

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: P197975

Luminaire Tested: **TT-C3-LED-E1-RW-PM-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197975
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-C3-LED-E1-RW-PM-MS/DIM-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4501 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 45
Input Voltage (V): NR
Input Current (A_{in}): 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

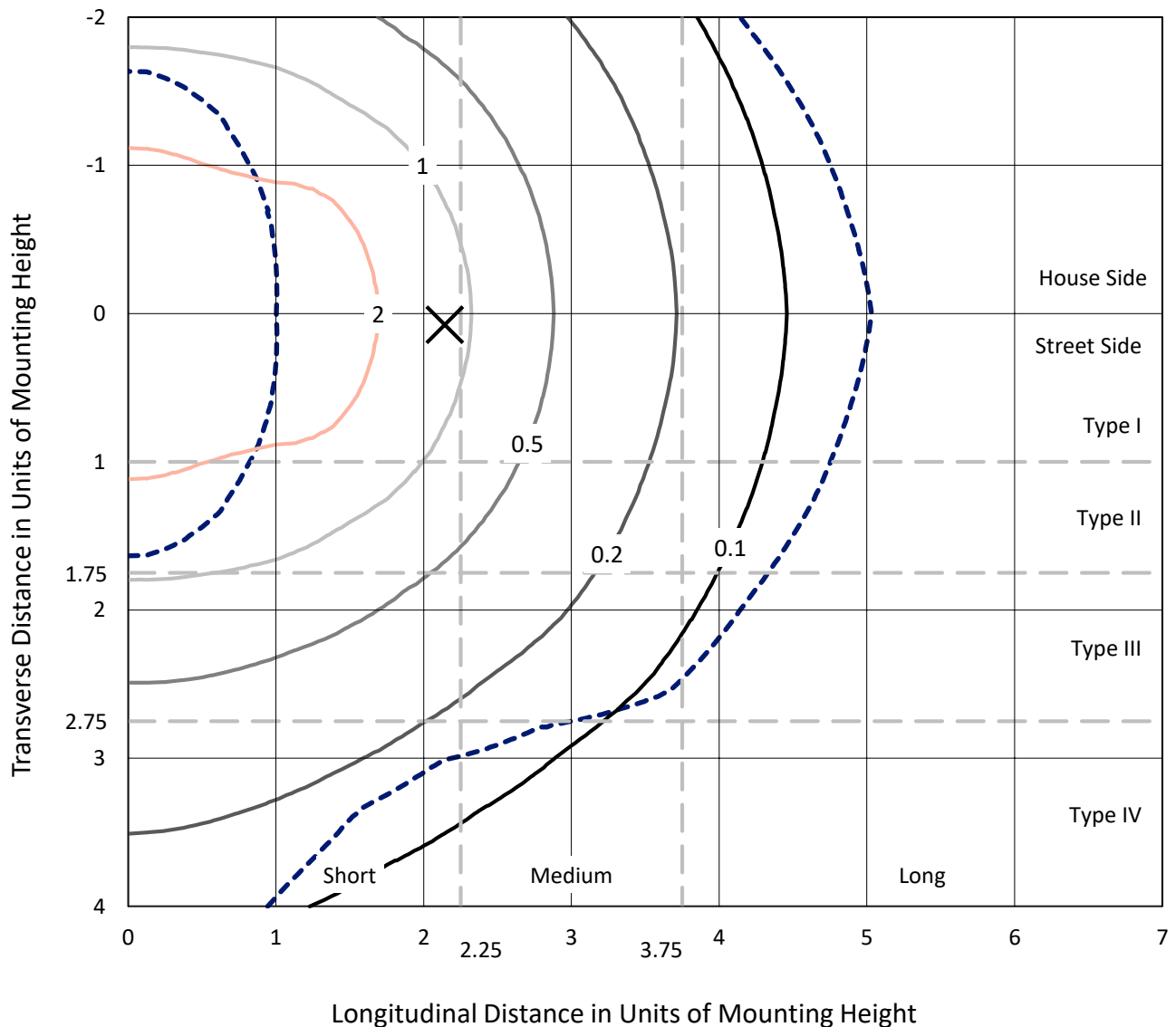


REPORT NUMBER: P197975

CATALOG NUMBER: TT-C3-LED-E1-RW-PM-MS/DIM-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

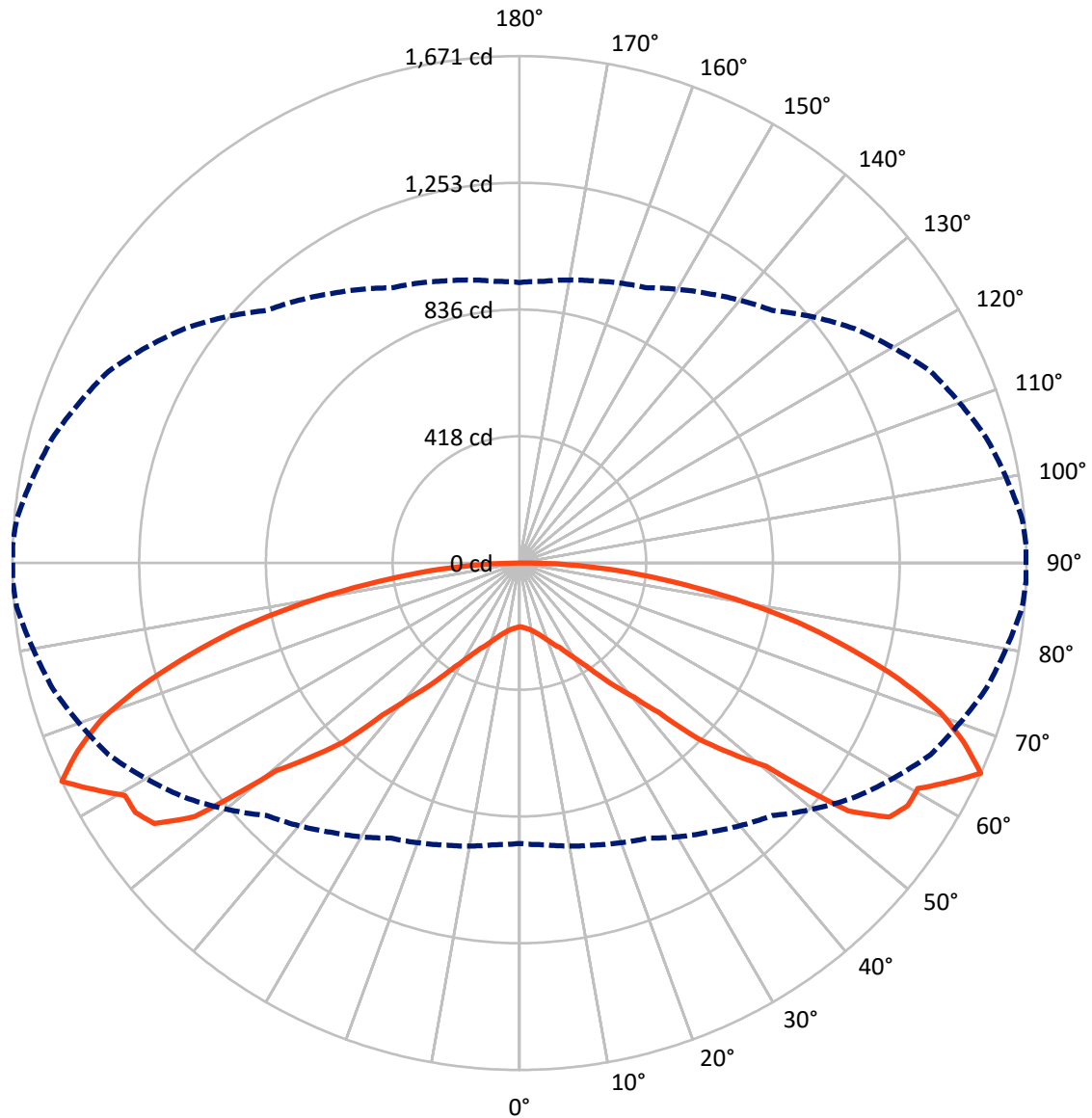


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P197975

CATALOG NUMBER: TT-C3-LED-E1-RW-PM-MS/DIM-7050

Luminous Intensity Polar Plot



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

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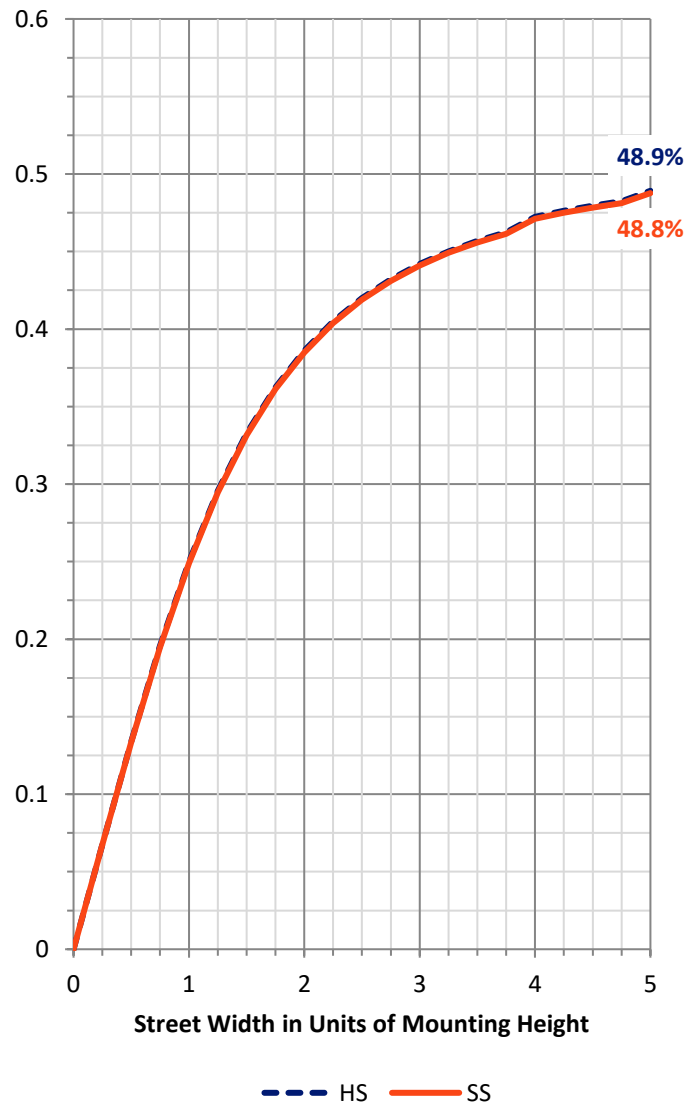
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2250.5	0.0	2250.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2250.5	0.0	2250.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4501.0	0.0	4501.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.5
10°-20°	71.7	1.6
20°-30°	152.4	3.4
30°-40°	291.1	6.5
40°-50°	535.1	11.9
50°-60°	926.8	20.6
60°-70°	1205.8	26.8
70°-80°	988.2	22.0
80°-90°	308.9	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°	4501.0	100.0
0°-180°	4501.0	100.0



REPORT NUMBER: P197975

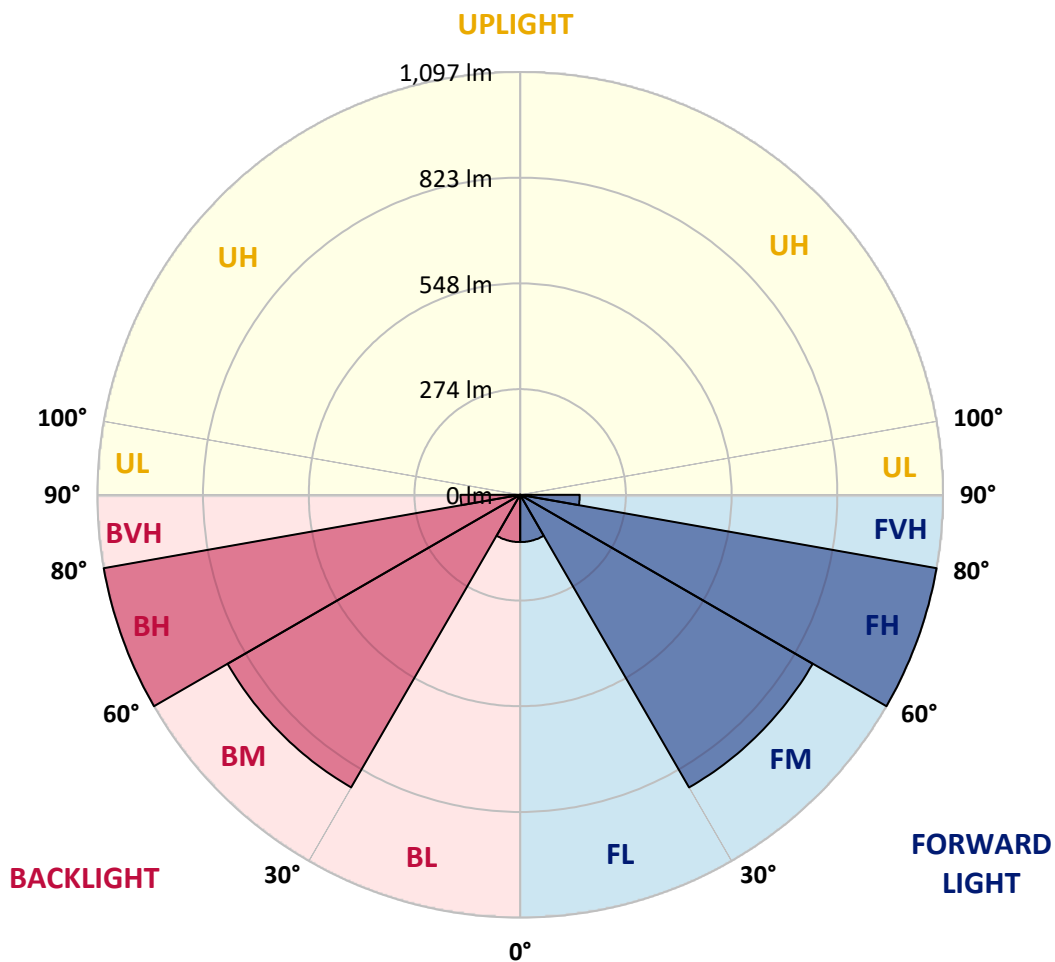
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.5	2.7			
FM	(30°-60°)	876.5	19.5			
FH	(60°-80°)	1097.0	24.4			G1/1800
FVH	(80°-90°)	154.5	3.4			G2/225
BL	(0°-30°)	122.5	2.7	B1/500		
BM	(30°-60°)	876.5	19.5	B1/1000		
BH	(60°-80°)	1097.0	24.4	B3/2500		G3/2500
BVH	(80°-90°)	154.5	3.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





REPORT NUMBER: P197975

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3
2.5°	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2
5°	216.0	216.0	216.0	216.9	216.9	216.9	216.9	216.9	216.0	216.0	216.0
7.5°	220.7	220.7	221.7	221.7	221.7	221.7	220.7	220.7	219.8	219.8	219.8
10°	228.3	228.3	229.3	229.3	228.3	227.4	227.4	227.4	226.4	226.4	226.4
12.5°	238.7	238.7	239.7	238.7	237.8	236.8	236.8	235.9	234.9	234.9	234.9
15°	252.9	252.9	252.0	250.1	248.2	248.2	245.4	245.4	245.4	245.4	244.4
17.5°	271.9	270.9	267.2	266.2	263.4	261.5	259.6	258.6	257.7	257.7	258.6
20°	292.7	290.8	286.1	286.1	281.4	278.5	276.6	274.7	274.7	273.8	272.8
22.5°	317.4	315.5	309.8	307.9	303.2	298.4	296.5	291.8	290.8	290.8	291.8
25°	342.0	342.9	338.2	334.4	327.8	323.1	316.4	313.6	310.7	310.7	308.8
27.5°	370.4	371.4	365.7	360.9	355.3	345.8	342.0	338.2	335.4	337.3	335.4
30°	400.7	402.6	397.9	392.2	383.7	374.2	369.5	368.5	365.7	367.6	366.6
32.5°	435.8	434.8	432.0	426.3	414.9	407.4	403.6	402.6	404.5	405.5	404.5
35°	476.5	472.7	469.9	461.4	450.9	445.3	441.5	445.3	453.8	459.5	457.6
37.5°	519.2	513.5	510.6	501.2	491.7	488.8	493.6	501.2	509.7	517.3	517.3
40°	554.2	556.1	549.5	540.9	533.4	536.2	544.7	558.0	575.0	582.6	581.7
42.5°	589.3	594.9	588.3	579.8	580.7	589.3	601.6	626.2	664.1	675.5	674.5
45°	620.5	632.8	627.2	621.5	630.0	644.2	677.4	732.3	784.4	823.3	826.1
47.5°	661.3	667.9	665.0	665.0	678.3	711.5	761.7	838.4	893.4	930.3	936.0
50°	707.7	701.0	702.0	710.5	743.7	792.9	861.2	933.2	1031.7	1048.7	1053.5
52.5°	746.5	735.2	741.8	757.9	806.2	868.7	954.0	1101.8	1227.8	1341.5	1357.6
55°	786.3	773.0	786.3	811.9	882.9	970.1	1095.1	1266.6	1399.3	1470.3	1478.8
57.5°	816.6	814.7	833.7	870.6	957.8	1074.3	1215.5	1362.3	1451.4	1501.6	1509.1
60°	854.5	856.4	878.2	927.5	1031.7	1143.5	1248.6	1383.1	1471.3	1500.6	1509.1
62.5°	890.5	898.1	923.7	979.6	1070.5	1155.8	1257.1	1420.1	1531.9	1595.4	1589.7
65°	924.6	932.2	962.5	1000.4	1083.8	1177.6	1347.1	1494.9	1593.5	1663.6	1671.1
67.5°	958.7	968.2	980.5	1010.8	1091.4	1179.5	1326.3	1450.4	1530.0	1578.3	1581.1
70°	988.1	987.2	984.3	992.8	1043.0	1111.3	1247.7	1346.2	1421.0	1460.8	1470.3
72.5°	991.9	989.0	955.9	931.3	947.4	1001.4	1132.1	1210.7	1267.6	1300.7	1307.4
75°	960.6	944.5	879.2	826.1	823.3	877.3	987.2	1044.0	1078.1	1120.7	1123.6
77.5°	859.3	841.3	768.3	696.3	696.3	731.4	823.3	853.6	896.2	928.4	936.9
80°	692.5	690.6	614.8	558.0	537.2	566.5	641.4	652.7	684.9	712.4	720.9
82.5°	501.2	486.9	445.3	396.9	379.9	398.8	450.0	461.4	473.7	498.3	508.7
85°	303.2	304.1	275.7	248.2	226.4	233.1	272.8	288.9	305.1	321.2	326.8
87.5°	108.9	126.0	98.5	87.2	75.8	72.0	84.3	104.2	122.2	144.9	157.3
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°	210.3
2.5°	212.2
5°	215.1
7.5°	219.8
10°	226.4
12.5°	234.9
15°	244.4
17.5°	256.7
20°	272.8
22.5°	289.9
25°	309.8
27.5°	337.3
30°	365.7
32.5°	404.5
35°	462.3
37.5°	517.3
40°	584.5
42.5°	678.3
45°	829.9
47.5°	935.0
50°	1062.0
52.5°	1344.3
55°	1481.7
57.5°	1511.0
60°	1509.1
62.5°	1604.8
65°	1670.2
67.5°	1583.0
70°	1474.1
72.5°	1304.5
75°	1130.2
77.5°	941.7
80°	724.7
82.5°	504.9
85°	340.1
87.5°	140.2
90°	0.0

(END OF REPORT)