22.1			
FH	(60°-80°)	587.3	17.2			G0/660
FVH	(80°-90°)	84.6	2.5			G1/100
BL	(0°-30°)	281.5	8.2	B1/500		
BM	(30°-60°)	757.6	22.1	B1/1000		
BH	(60°-80°)	587.3	17.2	B2/1000		G0/660
BVH	(80°-90°)	84.6	2.5			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°	681.6	681.6	681.6	681.6	681.6	681.6	681.6	681.6	681.6	681.6	681.6
2.5°	682.6	682.1	682.6	682.1	682.1	681.6	682.1	682.1	682.1	682.1	682.1
5°	682.1	681.6	681.6	682.1	681.6	681.6	681.6	681.6	681.6	681.6	681.6
7.5°	680.0	680.0	680.5	680.0	680.0	680.0	680.0	680.0	680.0	680.5	680.5
10°	678.5	678.0	678.5	678.5	678.0	678.5	678.0	678.5	678.5	678.5	678.5
12.5°	676.5	676.0	676.5	676.5	676.0	675.4	676.0	676.0	676.5	676.5	676.5
15°	672.9	672.9	673.9	673.4	673.4	672.9	673.9	673.4	672.9	673.4	673.4
17.5°	670.4	670.4	671.4	672.4	672.4	672.4	672.4	671.9	670.9	671.4	670.4
20°	670.9	671.4	671.9	673.4	674.4	674.9	674.9	673.4	671.9	672.4	671.9
22.5°	669.3	668.8	669.3	670.4	671.9	671.9	671.9	669.8	669.3	668.8	668.8
25°	663.2	663.2	664.3	665.3	666.3	665.8	666.3	665.3	664.3	663.2	663.2
27.5°	656.1	656.1	657.6	658.7	659.7	659.7	659.2	658.1	657.6	656.6	656.1
30°	649.0	649.0	650.5	651.5	653.1	652.5	652.5	651.0	649.5	648.5	648.5
32.5°	641.3	640.8	642.4	644.9	646.9	646.9	646.9	643.9	641.9	640.8	640.3
35°	634.7	634.7	636.8	641.3	643.9	643.9	642.9	640.8	636.3	634.7	634.7
37.5°	632.7	634.2	639.8	646.4	651.5	652.5	651.0	645.4	639.3	634.7	633.2
40°	639.3	640.8	648.0	658.7	666.3	667.8	666.3	658.1	647.5	640.3	639.8
42.5°	640.3	641.3	650.0	662.2	669.3	671.9	669.3	661.2	649.5	640.8	640.3
45°	636.8	637.3	647.5	660.2	668.8	671.9	668.8	659.2	646.9	637.3	636.8
47.5°	632.2	633.2	644.4	657.6	668.3	670.4	667.8	657.1	643.4	633.7	632.2
50°	628.6	631.7	641.9	656.6	669.3	675.4	669.3	655.1	641.3	630.7	628.6
52.5°	630.7	631.7	644.9	665.8	683.1	685.6	682.6	665.8	643.9	631.7	630.1
55°	636.8	641.3	655.6	685.6	701.4	706.0	699.4	684.6	656.1	641.3	636.8
57.5°	644.9	646.4	666.8	693.3	716.7	730.4	717.2	692.8	668.3	645.4	644.4
60°	638.3	633.7	659.2	690.2	721.8	727.4	719.7	690.7	658.1	633.2	637.8
62.5°	620.5	623.5	644.4	687.2	709.0	715.2	707.0	687.2	643.4	626.1	618.9
65°	606.2	624.5	647.5	678.0	713.1	730.4	713.6	677.0	648.5	621.5	604.7
67.5°	586.4	589.9	624.0	661.7	693.3	701.9	692.8	662.2	621.0	587.4	589.9
70°	552.8	547.7	582.3	626.1	656.1	669.8	657.1	624.0	580.8	546.7	551.3
72.5°	497.3	500.4	532.4	578.7	609.8	623.0	610.3	575.2	531.4	503.4	500.4
75°	439.3	442.8	473.9	516.1	547.7	553.3	549.7	513.6	474.9	442.3	439.3
77.5°	373.1	376.7	402.1	448.4	467.3	475.9	468.3	451.0	401.1	376.2	372.1
80°	299.8	298.8	321.2	360.9	384.3	394.0	384.3	361.9	320.2	300.8	294.2
82.5°	214.3	215.3	236.2	263.7	286.1	289.1	284.5	266.2	234.1	217.9	208.7
85°	119.1	123.7	139.0	159.3	174.1	179.2	171.5	154.2	138.4	125.7	121.7
87.5°	28.5	31.0	36.1	45.8	51.4	56.5	51.4	47.8	34.1	31.0	28.5
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)