

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: P197945

Luminaire Tested: **TT-C2-LED-E1-RW-PM-LWR-LW-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197945  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34693)  
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-LWR-LW-8030  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR  
Light Source: (168) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2951.1 lumens  
Efficiency: N/A  
Efficacy: 86.8 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

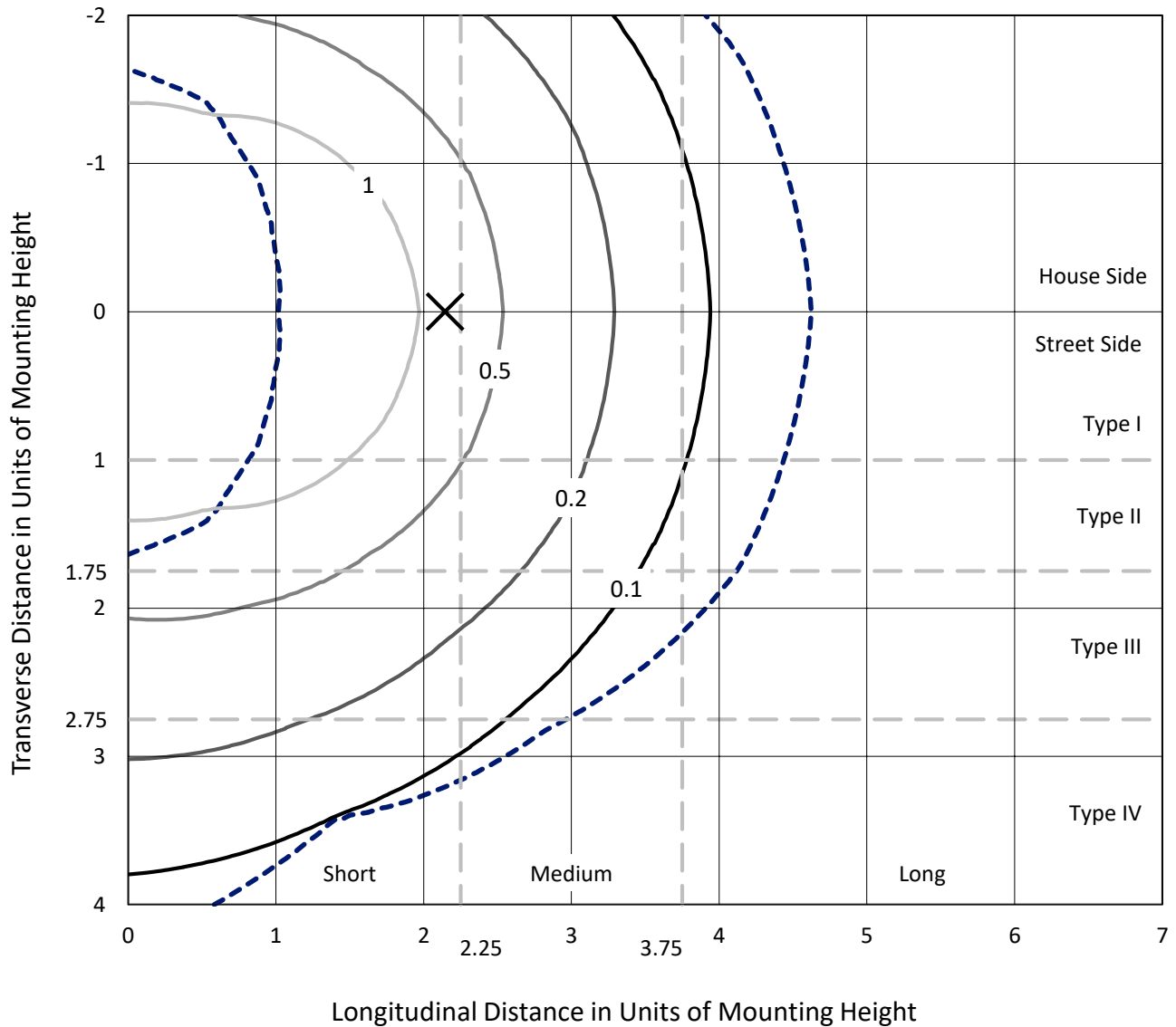


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

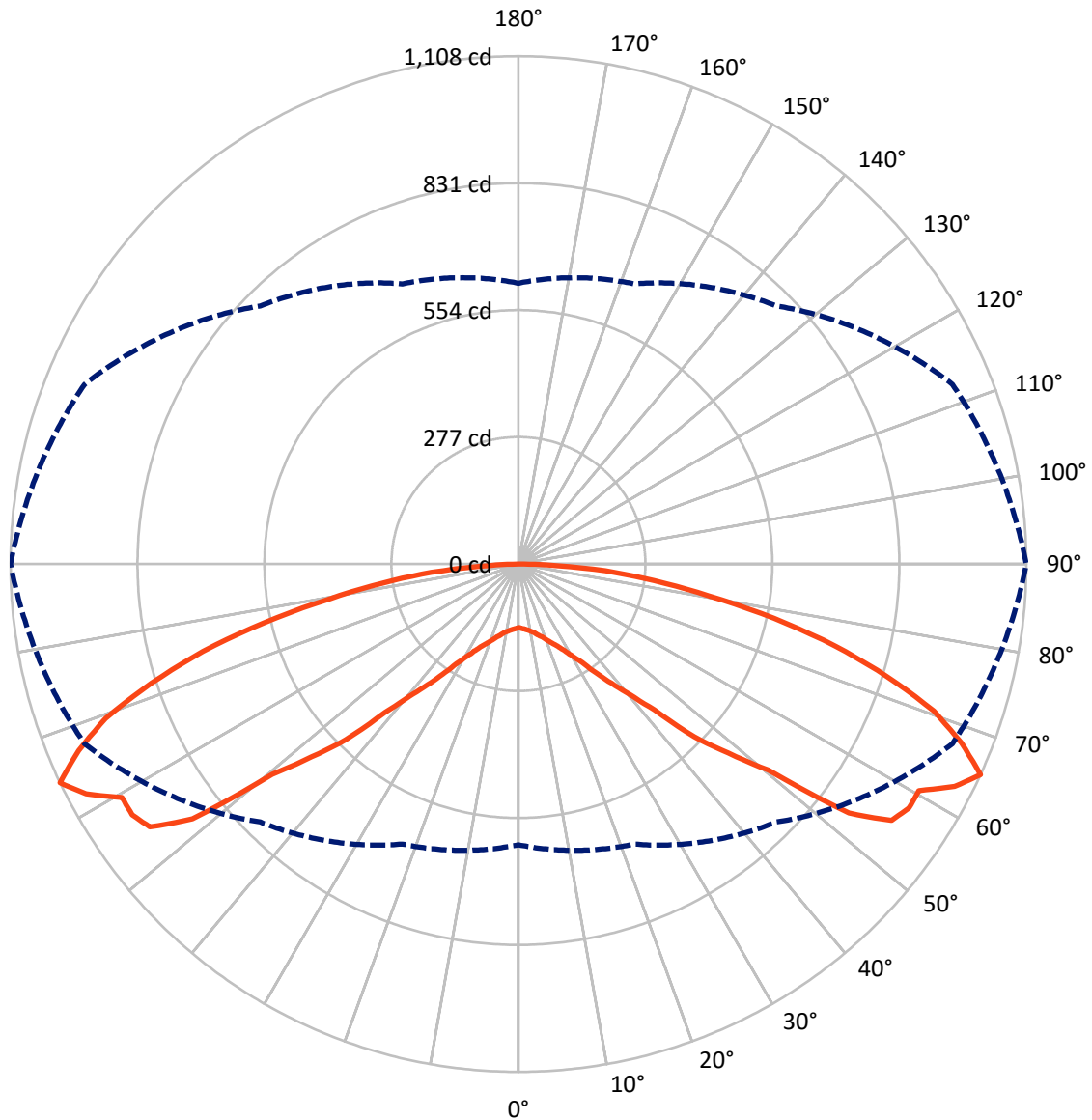


Based on 10 foot mounting height. Maximum calculated value = 2 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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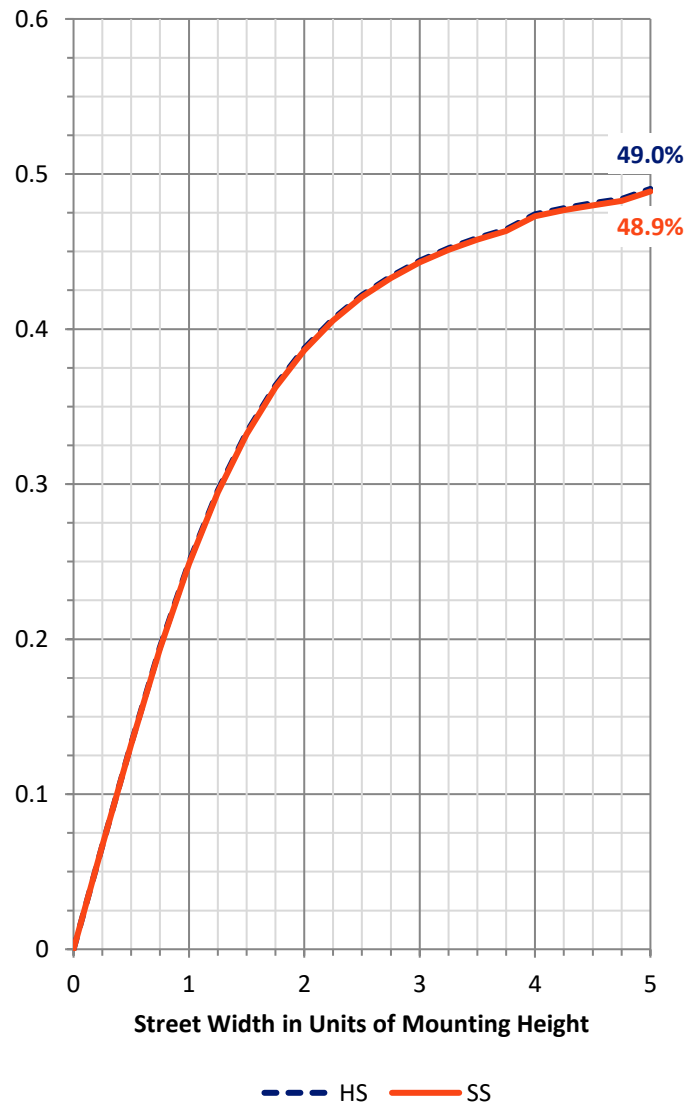
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1475.6	0.0	1475.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1475.6	0.0	1475.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2951.1	0.0	2951.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.9	0.5
10°-20°	47.1	1.6
20°-30°	98.9	3.4
30°-40°	188.1	6.4
40°-50°	349.6	11.8
50°-60°	619.5	21.0
60°-70°	804.6	27.3
70°-80°	640.9	21.7
80°-90°	188.6	6.4
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°	2951.1	100.0
0°-180°	2951.1	100.0



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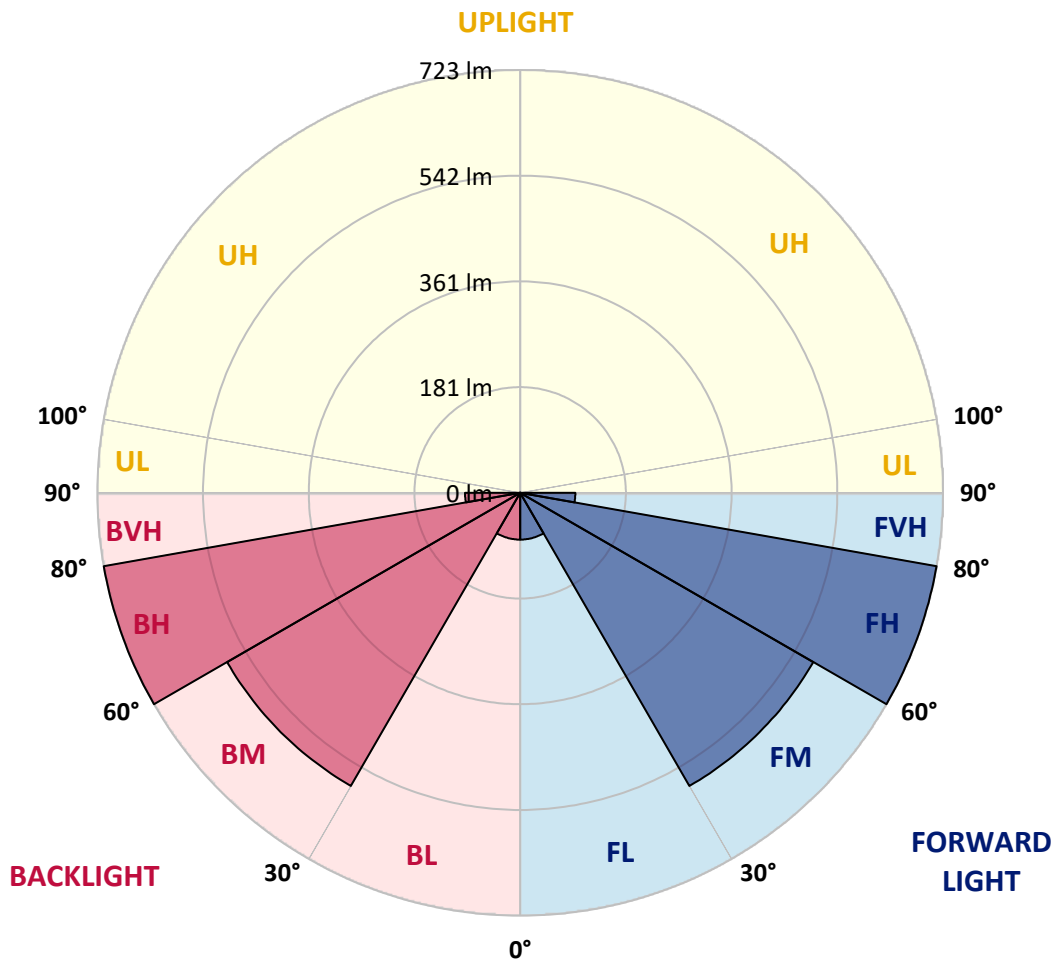
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.9	2.7			
FM	(30°-60°)	578.6	19.6			
FH	(60°-80°)	722.7	24.5			G1/1800
FVH	(80°-90°)	94.3	3.2			G1/100
BL	(0°-30°)	79.9	2.7	B0/110		
BM	(30°-60°)	578.6	19.6	B1/1000		
BH	(60°-80°)	722.7	24.5	B2/1000		G2/1000
BVH	(80°-90°)	94.3	3.2			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	138.6	138.6	138.6	138.6	138.6
2.5°	140.0	140.0	140.6	140.6	140.6
5°	142.6	142.6	143.2	143.2	142.6
7.5°	145.8	147.1	146.5	145.2	145.2
10°	151.0	151.7	150.4	149.7	149.1
12.5°	157.5	158.2	155.6	154.9	153.6
15°	166.6	166.0	163.4	160.8	160.8
17.5°	179.0	175.1	170.5	168.6	167.3
20°	193.3	188.1	182.3	177.7	177.1
22.5°	209.6	202.4	194.6	188.1	187.5
25°	225.2	219.4	209.6	201.1	198.5
27.5°	242.1	237.6	225.2	215.5	213.5
30°	261.7	257.8	243.4	234.3	233.7
32.5°	284.5	279.2	263.6	257.1	256.5
35°	311.8	302.0	288.4	283.8	291.6
37.5°	337.8	326.8	315.7	323.5	330.0
40°	360.6	353.5	348.2	364.5	373.6
42.5°	382.7	378.8	382.7	406.8	434.8
45°	406.2	407.5	421.8	487.5	537.7
47.5°	433.5	434.2	468.0	568.9	616.4
50°	463.5	462.8	522.7	630.1	706.3
52.5°	492.8	495.4	577.4	761.6	902.8
55°	518.8	533.1	651.6	893.7	987.5
57.5°	541.6	568.9	721.2	932.8	1004.4
60°	566.3	611.9	770.1	940.6	1003.7
62.5°	590.4	645.7	780.5	975.1	1068.2
65°	612.5	661.3	796.1	1024.6	1107.9
67.5°	630.8	669.2	796.1	981.6	1042.1
70°	645.7	659.4	749.9	904.1	961.4
72.5°	642.5	619.0	673.7	809.1	842.3
75°	611.9	548.1	593.6	680.9	714.1
77.5°	535.1	458.9	483.6	548.7	570.2
80°	423.8	358.0	372.3	414.0	420.5
82.5°	298.8	257.1	262.3	294.2	298.8
85°	175.8	158.2	153.0	181.6	190.7
87.5°	52.1	45.6	44.9	54.7	60.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)