

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: P197656

Luminaire Tested: **TT-C1-LED-E1-MQ-CG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115378)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C1-LED-E1-MQ-CG-LWR-LW-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2878.4 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

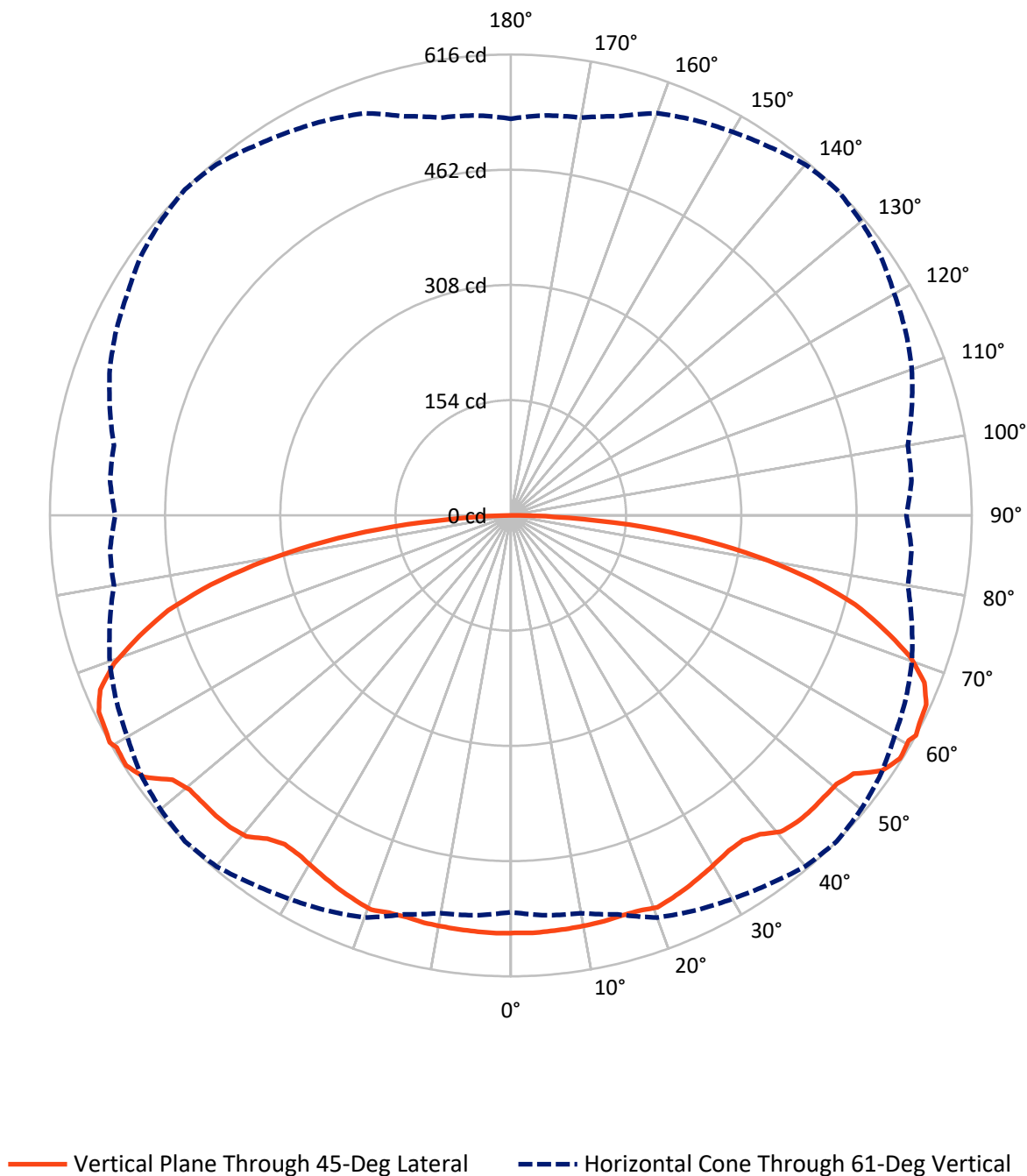
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



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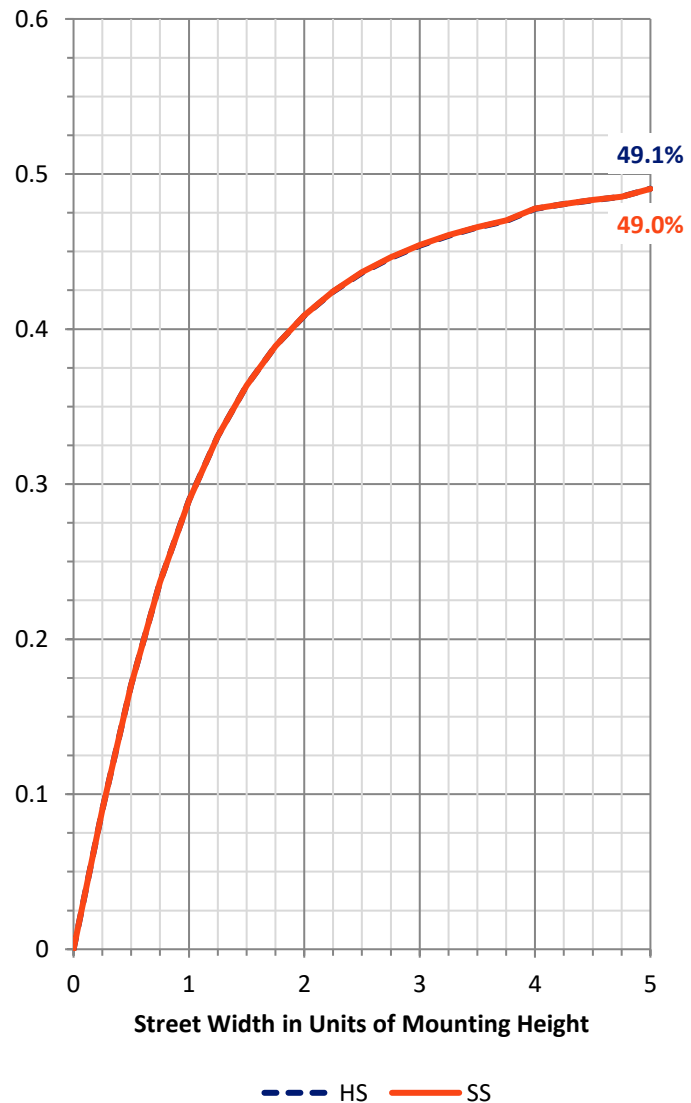
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1439.2	0.0	1439.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1439.2	0.0	1439.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2878.4	0.0	2878.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	1.8
10°-20°	157.3	5.5
20°-30°	253.1	8.8
30°-40°	335.3	11.6
40°-50°	423.4	14.7
50°-60°	507.3	17.6
60°-70°	554.7	19.3
70°-80°	444.0	15.4
80°-90°	150.2	5.2
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°	2878.4	100.0
0°-180°	2878.4	100.0

Coefficient of Utilization



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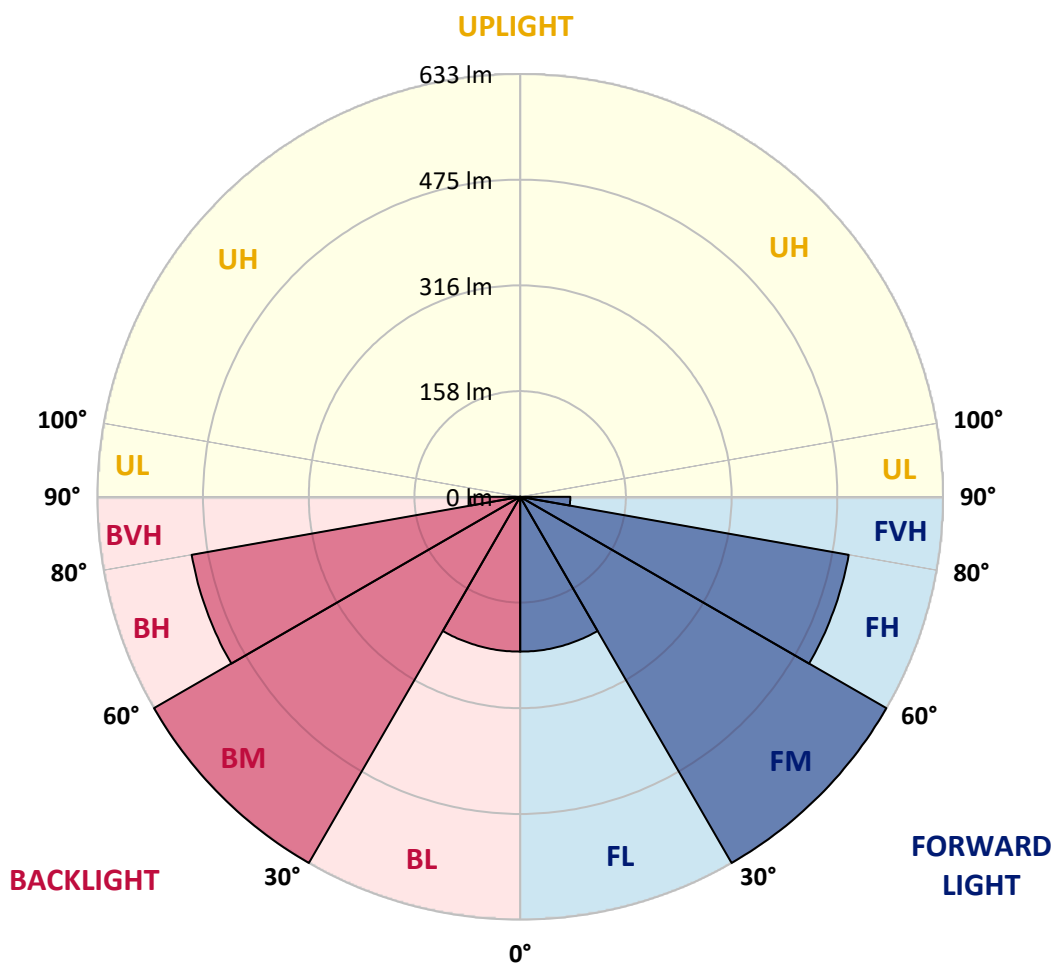
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	231.8	8.1			
FM	(30°-60°)	633.0	22.0			
FH	(60°-80°)	499.3	17.3			G0/660
FVH	(80°-90°)	75.1	2.6			G1/100
BL	(0°-30°)	231.8	8.1	B1/500		
BM	(30°-60°)	633.0	22.0	B1/1000		
BH	(60°-80°)	499.3	17.3	B1/500		G0/660
BVH	(80°-90°)	75.1	2.6			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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7
2.5°	558.2	557.7	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2
5°	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7
7.5°	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.7	557.2	557.7
10°	556.1	556.1	556.1	556.1	556.6	556.6	556.6	556.6	556.6	556.6	556.6
12.5°	555.0	555.0	555.0	555.0	555.5	555.5	555.5	555.5	556.1	556.1	555.5
15°	553.9	553.4	553.4	553.9	553.9	554.4	554.4	554.4	555.0	554.4	554.4
17.5°	552.8	552.3	552.8	553.4	553.4	553.9	554.4	554.4	555.0	555.0	555.0
20°	554.4	553.9	554.4	555.0	555.5	556.6	557.2	557.7	558.2	558.7	558.7
22.5°	551.2	550.7	551.2	551.2	551.7	552.3	553.4	553.9	554.4	554.4	554.4
25°	546.4	546.4	546.9	546.9	547.5	548.0	548.6	549.1	549.1	549.6	549.1
27.5°	541.1	541.1	541.6	541.6	542.7	542.7	543.2	543.7	544.2	544.2	544.2
30°	534.6	534.6	535.2	535.7	536.7	537.3	537.8	538.3	538.9	538.9	538.9
32.5°	528.7	528.2	528.7	529.8	531.4	532.5	533.5	534.1	534.1	534.1	534.6
35°	523.9	524.4	525.5	526.6	528.7	529.8	530.8	532.5	533.0	533.0	533.0
37.5°	525.0	525.5	527.1	529.2	531.9	535.2	537.3	539.4	541.1	540.5	540.0
40°	531.9	533.0	535.7	538.9	543.2	547.5	550.7	553.4	555.0	555.5	555.0
42.5°	533.0	534.1	536.2	541.1	545.9	550.7	555.0	557.7	559.8	560.3	559.8
45°	532.5	532.5	535.7	541.1	545.9	550.7	556.1	559.8	562.0	562.0	562.0
47.5°	528.7	530.3	532.5	537.8	544.2	549.1	554.4	558.2	560.9	562.5	560.9
50°	528.7	528.7	532.5	536.2	542.1	550.7	558.2	562.0	564.7	564.1	564.7
52.5°	527.7	530.8	533.0	538.3	549.1	557.7	563.6	568.9	572.6	573.2	572.2
55°	537.3	537.8	542.7	552.8	563.0	572.6	583.4	591.5	597.9	601.7	596.3
57.5°	544.8	542.1	551.7	560.3	572.2	586.7	602.7	609.1	614.0	612.9	614.5
60°	53										

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7
2.5°	558.2	558.2	558.2	558.2	558.2	558.2	557.7	558.2
5°	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7
7.5°	557.7	557.2	557.2	557.2	557.2	557.2	557.2	557.2
10°	556.6	556.6	556.6	556.6	556.1	556.1	556.1	556.1
12.5°	555.5	555.5	555.5	555.5	555.0	555.0	555.0	555.0
15°	554.4	554.4	554.4	554.4	553.9	553.9	553.9	553.9
17.5°	555.0	554.4	553.9	553.9	553.4	552.8	552.8	552.8
20°	558.2	557.7	556.6	555.5	555.0	554.4	554.4	554.4
22.5°	553.9	553.4	552.3	551.7	551.7	551.2	550.7	550.7
25°	549.1	548.0	548.0	547.5	547.5	546.4	546.4	545.9
27.5°	543.7	543.2	542.7	542.1	542.1	541.6	541.1	540.5
30°	538.9	537.8	536.7	536.2	535.7	535.2	535.2	535.2
32.5°	534.1	533.0	532.5	530.8	529.8	529.2	528.7	528.7
35°	532.5	530.8	529.8	528.2	526.6	525.5	525.0	523.9
37.5°	538.9	536.7	535.2	532.5	528.7	527.1	525.5	525.0
40°	552.8	550.7	547.5	543.2	538.9	535.7	533.0	531.9
42.5°	557.7	555.0	550.7	546.4	541.1	536.2	534.1	533.0
45°	559.3	556.6	550.7	545.3	540.5	536.2	533.0	531.9
47.5°	557.7	553.9	548.6	544.2	537.3	531.9	529.8	528.2
50°	561.4	558.2	551.2	541.6	535.7	532.5	528.7	528.2
52.5°	568.9	563.0	556.6	549.6	538.3	531.9	529.8	527.1
55°	591.5	583.4	572.2	560.9	553.9	543.7	537.3	537.3
57.5°	608.6	602.1	587.7	572.6	559.8	552.3	542.7	543.2
60°	603.8	595.2	588.2	573.2	555.0	544.8	541.1	534.1
61°	603.2	591.5	581.8	570.0	554.4	538.3	537.3	528.2
62.5°	604.3	593.6	575.4	563.0	551.2	530.3	529.8	521.2
65°	603.2	593.1	583.9	560.9	544.8	536.2	518.0	525.0
67.5°	586.7	577.5	560.9	548.0	523.3	512.6	502.4	502.4
70°	560.3	546.9	530.8	514.7	498.2	479.9	470.8	465.4
72.5°	516.4	505.1	492.3	475.1	454.7	438.1	429.5	425.8
75°	461.2	448.8	437.6	424.7	403.3	389.3	380.2	377.5