

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: P197989

Luminaire Tested: **TT-C1-LED-E1-RW-PM-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197989  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34691)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C1-LED-E1-RW-PM-8030  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
RECTANGULAR DISTRIBUTION  
Light Source: (168) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2725.8 lumens  
Efficiency: N/A  
Efficacy: 97.4 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): 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

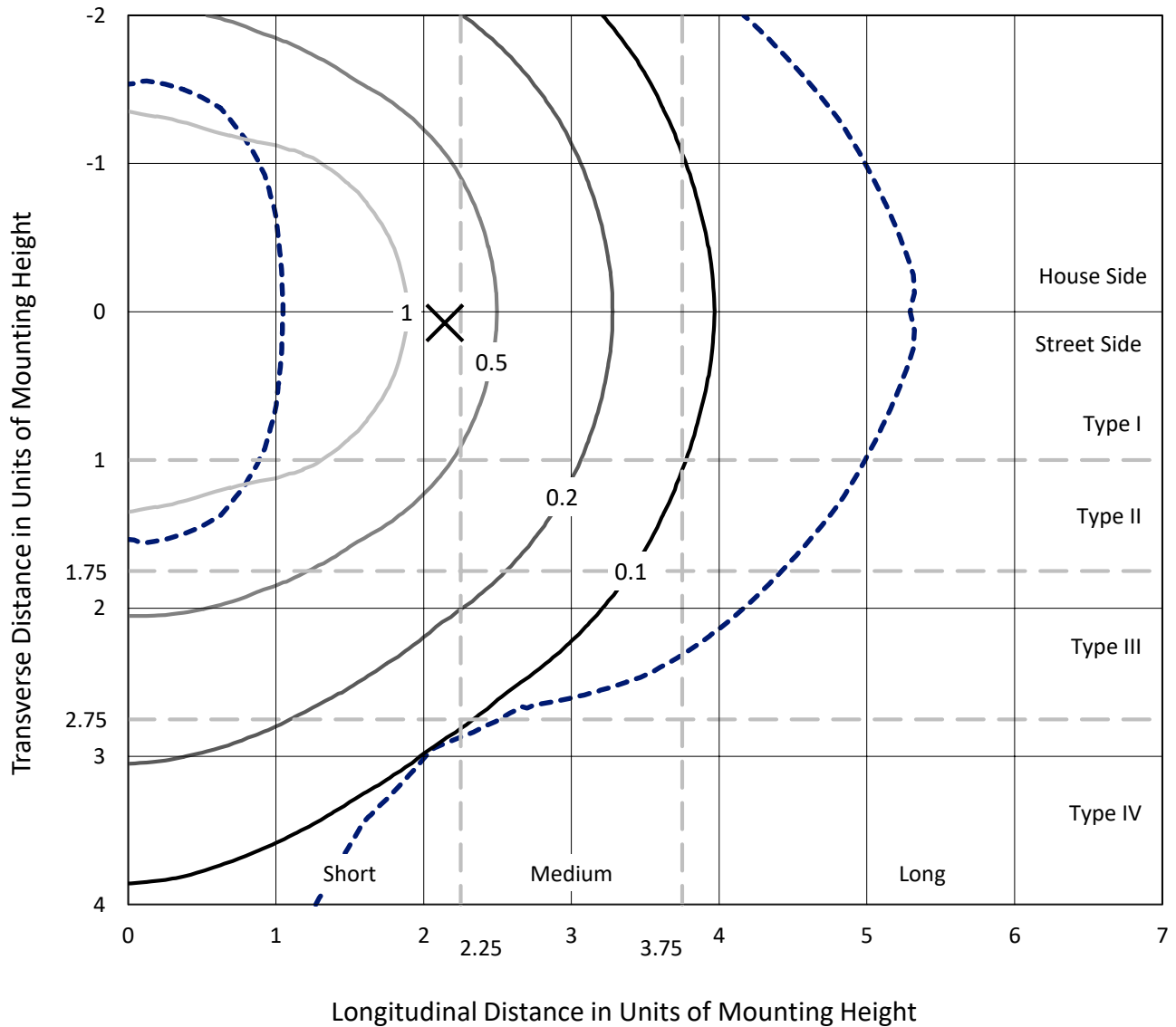


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### Iso-Footcandle Lines of Horizontal Illumination

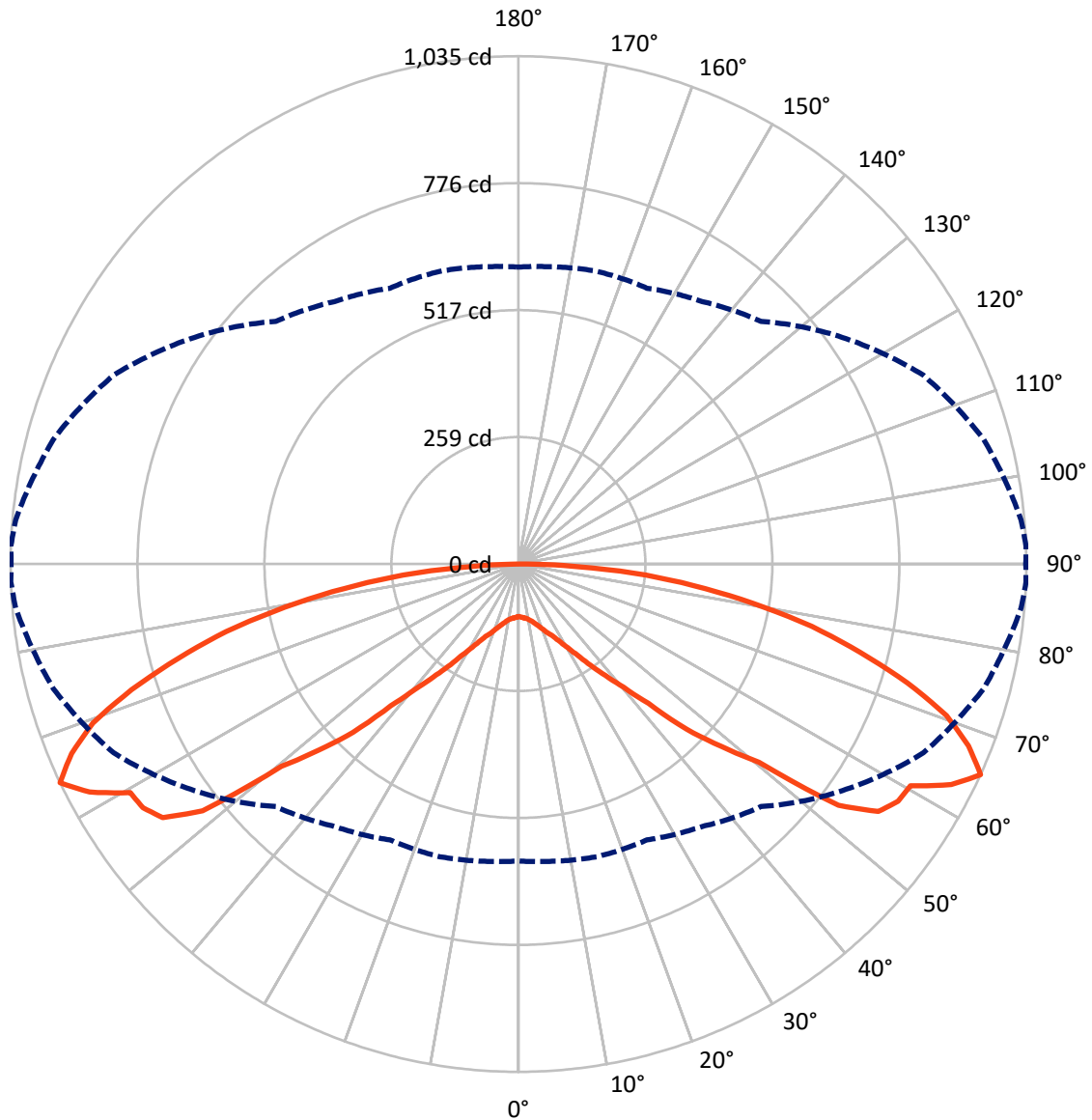
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.8 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 88-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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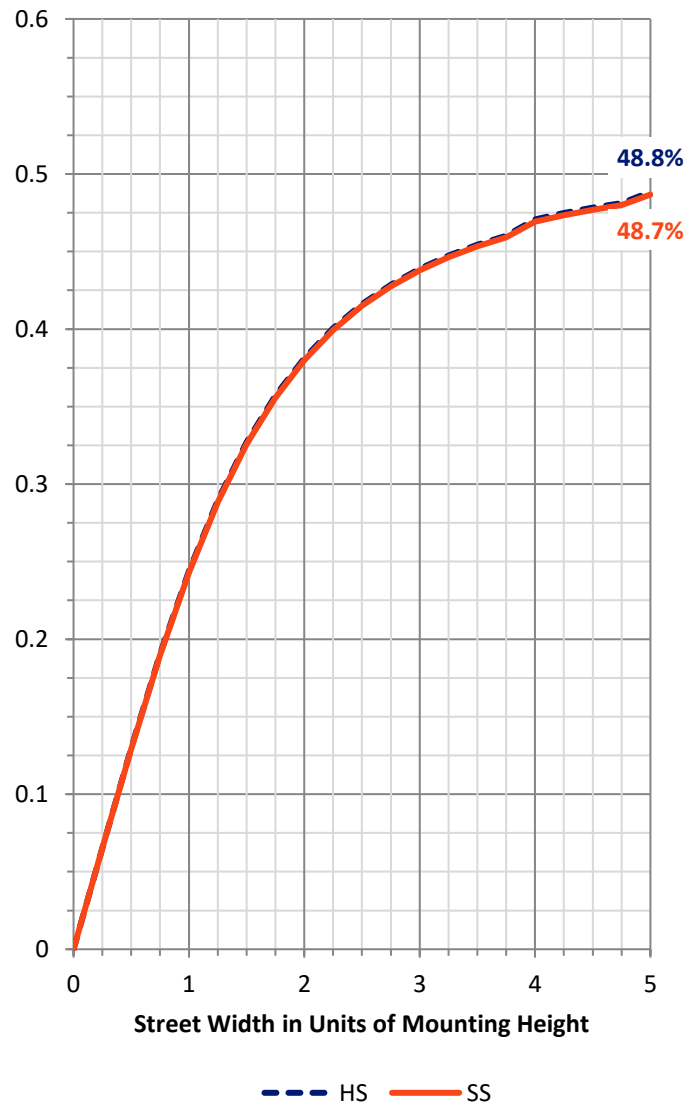
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1362.9	0.0	1362.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1362.9	0.0	1362.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2725.8	0.0	2725.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.7	0.4
10°-20°	37.1	1.4
20°-30°	82.0	3.0
30°-40°	163.4	6.0
40°-50°	312.7	11.5
50°-60°	559.7	20.5
60°-70°	741.7	27.2
70°-80°	618.9	22.7
80°-90°	199.7	7.3
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°	2725.8	100.0
0°-180°	2725.8	100.0



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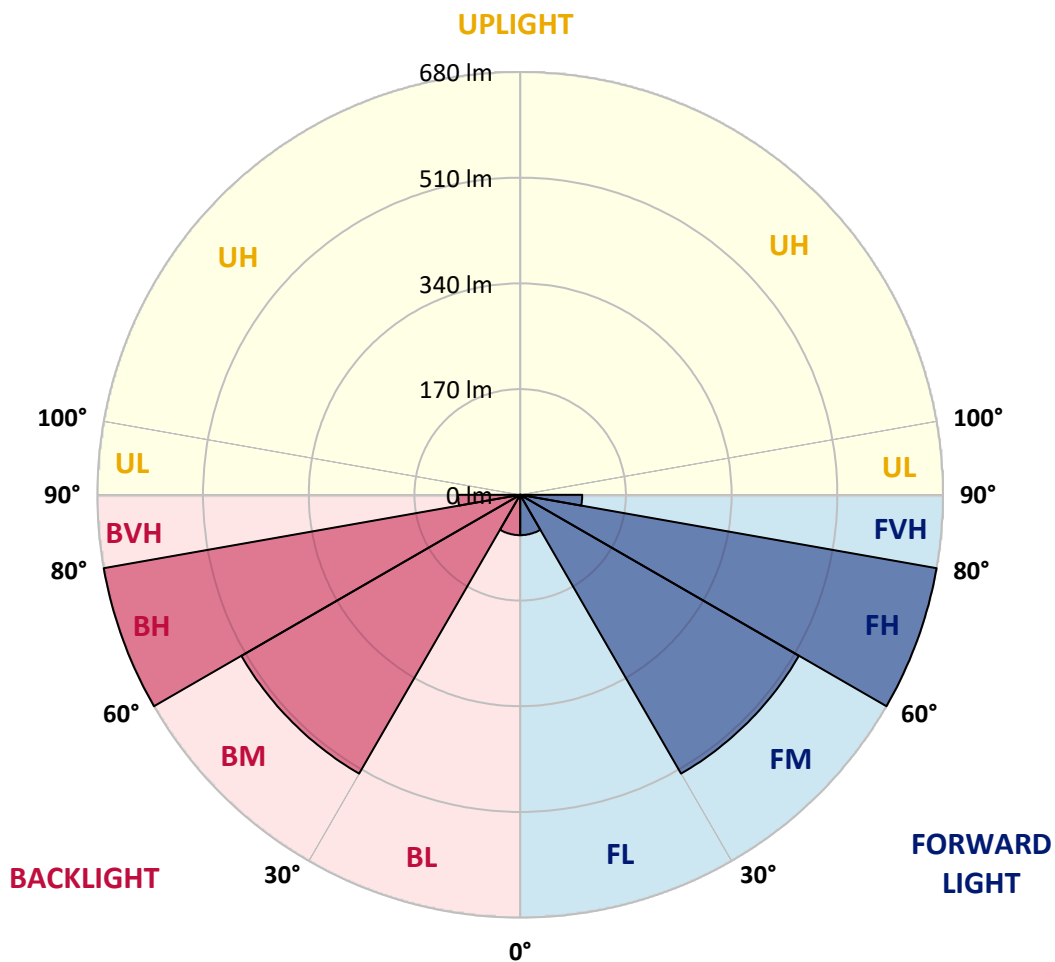
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	64.9	2.4			
FM	(30°-60°)	517.9	19.0			
FH	(60°-80°)	680.3	25.0			G1/1800
FVH	(80°-90°)	99.8	3.7			G1/100
BL	(0°-30°)	64.9	2.4	B0/110		
BM	(30°-60°)	517.9	19.0	B1/1000		
BH	(60°-80°)	680.3	25.0	B2/1000		G2/1000
BVH	(80°-90°)	99.8	3.7			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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7
2.5°	107.8	107.8	107.8	107.8	108.3	108.3	108.3	108.3	108.3	108.3	108.3
5°	109.4	109.4	110.0	110.0	110.5	110.5	110.5	110.5	110.0	110.0	110.0
7.5°	112.1	112.6	113.2	113.2	113.2	112.6	112.1	112.1	111.6	111.6	111.6
10°	116.9	116.9	117.5	117.5	116.9	116.4	115.9	115.3	115.3	115.3	114.8
12.5°	122.8	122.8	123.4	122.8	121.8	121.2	120.1	119.6	119.6	119.1	119.1
15°	130.9	131.9	131.9	130.3	128.7	127.1	126.6	125.5	125.5	125.5	125.5
17.5°	143.2	142.7	140.5	138.9	137.8	135.2	134.1	133.6	132.5	132.5	132.5
20°	157.2	156.1	153.4	151.3	149.1	145.9	143.7	142.7	142.1	141.6	141.6
22.5°	172.7	171.1	167.3	165.7	161.4	158.2	155.5	153.4	151.8	151.3	152.3
25°	188.8	188.8	185.6	181.3	177.0	172.2	168.4	165.7	163.6	163.1	162.5
27.5°	206.0	207.0	202.7	198.5	193.6	187.2	183.4	179.7	179.1	178.6	178.1
30°	224.2	226.3	222.0	217.8	211.3	204.9	200.1	198.5	196.8	197.9	197.9
32.5°	246.7	247.8	243.0	239.7	231.2	224.7	220.4	219.4	219.9	219.4	221.0
35°	273.0	271.4	267.6	261.2	253.7	247.8	244.6	246.7	252.6	254.8	253.7
37.5°	302.0	296.1	293.9	285.9	278.9	274.1	275.1	280.5	285.3	289.1	288.0
40°	323.4	324.5	318.6	311.1	304.6	303.6	309.5	316.4	325.6	328.8	329.9
42.5°	345.4	351.8	344.9	337.4	334.1	336.3	344.9	358.8	379.2	389.9	388.3
45°	370.6	377.6	370.1	364.2	363.6	371.7	390.5	426.9	457.0	478.4	480.6
47.5°	396.9	402.3	395.3	391.5	396.9	412.5	444.6	493.4	525.6	550.8	555.1
50°	430.2	428.0	422.6	422.1	433.9	462.3	505.8	555.1	613.1	629.7	635.0
52.5°	462.9	454.8	453.8	456.4	477.4	509.5	567.5	664.5	749.8	809.9	816.3
55°	493.4	484.3	486.5	493.4	522.9	571.8	652.2	770.7	845.3	887.7	889.8
57.5°	521.3	516.0	520.8	530.5	574.4	637.2	722.5	820.1	876.4	906.4	911.8
60°	549.8	548.7	554.6	572.3	619.5	675.3	746.6	833.0	889.3	912.3	917.7
62.5°	576.6	580.3	587.8	605.0	641.5	684.9	754.1	859.8	944.0	980.5	989.6
65°	605.0	608.2	617.3	620.0	652.7	698.9	805.1	910.2	981.0	1028.2	1034.6
67.5°	630.7	635.0	631.8	629.7	658.1	698.9	794.9	887.1	946.1	982.1	989.0
70°	655.4	650.6	637.7	621.1	629.1	657.0	745.0	824.9	884.4	918.2	925.2
72.5°	661.9	655.4	621.1	583.0	571.2	592.1	673.1	743.9	792.7	824.4	828.7
75°	645.2	631.8	573.9	521.3	498.8	519.7	587.3	647.9	682.2	716.6	719.2
77.5°	578.7	570.1	505.8	442.0	416.7	432.3	488.6	531.5	571.2	604.5	610.9
80°	475.2	467.7	410.8	358.8	325.0	335.8	377.1	411.4	449.5	475.7	483.8
82.5°	349.7	348.6	307.9	259.1	235.5	234.4	265.5	299.3	328.2	353.5	358.8
85°	219.9	219.9	192.0	162.5	137.8	138.4	157.2	181.8	218.3	234.4	236.0
87.5°	74.6	70.8	66.0	53.6	42.9	38.6	41.3	47.2	71.9	89.0	92.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	90°
0°	106.7
2.5°	108.3
5°	110.0
7.5°	111.6
10°	114.8
12.5°	119.6
15°	125.0
17.5°	132.5
20°	141.6
22.5°	151.8
25°	162.5
27.5°	178.6
30°	197.4
32.5°	220.4
35°	254.2
37.5°	289.1
40°	332.5
42.5°	392.6
45°	475.2
47.5°	555.1
50°	629.1
52.5°	802.9
55°	892.0
57.5°	911.3
60°	916.1
62.5°	984.7
65°	1033.6
67.5°	988.5
70°	923.6
72.5°	825.4
75°	723.5
77.5°	610.9
80°	477.4
82.5°	358.8
85°	232.2
87.5°	89.6
90°	0.0

(END OF REPORT)