

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: P197635

Luminaire Tested: **TT-C2-LED-E1-MQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197635
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-C2-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: 4509.4 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 34
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



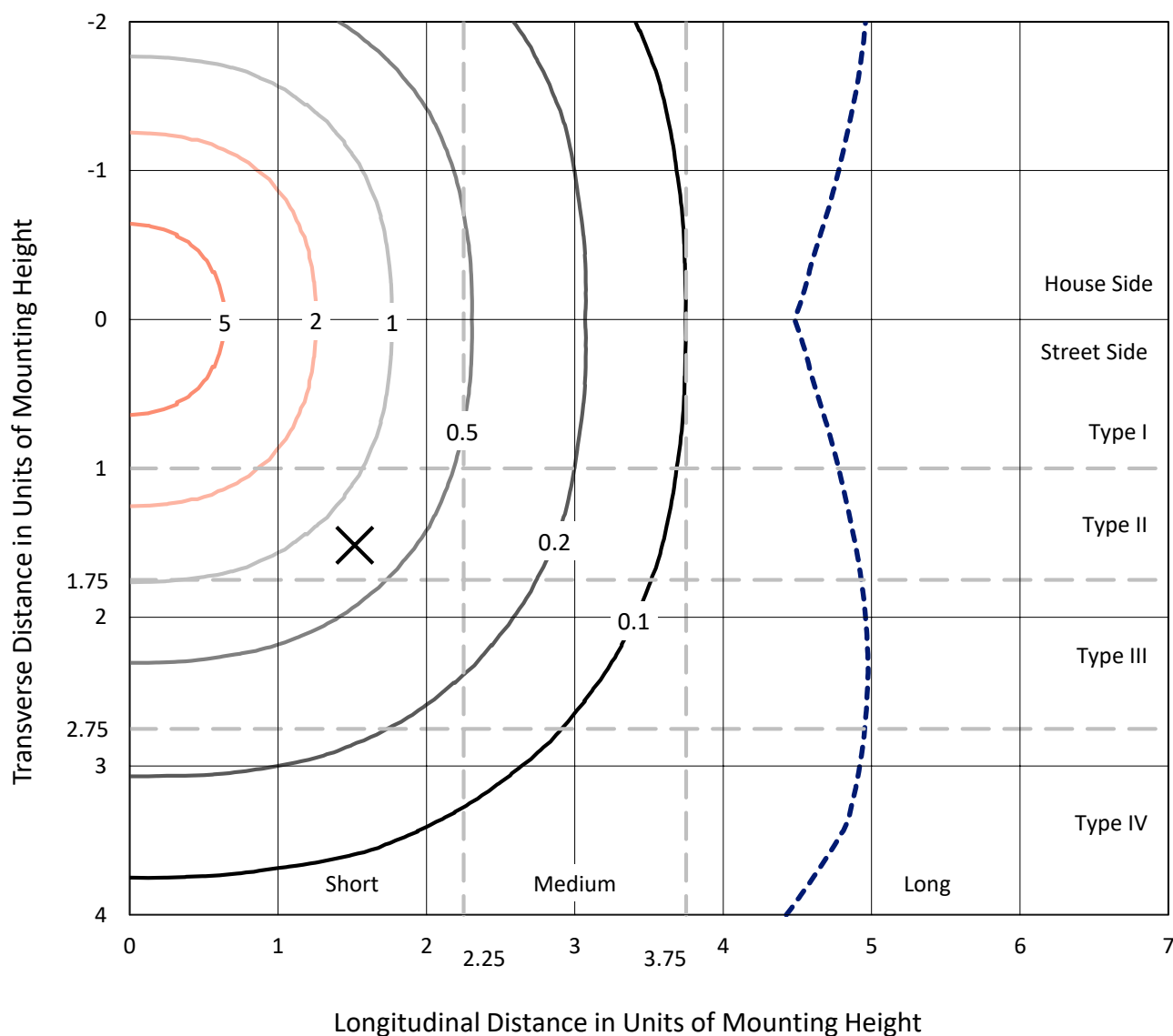
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

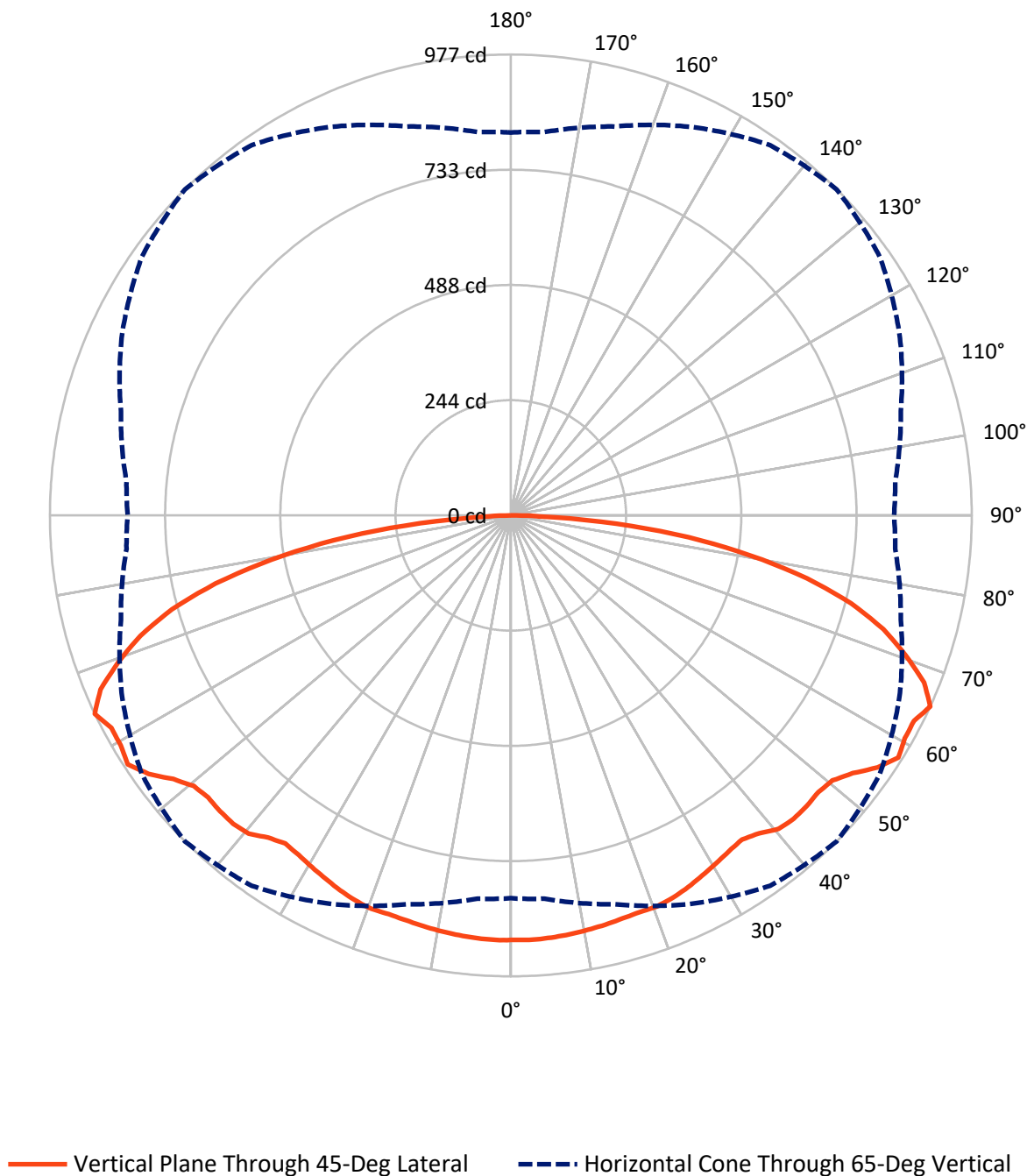


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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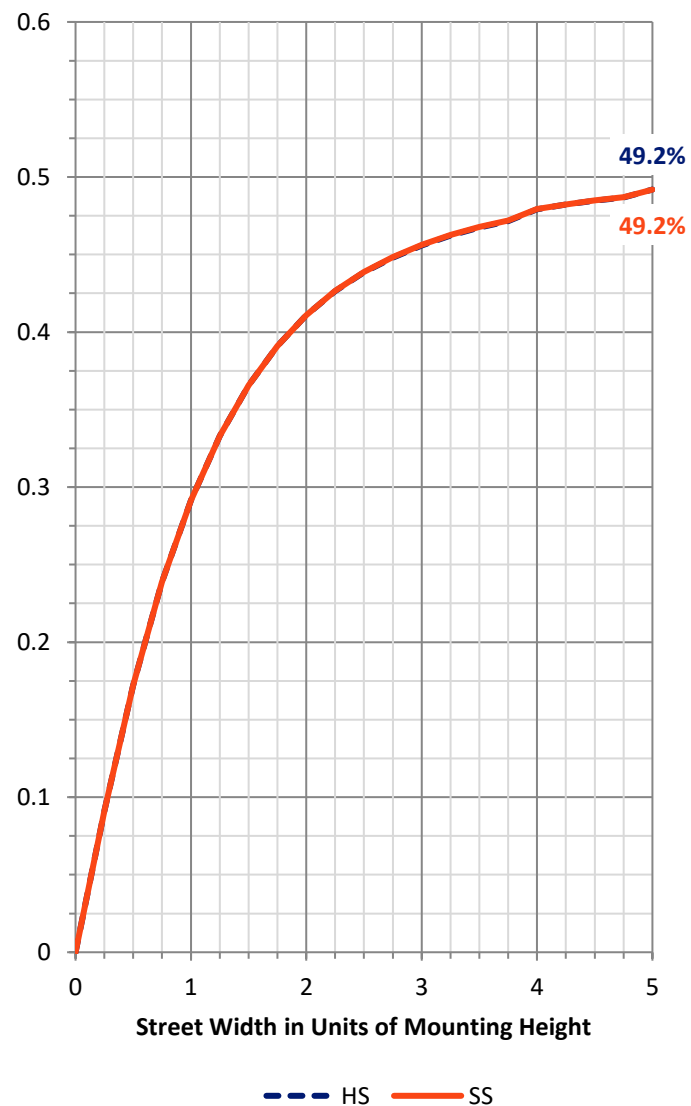
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2254.7	0.0	2254.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2254.7	0.0	2254.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4509.4	0.0	4509.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	1.9
10°-20°	251.2	5.6
20°-30°	401.9	8.9
30°-40°	530.8	11.8
40°-50°	663.6	14.7
50°-60°	796.7	17.7
60°-70°	870.8	19.3
70°-80°	691.9	15.3
80°-90°	216.9	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°	4509.4	100.0
0°-180°	4509.4	100.0

Coefficient of Utilization



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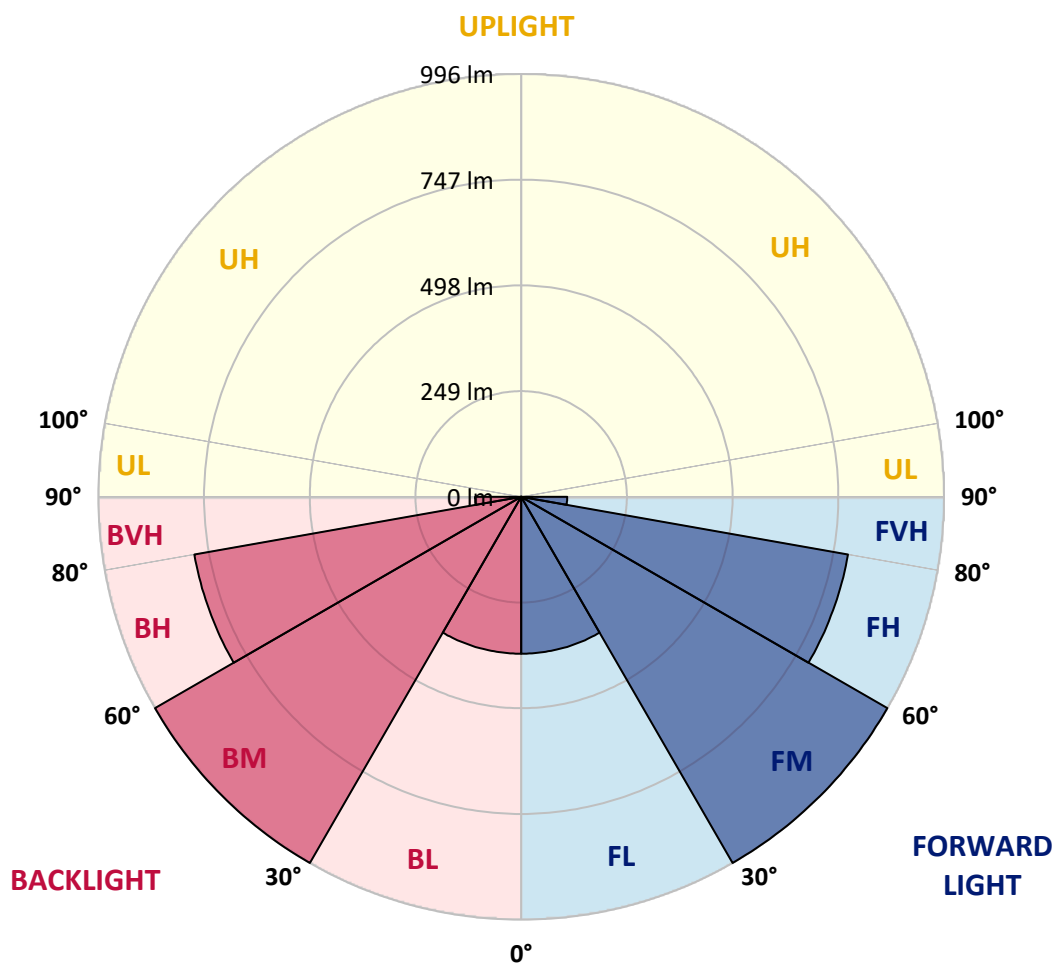
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.3	8.2			
FM	(30°-60°)	995.5	22.1			
FH	(60°-80°)	781.3	17.3			G1/1800
FVH	(80°-90°)	108.5	2.4			G2/225
BL	(0°-30°)	369.3	8.2	B1/500		
BM	(30°-60°)	995.5	22.1	B1/1000		
BH	(60°-80°)	781.3	17.3	B2/1000		G1/1800
BVH	(80°-90°)	108.5	2.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7
2.5°	900.5	900.5	900.5	900.5	899.7	900.5	899.7	899.7	900.5	900.5	900.5
5°	898.9	898.9	898.9	898.9	898.9	898.9	898.9	898.9	898.9	898.9	898.9
7.5°	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5
10°	893.4	894.2	894.2	894.2	893.4	893.4	893.4	894.2	894.2	893.4	893.4
12.5°	890.2	890.2	891.0	890.2	890.2	890.2	890.2	890.2	890.2	890.2	889.4
15°	885.5	885.5	886.3	886.3	886.3	886.3	886.3	885.5	885.5	884.7	884.7
17.5°	881.6	881.6	883.1	883.1	883.9	883.9	883.9	882.3	882.3	880.8	880.8
20°	880.8	880.8	881.6	883.1	883.9	884.7	883.9	882.3	880.8	879.2	879.2
22.5°	875.2	876.0	877.6	878.4	880.0	880.0	880.0	877.6	876.8	875.2	875.2
25°	868.2	867.4	869.7	871.3	872.9	872.9	872.1	870.5	869.7	867.4	867.4
27.5°	857.1	857.9	859.5	861.9	864.2	864.2	863.4	861.9	860.3	858.7	857.9
30°	847.7	848.5	850.0	852.4	854.0	856.3	854.0	852.4	850.0	849.3	848.5
32.5°	837.4	838.2	840.6	844.5	846.9	848.5	846.9	845.3	841.4	839.0	838.2
35°	830.3	831.1	833.5	839.0	843.7	843.7	843.7	839.8	835.1	831.1	830.3
37.5°	831.1	832.7	838.2	846.1	854.0	854.8	854.0	846.1	839.0	832.7	831.9
40°	837.4	839.0	848.5	860.3	870.5	873.7	871.3	860.3	849.3	840.6	838.2
42.5°	836.6	839.0	849.3	864.2	874.5	879.2	874.5	864.2	850.8	841.4	838.2
45°	833.5	835.1	846.1	861.9	874.5	879.2	875.2	863.4	848.5	837.4	835.1
47.5°	828.8	830.3	839.0	857.9	872.1	876.8	872.9	860.3	841.4	832.7	831.1
50°	822.5	827.2	841.4	861.1	880.0	883.1	880.8	862.6	842.9	830.3	824.0
52.5°	828.8	828.0	844.5	880.0	897.3	907.5	899.7	878.4	848.5	831.9	830.3
55°	842.9	849.3	867.4	900.5	928.8	943.0	932.0	902.8	868.9	848.5	844.5
57.5°	842.2	850.0	882.3	915.4	958.8	968.2	955.6	919.4	880.8	854.0	843.7
60°	837.4	840.6	865.0	924.1	948.5	959.5	948.5	920.2	871.3	841.4	841.4
62.5°	821.7	827.2	865.8	906.8	941.4	958.8	945.4	909.9	865.0	832.7	822.5
65°	811.4	815.4	853.2	908.3	958.0	976.9	954.8	909.1	855.6	817.7	812.2
67.5°	779.1	786.2	821.7	881.6	929.6	944.6	935.9	880.0	821.7	787.0	778.3
70°	724.0	727.9	776.8	833.5	877.6	887.9	875.2	839.0	772.0	733.4	721.6
72.5°	656.2	661.8	706.7	769.7	812.2	825.6	810.6	772.0	702.7	668.1	657.0
75°	587.7	593.2	622.4	690.9	726.4	745.3	727.9	686.2	623.9	590.1	585.3
77.5°	489.2	497.9	542.8	588.5	622.4	642.1	627.1	588.5	539.6	499.5	484.5
80°	384.4	390.7	432.5	472.7	503.4	516.0	508.9	472.7	433.3	392.3	385.2
82.5°	269.4	273.4	309.6	341.9	379.7	379.7	371.8	348.2	308.8	273.4	274.9
85°	144.2	148.9	176.5	201.7	225.3	225.3	218.2	203.3	175.7	148.1	145.0
87.5°	29.1	32.3	42.5	46.5	55.1	59.1	53.6	48.8	42.5	33.9	33.9
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)