

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: P198090

Luminaire Tested: **TT-C2-LED-E1-RW-PM-SG-LWR-LW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P198090  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34701)  
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-RW-PM-SG-LWR-LW  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS SENSOR  
Light Source: (168) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3290.8 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type III - Short - Full 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

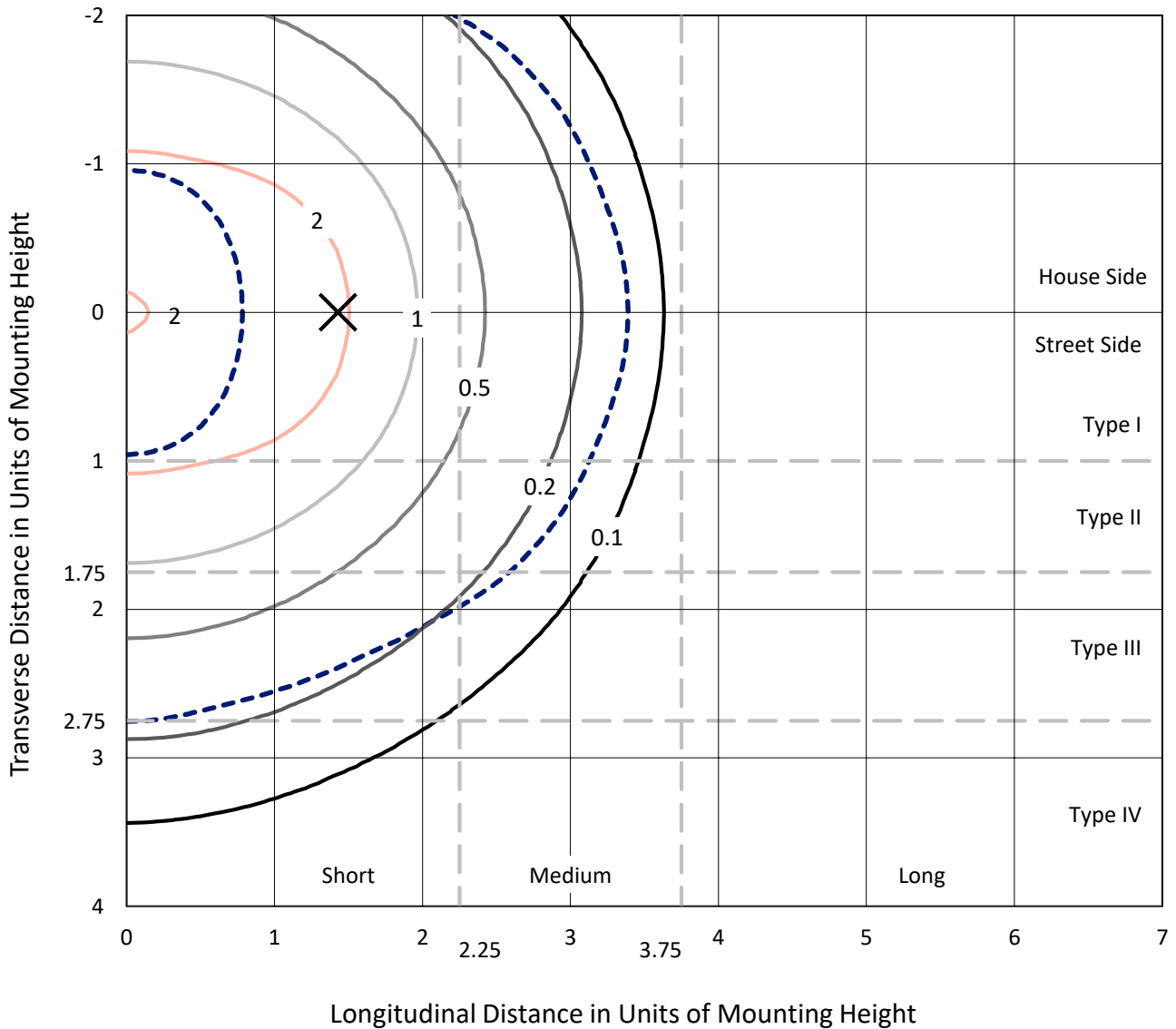


REPORT NUMBER: P198090

CATALOG NUMBER: TT-C2-LED-E1-RW-PM-SG-LWR-LW

### Iso-Footcandle Lines of Horizontal Illumination

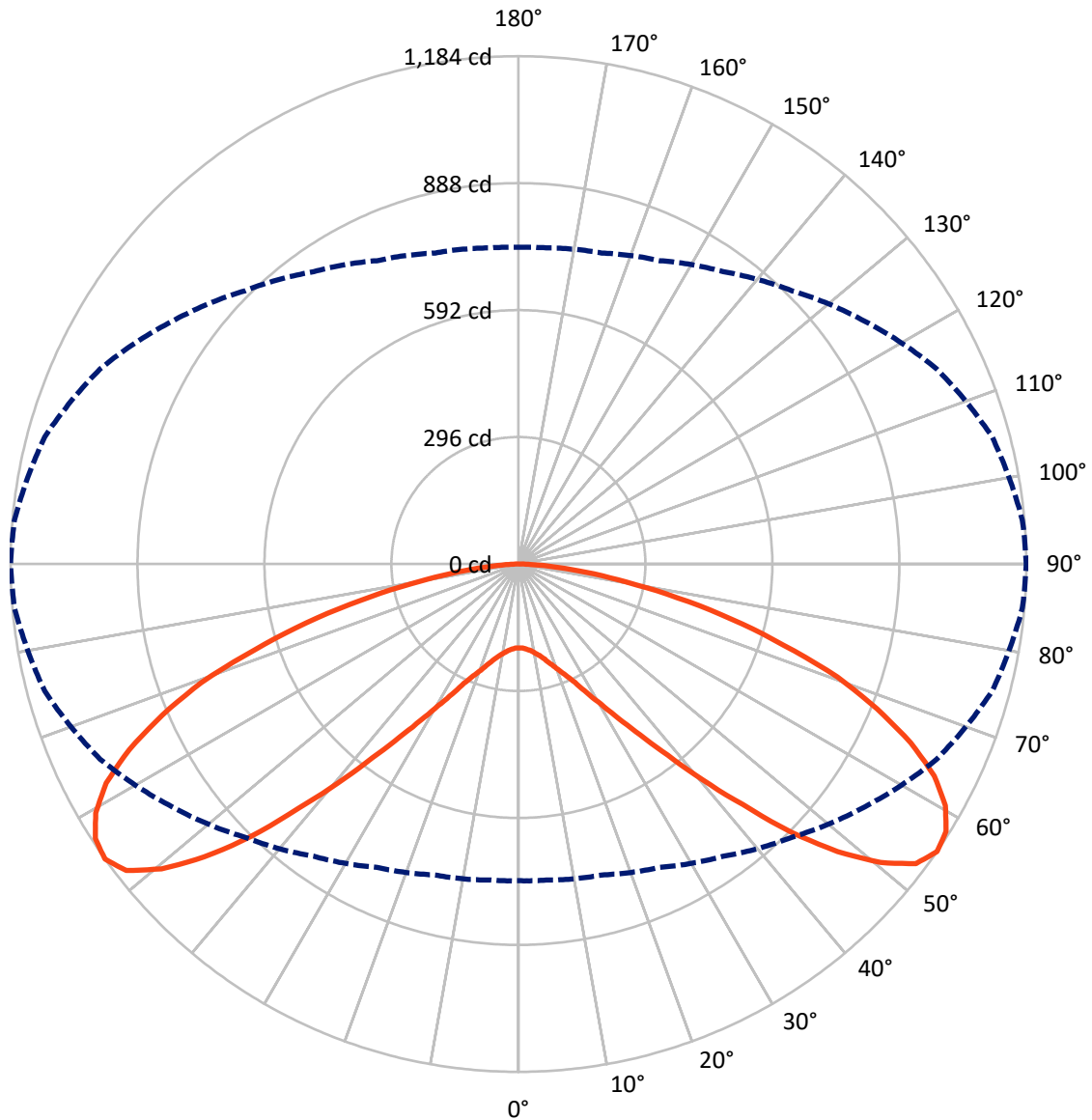
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc  
 Type III - Short - Full Cutoff

REPORT NUMBER: P198090  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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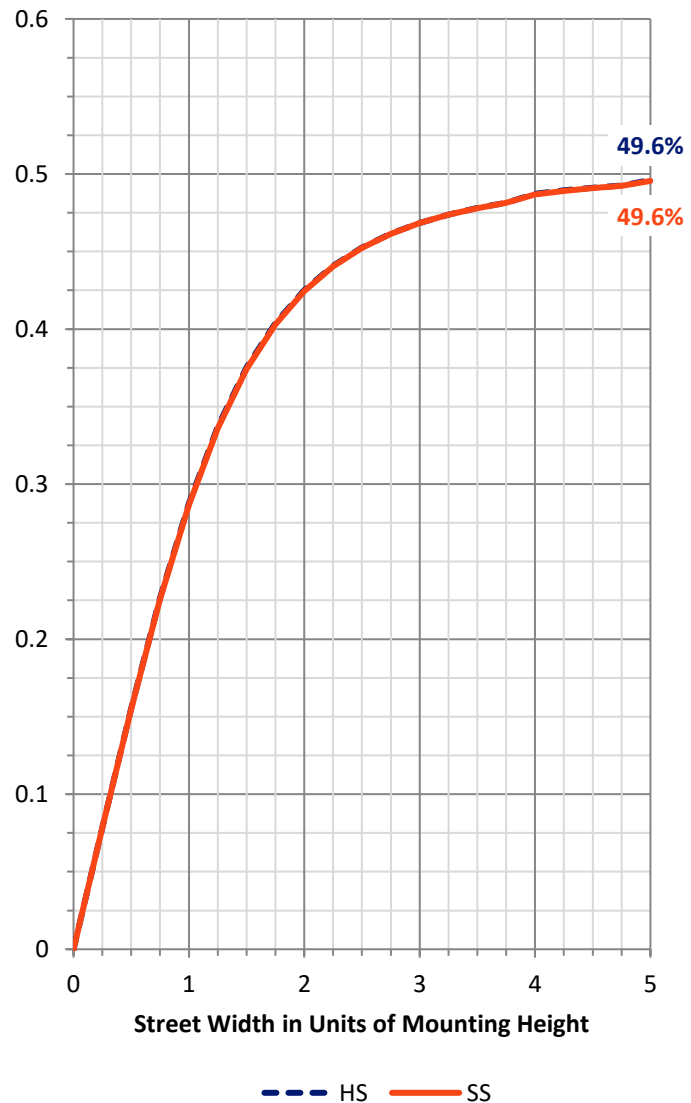
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1645.4	0.0	1645.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1645.4	0.0	1645.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3290.8	0.0	3290.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.4	0.6
10°-20°	67.2	2.0
20°-30°	146.7	4.5
30°-40°	295.1	9.0
40°-50°	557.7	16.9
50°-60°	822.6	25.0
60°-70°	810.3	24.6
70°-80°	471.8	14.3
80°-90°	99.9	3.0
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°	3290.8	100.0
0°-180°	3290.8	100.0



REPORT NUMBER: P198090

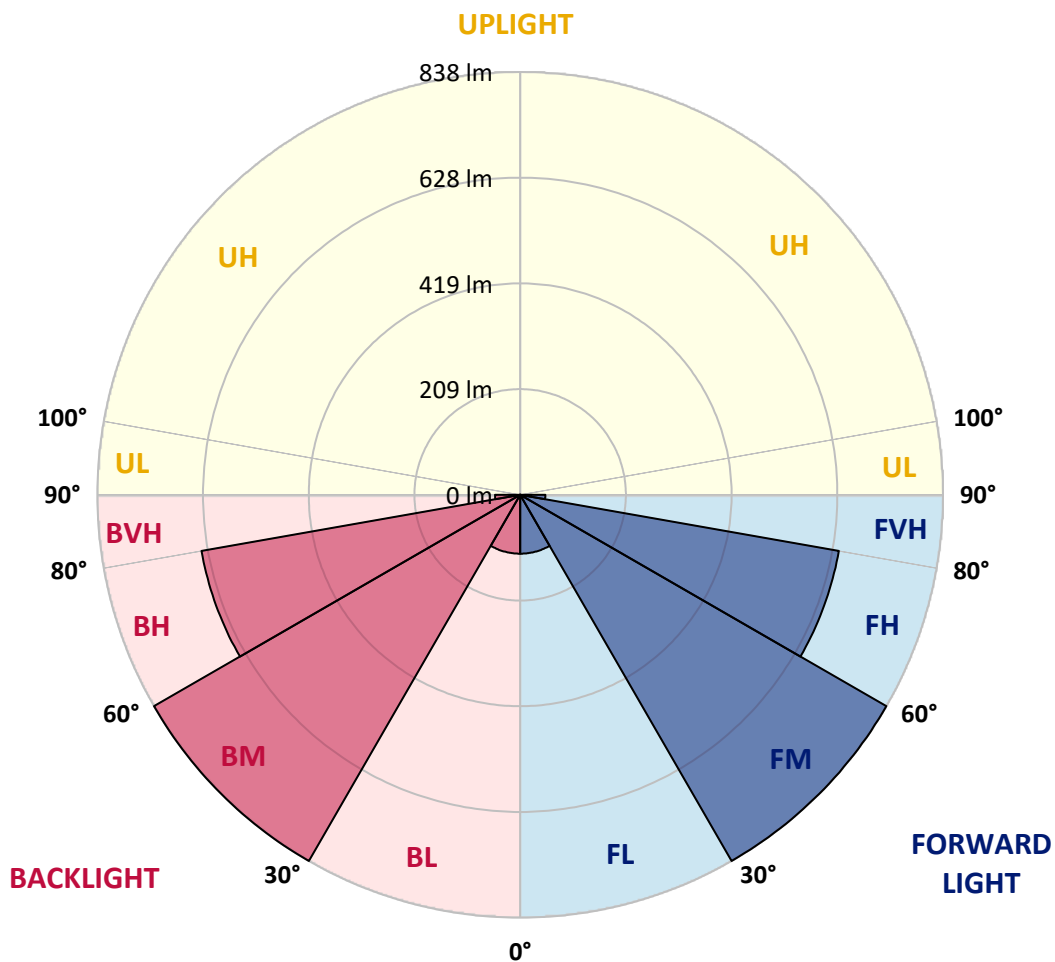
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.7	3.5			
FM	(30°-60°)	837.7	25.5			
FH	(60°-80°)	641.1	19.5			G0/660
FVH	(80°-90°)	49.9	1.5			G1/100
BL	(0°-30°)	116.7	3.5	B1/500		
BM	(30°-60°)	837.7	25.5	B1/1000		
BH	(60°-80°)	641.1	19.5	B2/1000		G2/1000
BVH	(80°-90°)	49.9	1.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5
2.5°	197.0	197.0	197.0	197.0	196.2	197.0	196.2	196.2	196.2	196.2	196.2
5°	199.3	200.0	199.3	199.3	199.3	199.3	199.3	199.3	198.5	198.5	199.3
7.5°	204.6	204.6	204.6	204.6	203.8	204.6	203.8	203.8	203.8	203.8	203.8
10°	212.2	212.2	212.2	212.2	211.4	211.4	211.4	210.7	210.7	210.7	210.7
12.5°	221.3	222.1	222.1	221.3	220.6	220.6	219.8	219.8	219.8	219.8	219.8
15°	235.0	234.2	234.2	232.7	232.7	231.2	232.0	231.2	230.4	229.7	230.4
17.5°	248.7	249.5	249.5	247.9	247.2	246.4	244.9	244.9	244.1	244.9	244.9
20°	270.0	270.0	268.5	266.9	264.7	263.9	262.4	262.4	260.9	262.4	262.4
22.5°	291.3	291.3	289.8	289.0	286.0	283.7	282.9	282.2	281.4	282.9	281.4
25°	317.9	317.9	316.4	313.3	310.3	309.5	307.3	307.3	308.0	308.8	305.7
27.5°	345.3	346.0	344.5	342.2	339.2	336.2	336.2	336.9	337.7	340.7	340.0
30°	378.7	378.0	375.7	372.7	371.1	368.9	369.6	372.7	375.7	378.7	378.7
32.5°	413.0	412.2	411.4	408.4	407.6	406.9	410.7	416.8	422.9	425.1	428.9
35°	449.5	449.5	448.7	446.4	448.0	451.8	457.8	469.3	478.4	489.0	489.0
37.5°	489.8	488.3	489.0	489.0	492.8	499.7	514.1	536.2	555.2	565.8	565.8
40°	531.6	529.3	530.1	533.9	540.7	557.5	582.6	613.0	643.4	657.1	661.7
42.5°	571.9	569.6	572.7	576.5	593.2	619.1	656.3	702.7	746.1	767.4	766.6
45°	609.2	610.7	614.5	623.6	648.0	686.0	739.2	801.6	857.9	883.0	892.1
47.5°	646.5	647.2	652.5	668.5	702.7	750.6	815.3	898.2	960.6	990.2	1001.6
50°	681.4	683.0	692.1	714.9	755.2	813.0	892.9	981.1	1049.5	1084.5	1094.4
52.5°	712.6	714.1	724.8	752.9	800.8	867.8	951.4	1041.9	1114.2	1154.5	1160.6
55°	738.5	740.0	750.6	780.3	832.0	901.2	986.4	1076.2	1143.8	1179.6	1184.2
57.5°	753.7	754.5	765.9	796.3	847.2	911.9	994.0	1080.7	1140.0	1172.0	1175.8
60°	754.5	756.0	766.6	794.0	841.2	900.5	978.8	1056.4	1110.4	1139.3	1143.8
62.5°	740.8	741.5	750.6	771.9	812.3	864.0	936.2	1006.2	1054.9	1083.0	1088.3
65°	709.6	709.6	714.1	730.1	761.3	805.4	867.0	931.7	976.5	1002.4	1005.4
67.5°	657.9	657.9	658.6	669.3	690.6	725.6	778.0	832.0	872.3	898.2	902.0
70°	591.7	590.9	584.9	591.7	605.4	635.0	681.4	722.5	755.2	775.7	789.4
72.5°	508.0	505.0	500.4	498.9	512.6	538.5	576.5	604.6	622.9	644.9	646.5
75°	410.7	409.2	403.1	403.1	416.8	437.3	467.7	486.7	495.9	510.3	513.4
77.5°	306.5	305.7	308.0	308.8	316.4	338.4	355.9	369.6	367.3	376.5	379.5
80°	214.5	216.0	216.0	215.2	222.8	231.2	250.2	254.0	251.0	254.0	254.0
82.5°	136.1	135.4	133.9	136.1	142.2	149.1	156.7	157.4	159.7	157.4	159.0
85°	68.4	67.7	69.2	70.0	73.0	76.8	83.7	85.2	81.4	81.4	79.9
87.5°	23.6	25.1	23.6	24.3	24.3	28.1	27.4	27.4	27.4	27.4	28.9
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)