

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: P198135

Luminaire Tested: **TT-C1-LED-E1-RW-PM-SG-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34699)
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-SG-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2853.8 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

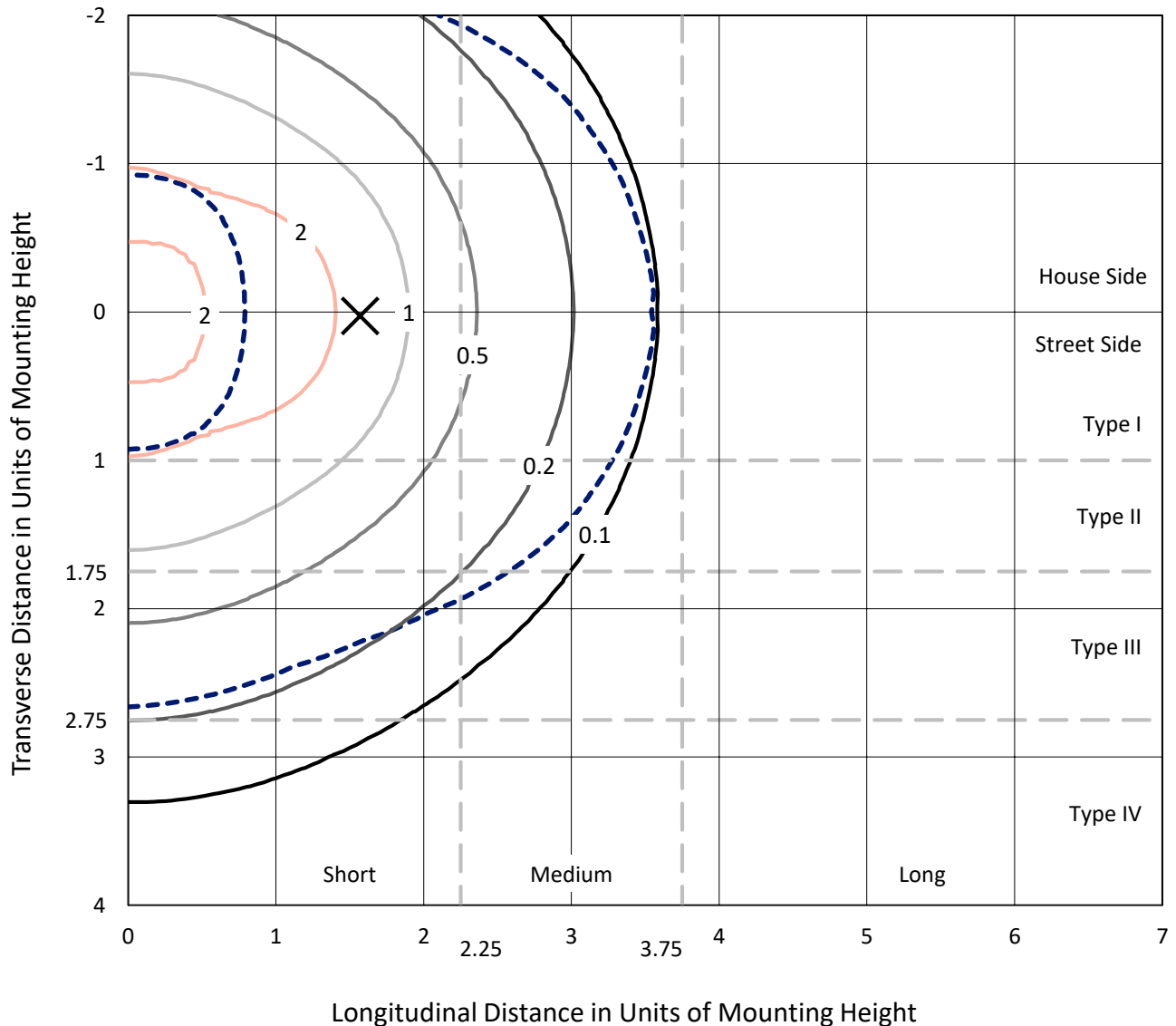
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

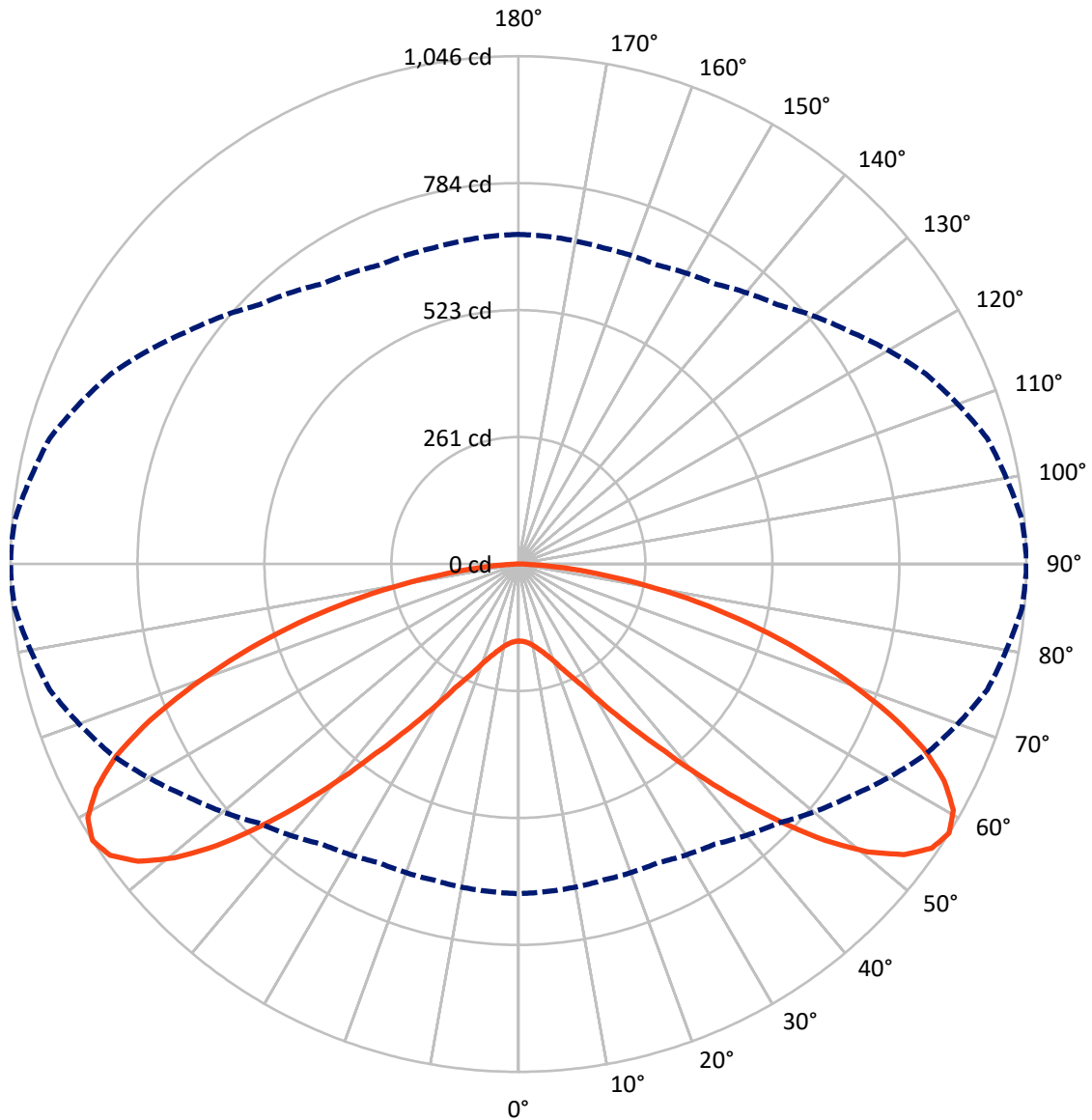
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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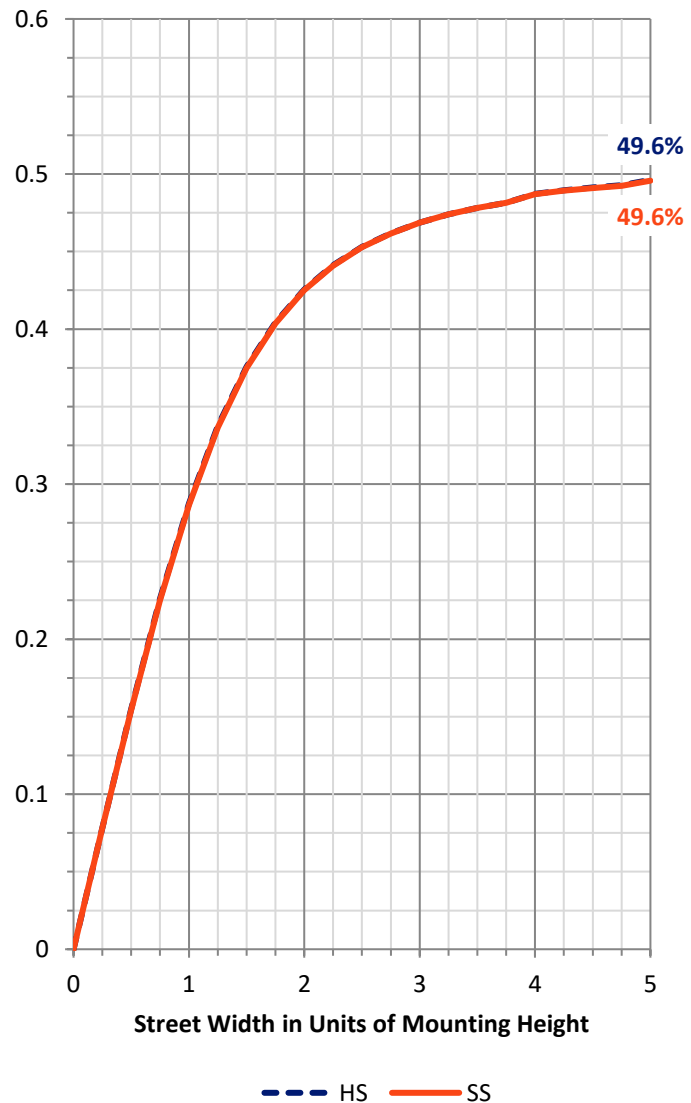
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1426.9	0.0	1426.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1426.9	0.0	1426.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2853.8	0.0	2853.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.6
10°-20°	55.0	1.9
20°-30°	123.1	4.3
30°-40°	254.7	8.9
40°-50°	483.6	16.9
50°-60°	707.6	24.8
60°-70°	705.4	24.7
70°-80°	419.9	14.7
80°-90°	88.8	3.1
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°	2853.8	100.0
0°-180°	2853.8	100.0



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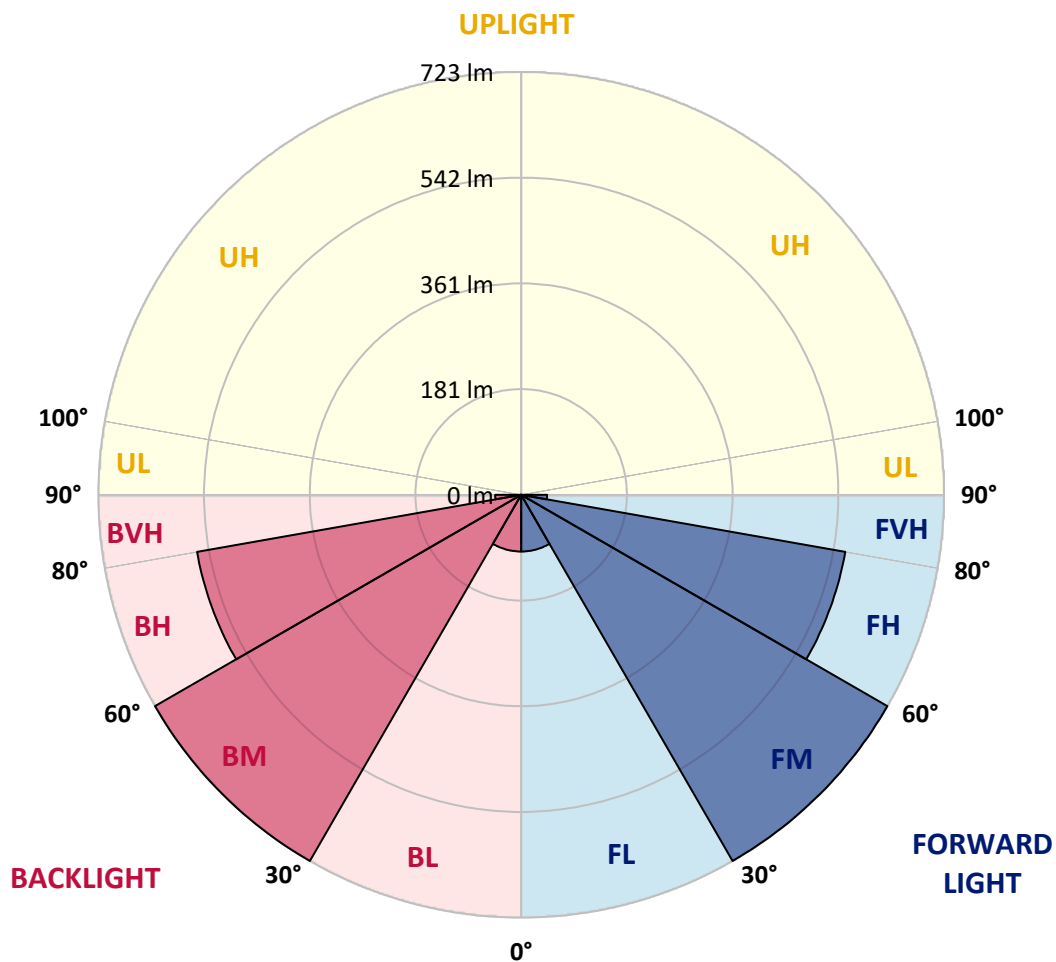
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.9	3.4			
FM (30°-60°)	722.9	25.3			
FH (60°-80°)	562.7	19.7			G0/660
FVH (80°-90°)	44.4	1.6			G1/100
BL (0°-30°)	96.9	3.4	B0/110		
BM (30°-60°)	722.9	25.3	B1/1000		
BH (60°-80°)	562.7	19.7	B2/1000		G2/1000
BVH (80°-90°)	44.4	1.6			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°	89°
0°	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5
2.5°	159.7	159.7	159.7	159.7	159.1	159.1	159.1	159.1	159.1	159.1	159.1
5°	162.1	162.1	161.5	162.1	161.5	161.5	161.5	161.5	161.5	161.5	161.5
7.5°	165.6	165.6	165.6	165.6	165.6	165.6	165.0	165.6	165.0	165.0	165.0
10°	172.2	171.6	172.2	171.6	171.6	171.0	171.0	171.0	171.0	171.0	171.0
12.5°	180.5	180.5	180.5	179.9	179.3	179.3	178.7	178.7	178.7	178.1	178.7
15°	191.8	192.4	190.6	190.0	190.0	188.8	188.2	188.8	188.2	187.6	188.2
17.5°	205.4	206.0	204.8	203.6	202.4	201.9	201.3	200.7	200.7	200.7	200.1
20°	223.2	223.2	222.0	219.7	217.9	216.7	216.7	216.1	216.1	216.7	214.9
22.5°	243.4	242.8	241.6	240.4	238.1	235.7	234.5	233.9	233.9	235.1	235.7
25°	268.3	268.9	265.4	263.0	260.6	256.5	255.9	256.5	257.1	257.1	258.2
27.5°	293.9	295.1	292.1	288.5	285.0	283.2	282.0	283.2	284.4	286.2	285.6
30°	324.1	323.6	323.0	317.6	313.5	311.7	312.9	316.4	319.4	323.6	324.1
32.5°	356.8	358.0	353.8	349.7	347.9	346.1	347.9	355.6	363.9	366.3	369.3
35°	395.4	393.0	390.6	387.7	384.7	384.7	393.6	402.5	415.6	424.5	424.5
37.5°	434.6	432.8	428.6	424.5	424.5	430.4	439.3	461.3	480.3	493.3	488.0
40°	474.9	472.6	471.4	466.6	467.2	481.5	500.5	527.8	555.1	573.5	569.9
42.5°	515.9	516.5	512.3	510.6	515.9	531.9	565.2	602.0	636.4	659.6	660.2
45°	558.1	558.1	555.1	553.9	564.0	588.3	629.9	680.4	726.7	753.4	756.3
47.5°	596.6	596.1	593.7	593.1	610.3	639.4	691.6	756.3	813.3	843.0	850.7
50°	629.9	630.5	626.9	629.9	645.3	683.9	746.8	825.2	890.5	927.9	931.5
52.5°	656.0	656.6	652.5	654.8	675.6	720.1	790.2	878.0	949.3	989.1	993.8
55°	673.8	671.4	668.5	672.0	695.8	745.1	821.6	913.1	987.3	1028.8	1032.4
57.5°	678.6	676.8	673.8	678.6	704.1	754.6	833.5	925.5	999.2	1040.7	1045.5
60°	671.4	671.4	667.9	673.2	698.8	748.0	825.2	914.3	984.3	1022.3	1028.8
62.5°	653.0	653.0	648.9	653.0	677.4	723.1	796.7	879.2	942.8	976.0	983.7
65°	618.6	618.0	615.6	616.8	637.0	680.4	747.4	822.2	877.5	907.1	917.2
67.5°	568.7	567.0	564.6	567.0	581.8	620.4	682.1	747.4	793.2	821.6	824.0
70°	505.2	503.4	500.5	499.3	514.7	545.6	595.5	653.0	691.0	711.8	714.2
72.5°	429.8	432.2	429.8	426.3	436.4	463.7	505.2	549.2	580.6	599.6	602.6
75°	355.6	356.2	350.3	349.1	356.8	374.0	407.9	441.7	469.0	485.0	489.8
77.5°	275.5	275.5	270.1	267.2	271.3	286.2	309.3	336.6	359.2	369.3	377.6
80°	198.3	198.3	193.5	186.4	190.6	198.3	219.1	233.9	251.7	263.0	264.2
82.5°	124.1	122.3	123.5	118.1	119.3	121.7	134.8	144.9	155.5	161.5	162.1
85°	64.7	62.3	61.1	58.2	56.4	60.6	66.5	73.6	76.0	81.3	79.6
87.5°	20.2	19.0	18.4	18.4	16.6	17.8	18.4	19.6	22.6	22.6	23.7
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°	158.5
2.5°	159.1
5°	161.5
7.5°	165.0
10°	171.0
12.5°	178.1
15°	188.2
17.5°	200.7
20°	214.9
22.5°	233.9
25°	257.1
27.5°	284.4
30°	323.6
32.5°	367.5
35°	420.9
37.5°	493.9
40°	569.3
42.5°	664.3
45°	756.3
47.5°	850.7
50°	929.7
52.5°	992.0
55°	1034.2
57.5°	1045.5
60°	1027.1
62.5°	981.9
65°	916.0
67.5°	824.0
70°	717.8
72.5°	600.8
75°	484.4
77.5°	375.2
80°	264.2
82.5°	166.8
85°	79.6
87.5°	25.5
90°	0.0

(END OF REPORT)