

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: P400607

Luminaire Tested: **TT-D2-827-U-MQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400607
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-D2-827-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: 4658 lumens
Efficiency: N/A
Efficacy: 118.8 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): 39.2
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

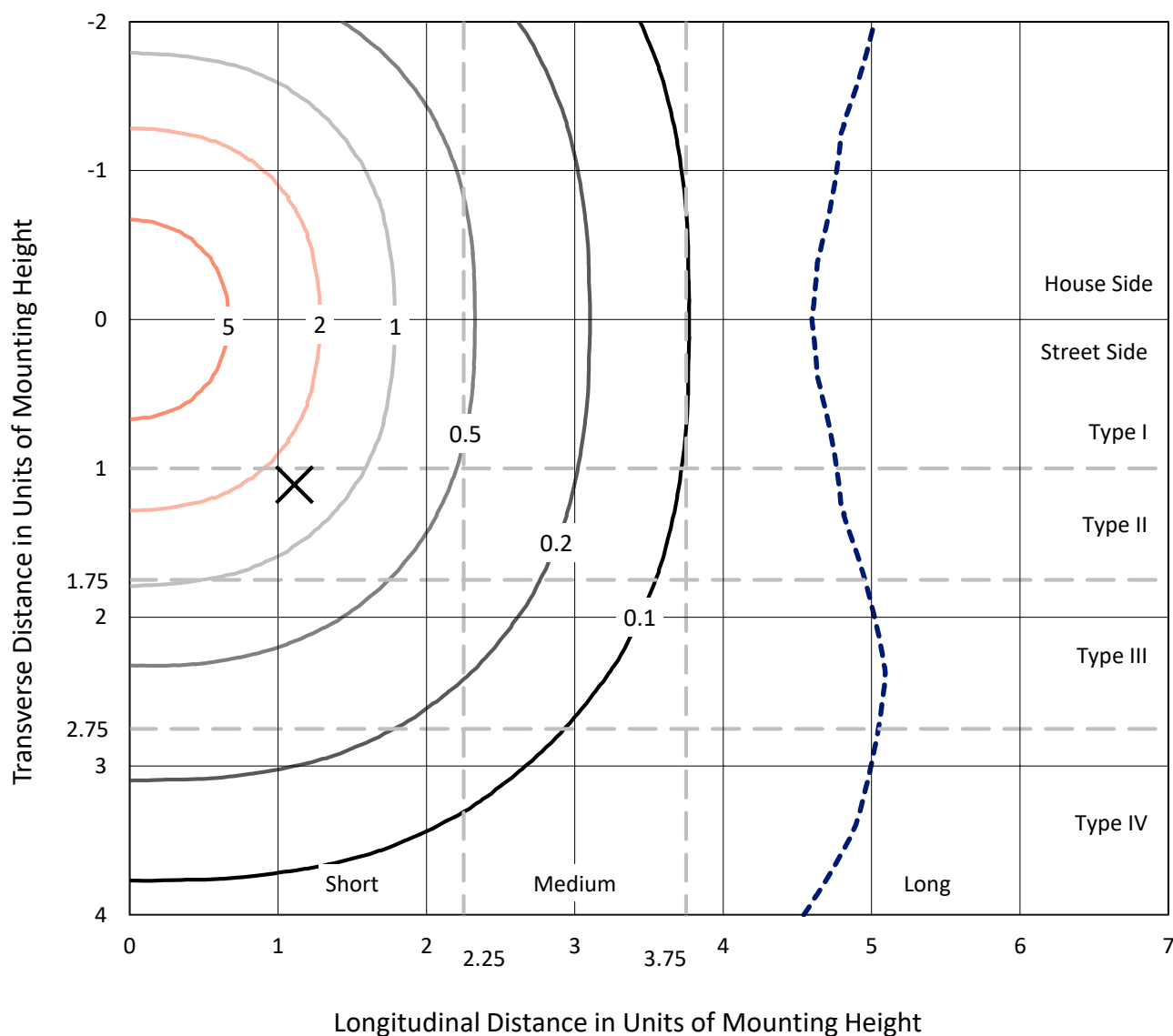


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

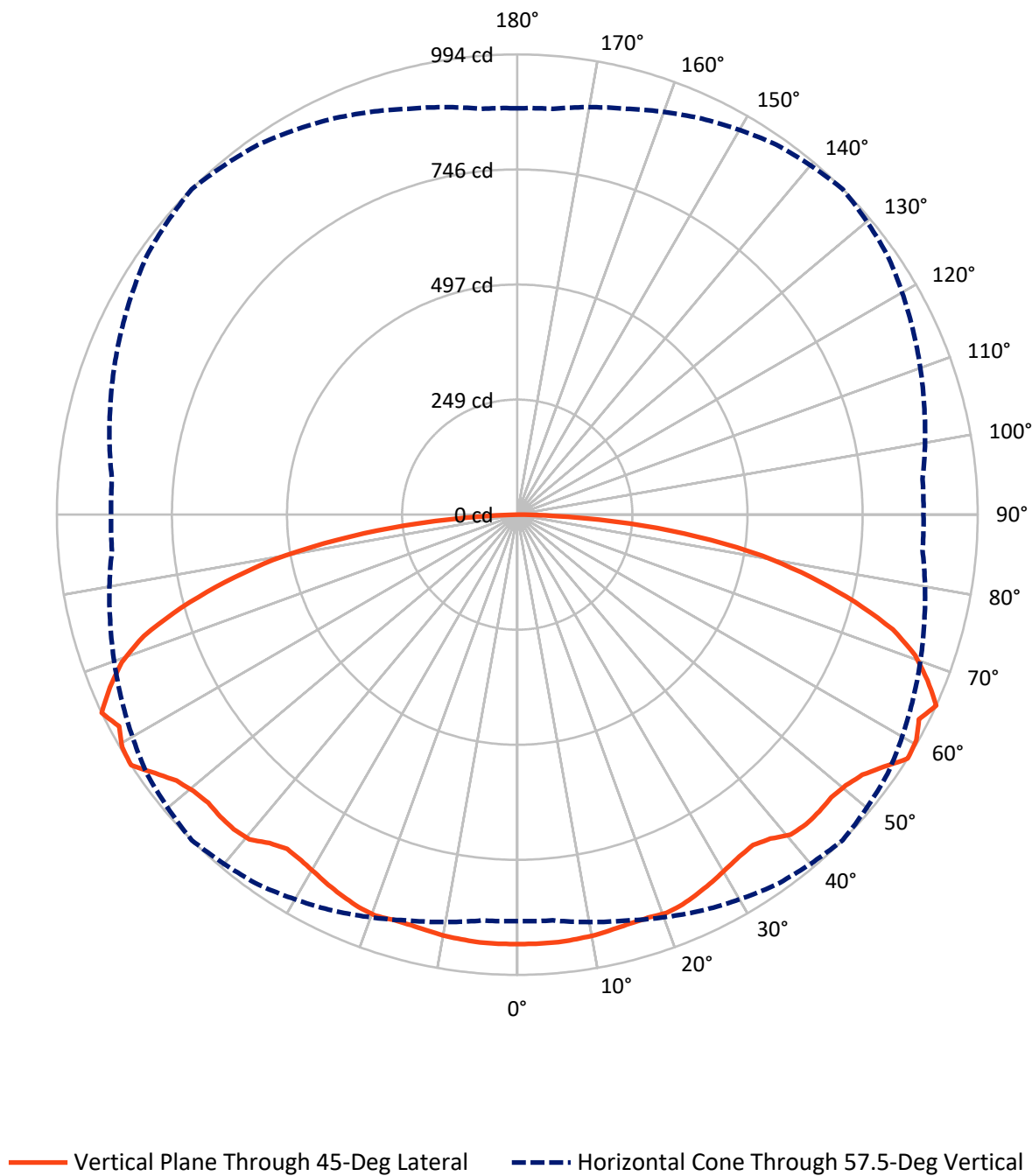


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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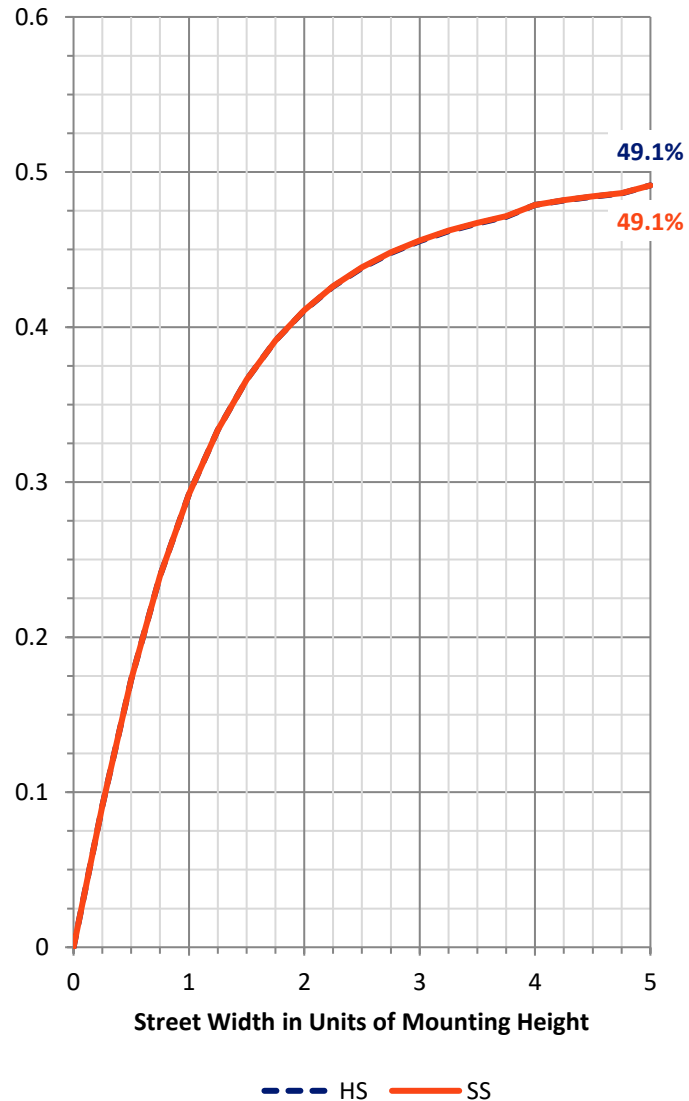
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2329.0	0.0	2329.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2329.0	0.0	2329.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4658.0	0.0	4658.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	1.9
10°-20°	260.0	5.6
20°-30°	417.8	9.0
30°-40°	551.6	11.8
40°-50°	690.1	14.8
50°-60°	820.8	17.6
60°-70°	890.3	19.1
70°-80°	708.6	15.2
80°-90°	230.4	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°	4658.0	100.0
0°-180°	4658.0	100.0

Coefficient of Utilization



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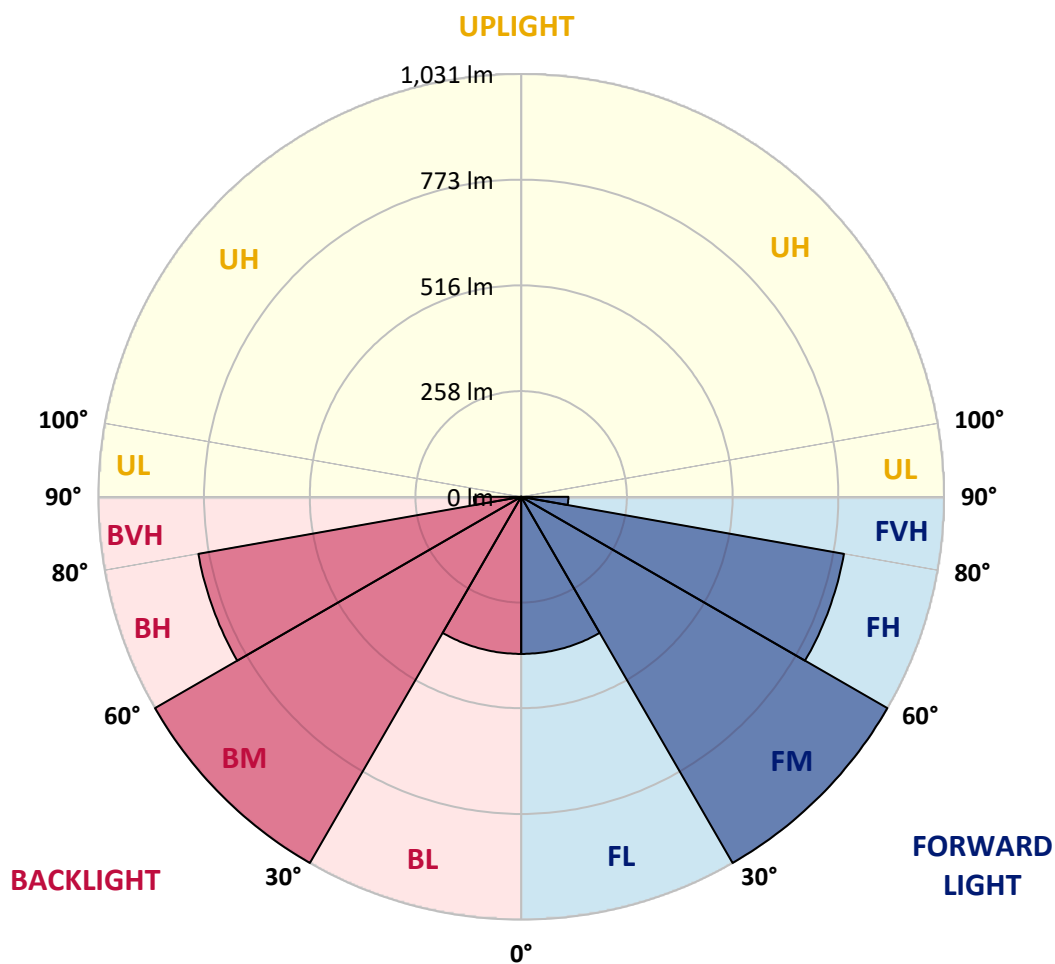
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	383.1	8.2			
FM	(30°-60°)	1031.3	22.1			
FH	(60°-80°)	799.4	17.2			G1/1800
FVH	(80°-90°)	115.2	2.5			G2/225
BL	(0°-30°)	383.1	8.2	B1/500		
BM	(30°-60°)	1031.3	22.1	B2/2500		
BH	(60°-80°)	799.4	17.2	B2/1000		G1/1800
BVH	(80°-90°)	115.2	2.5			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°	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7
2.5°	929.1	928.4	929.1	928.4	928.4	927.7	928.4	928.4	928.4	928.4	928.4
5°	928.4	927.7	927.7	928.4	927.7	927.7	927.7	927.7	927.7	927.7	927.7
7.5°	925.7	925.7	926.3	925.7	925.7	925.7	925.7	925.7	925.7	926.3	926.3
10°	923.6	922.9	923.6	923.6	922.9	923.6	922.9	923.6	923.6	923.6	923.6
12.5°	920.8	920.1	920.8	920.8	920.1	919.4	920.1	920.1	920.8	920.8	920.8
15°	916.0	916.0	917.3	916.6	916.6	916.0	917.3	916.6	916.0	916.6	916.6
17.5°	912.5	912.5	913.9	915.3	915.3	915.3	915.3	914.6	913.2	913.9	912.5
20°	913.2	913.9	914.6	916.6	918.0	918.7	918.7	916.6	914.6	915.3	914.6
22.5°	911.1	910.4	911.1	912.5	914.6	914.6	914.6	911.8	911.1	910.4	910.4
25°	902.8	902.8	904.2	905.6	906.9	906.3	906.9	905.6	904.2	902.8	902.8
27.5°	893.1	893.1	895.2	896.6	897.9	897.9	897.2	895.9	895.2	893.8	893.1
30°	883.4	883.4	885.5	886.9	888.9	888.2	888.2	886.2	884.1	882.7	882.7
32.5°	873.0	872.3	874.4	877.8	880.6	880.6	880.6	876.5	873.7	872.3	871.6
35°	864.0	864.0	866.8	873.0	876.5	876.5	875.1	872.3	866.1	864.0	864.0
37.5°	861.2	863.3	870.9	879.9	886.9	888.2	886.2	878.5	870.2	864.0	861.9
40°	870.2	872.3	882.0	896.6	906.9	909.0	906.9	895.9	881.3	871.6	870.9
42.5°	871.6	873.0	884.8	901.4	911.1	914.6	911.1	900.0	884.1	872.3	871.6
45°	866.8	867.5	881.3	898.6	910.4	914.6	910.4	897.2	880.6	867.5	866.8
47.5°	860.5	861.9	877.2	895.2	909.7	912.5	909.0	894.5	875.8	862.6	860.5
50°	855.7	859.8	873.7	893.8	911.1	919.4	911.1	891.7	873.0	858.4	855.7
52.5°	858.4	859.8	877.8	906.3	929.8	933.3	929.1	906.3	876.5	859.8	857.8
55°	866.8	873.0	892.4	933.3	954.8	961.0	952.0	931.9	893.1	873.0	866.8
57.5°	877.8	879.9	907.6	943.7	975.5	994.2	976.2	943.0	909.7	878.5	877.2
60°	868.8	862.6	897.2	939.5	982.5	990.1	979.7	940.2	895.9	861.9	868.1
62.5°	844.6	848.7	877.2	935.4	965.1	973.5	962.4	935.4	875.8	852.2	842.5
65°	825.2	850.1	881.3	922.9	970.7	994.2	971.4	921.5	882.7	846.0	823.1
67.5°	798.2	803.0	849.4	900.7	943.7	955.4	943.0	901.4	845.3	799.6	803.0
70°	752.4	745.5	792.6	852.2	893.1	911.8	894.5	849.4	790.5	744.1	750.4
72.5°	676.9	681.1	724.7	787.8	830.0	848.1	830.7	782.9	723.3	685.2	681.1
75°	597.9	602.8	645.0	702.6	745.5	753.1	748.3	699.1	646.4	602.1	597.9
77.5°	507.9	512.7	547.4	610.4	636.0	647.8	637.4	613.9	546.0	512.0	506.5
80°	408.1	406.7	437.2	491.2	523.1	536.3	523.1	492.6	435.8	409.5	400.5
82.5°	291.7	293.1	321.5	358.9	389.4	393.5	387.3	362.4	318.7	296.5	284.1
85°	162.1	168.4	189.1	216.9	237.0	243.9	233.5	209.9	188.5	171.1	165.6
87.5°	38.8	42.3	49.2	62.4	70.0	76.9	70.0	65.1	46.4	42.3	38.8
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)