

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: P197968

Luminaire Tested: **TT-C1-LED-E1-RW-PM-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34692)
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-MS/DIM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2756.6 lumens
Efficiency: N/A
Efficacy: 98.5 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

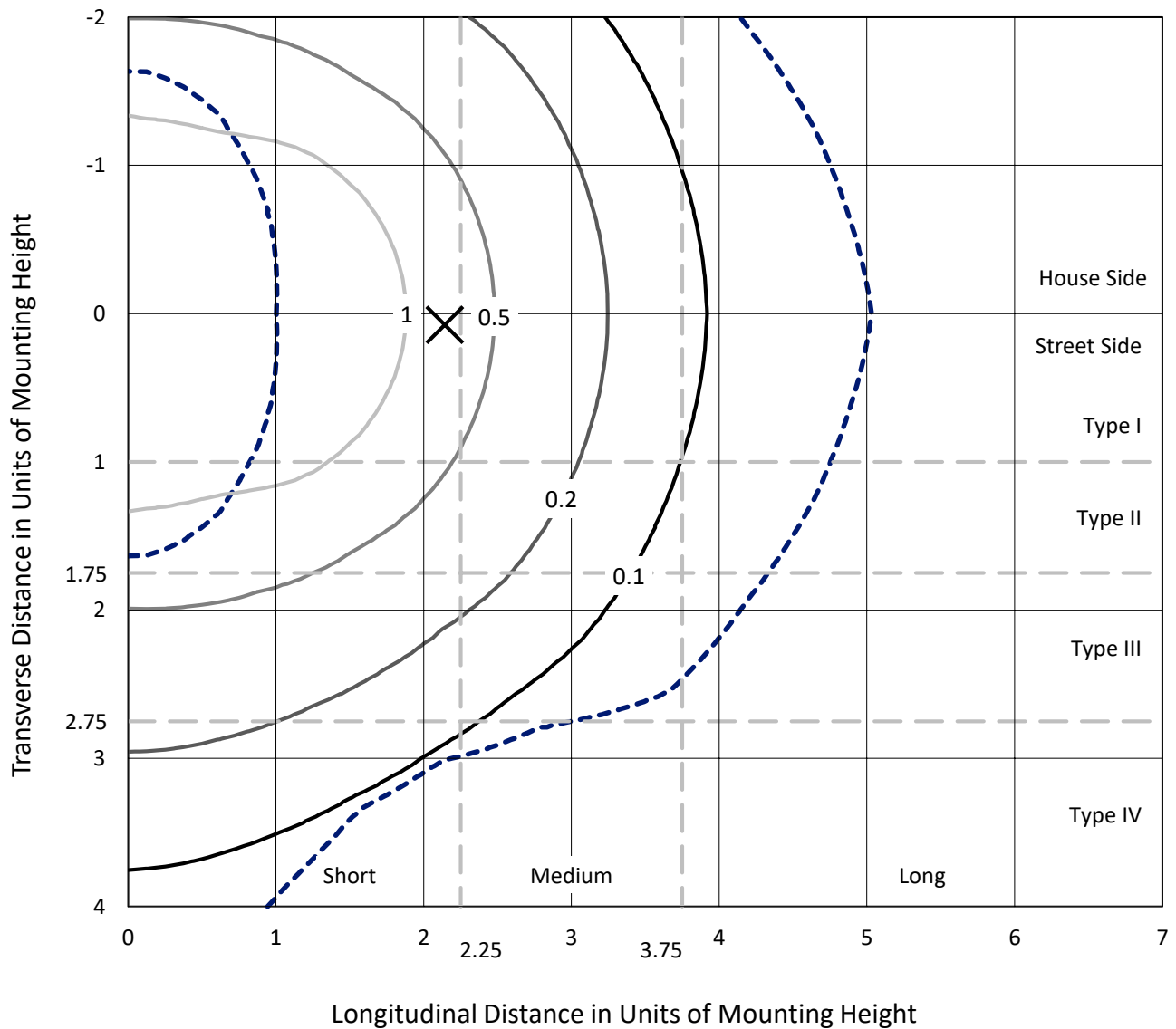


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

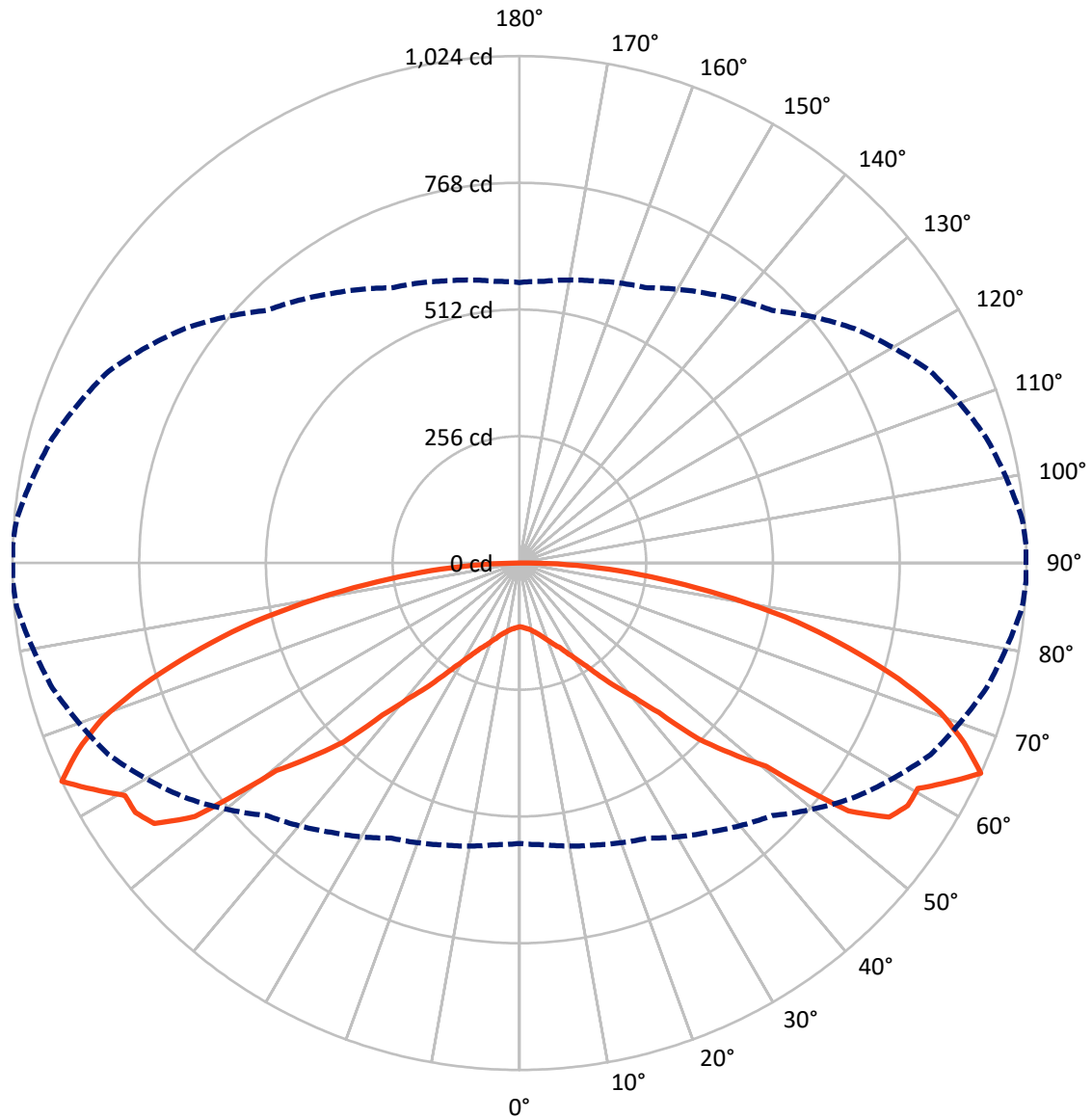


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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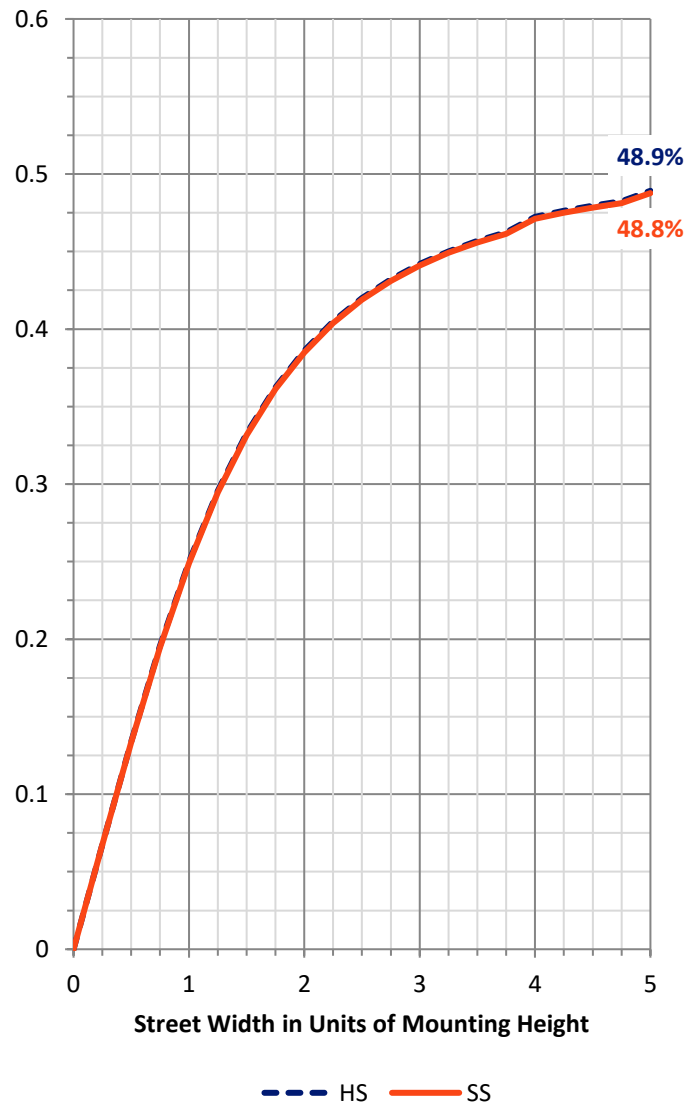
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1378.3	0.0	1378.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1378.3	0.0	1378.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2756.6	0.0	2756.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.5
10°-20°	43.9	1.6
20°-30°	93.3	3.4
30°-40°	178.3	6.5
40°-50°	327.7	11.9
50°-60°	567.6	20.6
60°-70°	738.5	26.8
70°-80°	605.2	22.0
80°-90°	189.2	6.9
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°	2756.6	100.0
0°-180°	2756.6	100.0



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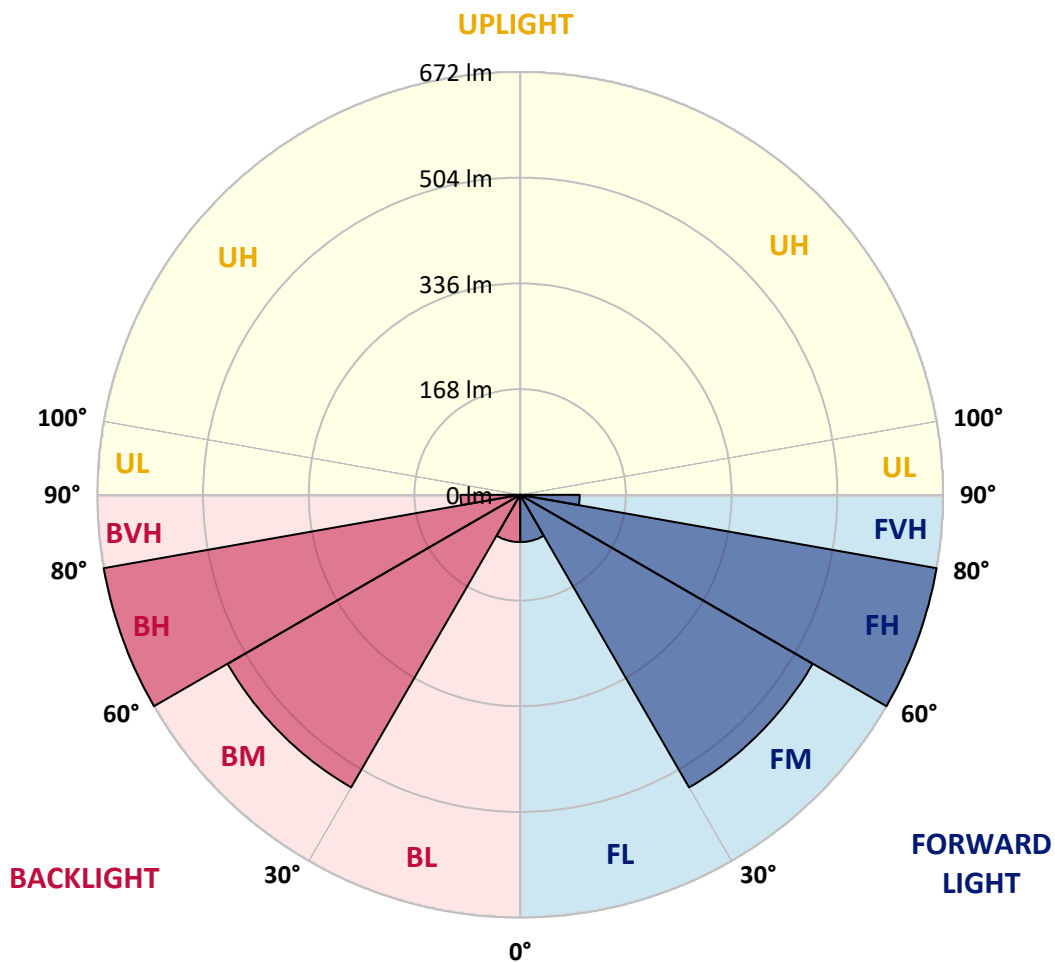
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	75.1	2.7			
FM	(30°-60°)	536.8	19.5			
FH	(60°-80°)	671.8	24.4			G1/1800
FVH	(80°-90°)	94.6	3.4			G1/100
BL	(0°-30°)	75.1	2.7	B0/110		
BM	(30°-60°)	536.8	19.5	B1/1000		
BH	(60°-80°)	671.8	24.4	B2/1000		G2/1000
BVH	(80°-90°)	94.6	3.4			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°	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8
2.5°	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
5°	132.3	132.3	132.3	132.9	132.9	132.9	132.9	132.9	132.3	132.3	132.3
7.5°	135.2	135.2	135.8	135.8	135.8	135.8	135.2	135.2	134.6	134.6	134.6
10°	139.8	139.8	140.4	140.4	139.8	139.3	139.3	139.3	138.7	138.7	138.7
12.5°	146.2	146.2	146.8	146.2	145.6	145.1	145.1	144.5	143.9	143.9	143.9
15°	154.9	154.9	154.3	153.2	152.0	152.0	150.3	150.3	150.3	150.3	149.7
17.5°	166.5	165.9	163.6	163.0	161.3	160.1	159.0	158.4	157.8	157.8	158.4
20°	179.3	178.1	175.2	175.2	172.3	170.6	169.4	168.3	168.3	167.7	167.1
22.5°	194.4	193.2	189.7	188.6	185.7	182.8	181.6	178.7	178.1	178.1	178.7
25°	209.5	210.0	207.1	204.8	200.8	197.9	193.8	192.1	190.3	190.3	189.1
27.5°	226.9	227.4	224.0	221.1	217.6	211.8	209.5	207.1	205.4	206.6	205.4
30°	245.4	246.6	243.7	240.2	235.0	229.2	226.3	225.7	224.0	225.1	224.5
32.5°	266.9	266.3	264.6	261.1	254.1	249.5	247.2	246.6	247.8	248.3	247.8
35°	291.8	289.5	287.8	282.6	276.2	272.7	270.4	272.7	277.9	281.4	280.2
37.5°	318.0	314.5	312.7	306.9	301.1	299.4	302.3	306.9	312.2	316.8	316.8
40°	339.4	340.6	336.5	331.3	326.7	328.4	333.6	341.7	352.2	356.8	356.3
42.5°	360.9	364.4	360.3	355.1	355.7	360.9	368.4	383.5	406.7	413.7	413.1
45°	380.0	387.6	384.1	380.6	385.8	394.5	414.9	448.5	480.4	504.2	505.9
47.5°	405.0	409.0	407.3	407.3	415.4	435.7	466.5	513.5	547.1	569.8	573.2
50°	433.4	429.4	429.9	435.2	455.5	485.6	527.4	571.5	631.9	642.3	645.2
52.5°	457.2	450.2	454.3	464.2	493.8	532.1	584.3	674.8	752.0	821.6	831.4
55°	481.6	473.5	481.6	497.2	540.8	594.1	670.7	775.7	857.0	900.5	905.7
57.5°	500.1	499.0	510.6	533.2	586.6	658.0	744.4	834.3	888.9	919.6	924.3
60°	523.4	524.5	537.9	568.0	631.9	700.3	764.7	847.1	901.1	919.1	924.3
62.5°	545.4	550.0	565.7	599.9	655.6	707.9	769.9	869.7	938.2	977.1	973.6
65°	566.3	570.9	589.5	612.7	663.8	721.2	825.1	915.6	975.9	1018.9	1023.5
67.5°	587.2	593.0	600.5	619.1	668.4	722.4	812.3	888.3	937.0	966.6	968.4
70°	605.2	604.6	602.8	608.1	638.8	680.6	764.1	824.5	870.3	894.7	900.5
72.5°	607.5	605.7	585.4	570.3	580.2	613.3	693.4	741.5	776.3	796.6	800.7
75°	588.3	578.5	538.4	505.9	504.2	537.3	604.6	639.4	660.3	686.4	688.1
77.5°	526.3	515.2	470.6	426.5	426.5	447.9	504.2	522.8	548.9	568.6	573.8
80°	424.1	423.0	376.6	341.7	329.0	347.0	392.8	399.8	419.5	436.3	441.5
82.5°	306.9	298.2	272.7	243.1	232.7	244.3	275.6	282.6	290.1	305.2	311.6
85°	185.7	186.2	168.8	152.0	138.7	142.7	167.1	177.0	186.8	196.7	200.2
87.5°	66.7	77.2	60.3	53.4	46.4	44.1	51.6	63.8	74.8	88.8	96.3
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°	128.8
2.5°	130.0
5°	131.7
7.5°	134.6
10°	138.7
12.5°	143.9
15°	149.7
17.5°	157.2
20°	167.1
22.5°	177.5
25°	189.7
27.5°	206.6
30°	224.0
32.5°	247.8
35°	283.1
37.5°	316.8
40°	358.0
42.5°	415.4
45°	508.3
47.5°	572.7
50°	650.4
52.5°	823.3
55°	907.5
57.5°	925.4
60°	924.3
62.5°	982.9
65°	1022.9
67.5°	969.5
70°	902.8
72.5°	799.0
75°	692.2
77.5°	576.7
80°	443.9
82.5°	309.3
85°	208.3
87.5°	85.9
90°	0.0

(END OF REPORT)