

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: P197995

Luminaire Tested: **TT-C2-LED-E1-RW-PM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197995
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-C2-LED-E1-RW-PM-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3661.7 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

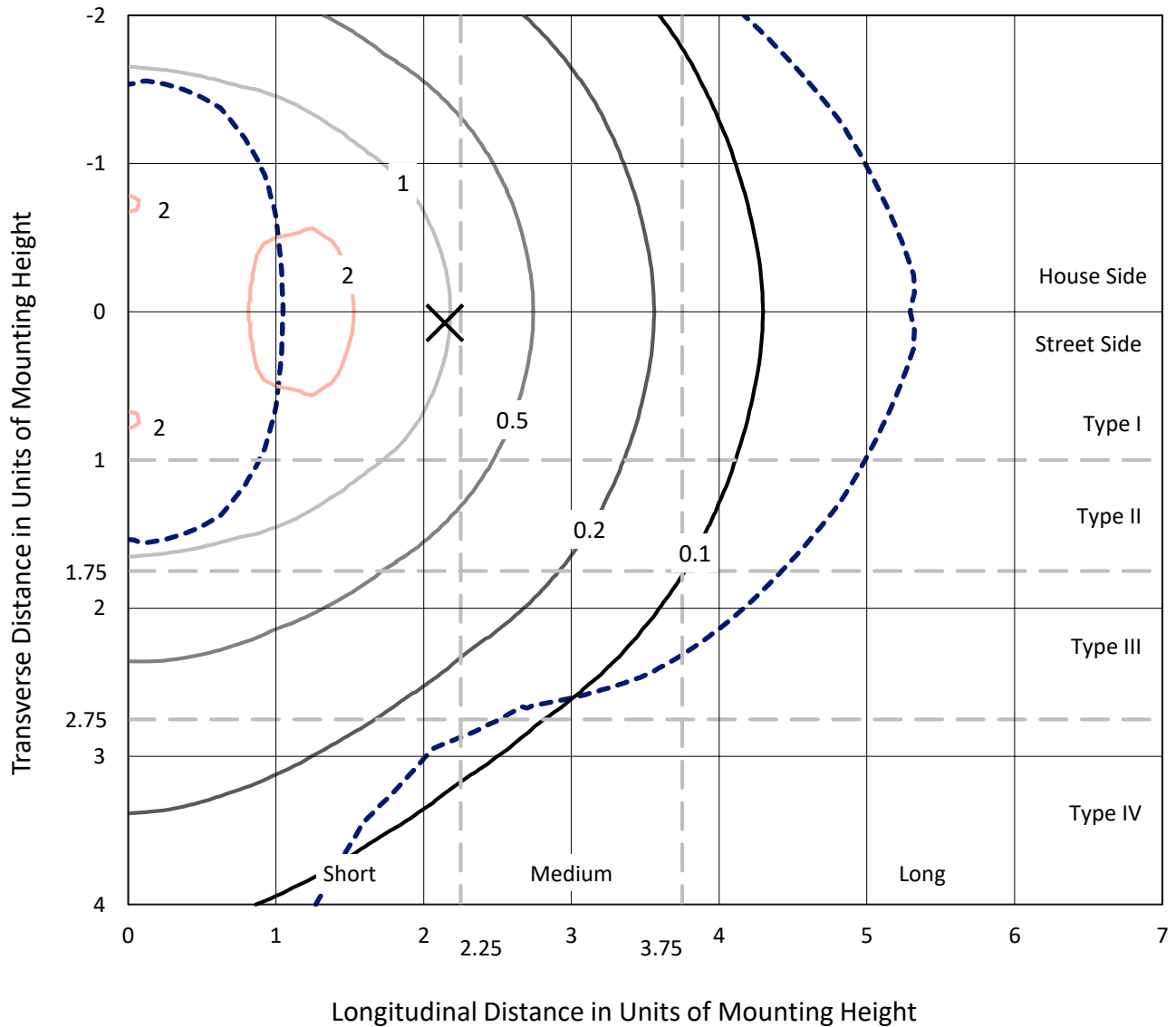
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P197995
 CATALOG NUMBER: TT-C2-LED-E1-RW-PM-7050

Iso-Footcandle Lines of Horizontal Illumination

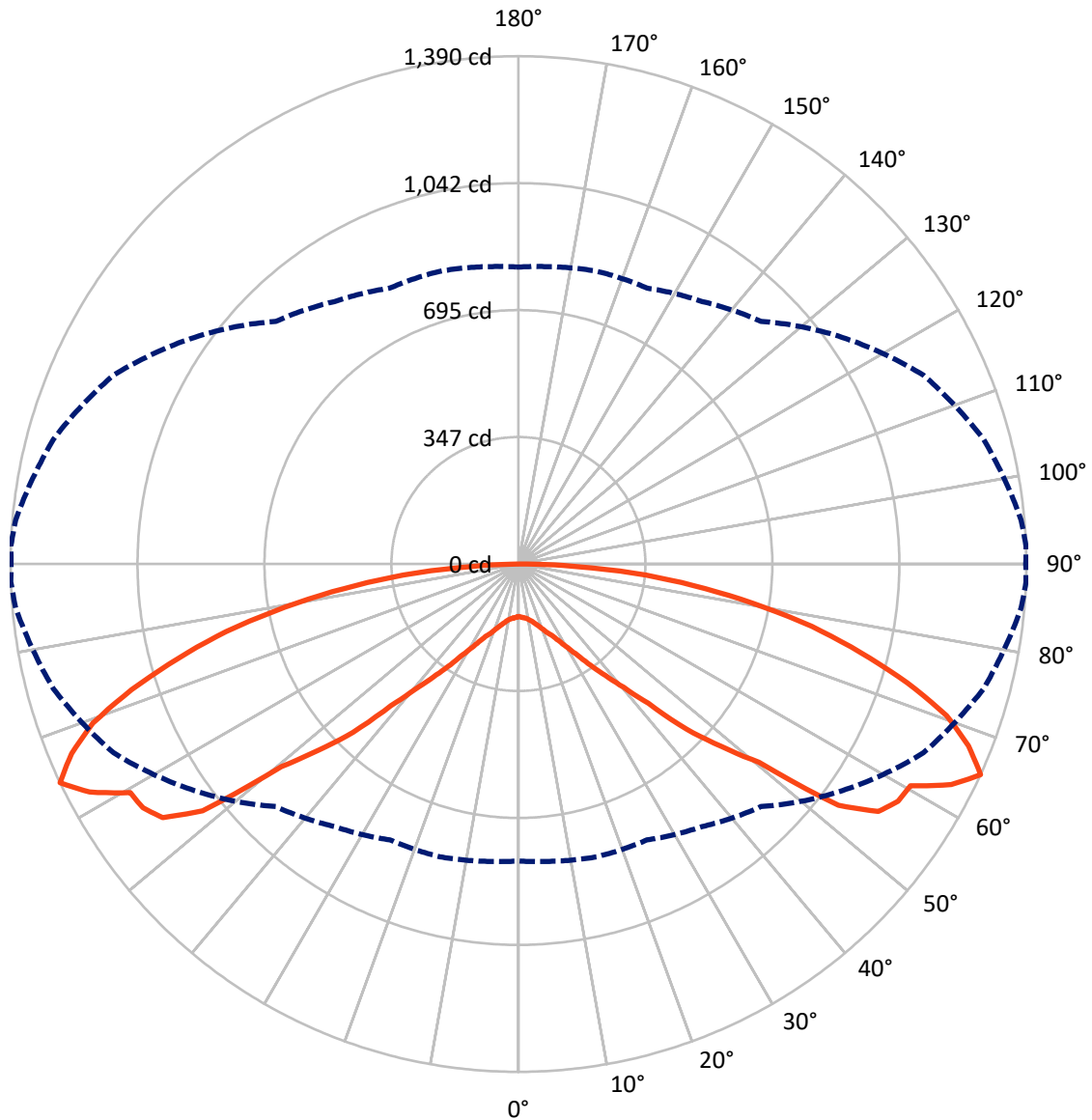
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P197995
CATALOG NUMBER: TT-C2-LED-E1-RW-PM-7050

Luminous Intensity Polar Plot



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

REPORT NUMBER: P197995

CATALOG NUMBER: TT-C2-LED-E1-RW-PM-7050

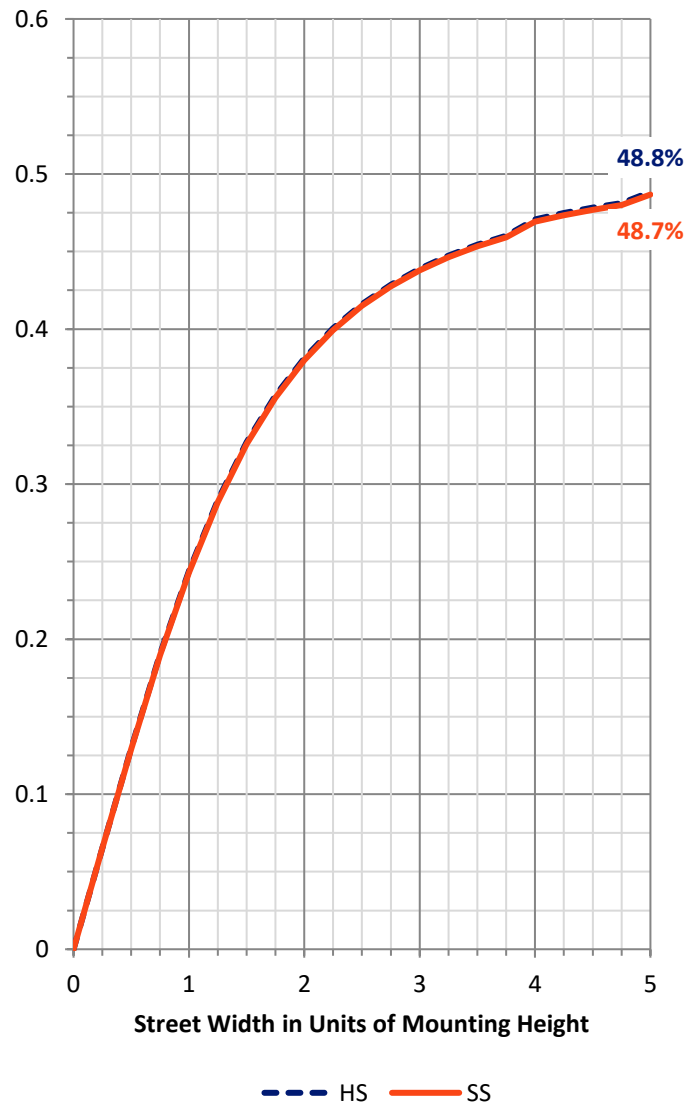
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1830.9	0.0	1830.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1830.9	0.0	1830.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3661.7	0.0	3661.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.4
10°-20°	49.9	1.4
20°-30°	110.1	3.0
30°-40°	219.4	6.0
40°-50°	420.1	11.5
50°-60°	751.9	20.5
60°-70°	996.3	27.2
70°-80°	831.4	22.7
80°-90°	268.3	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°	3661.7	100.0
0°-180°	3661.7	100.0



REPORT NUMBER: P197995

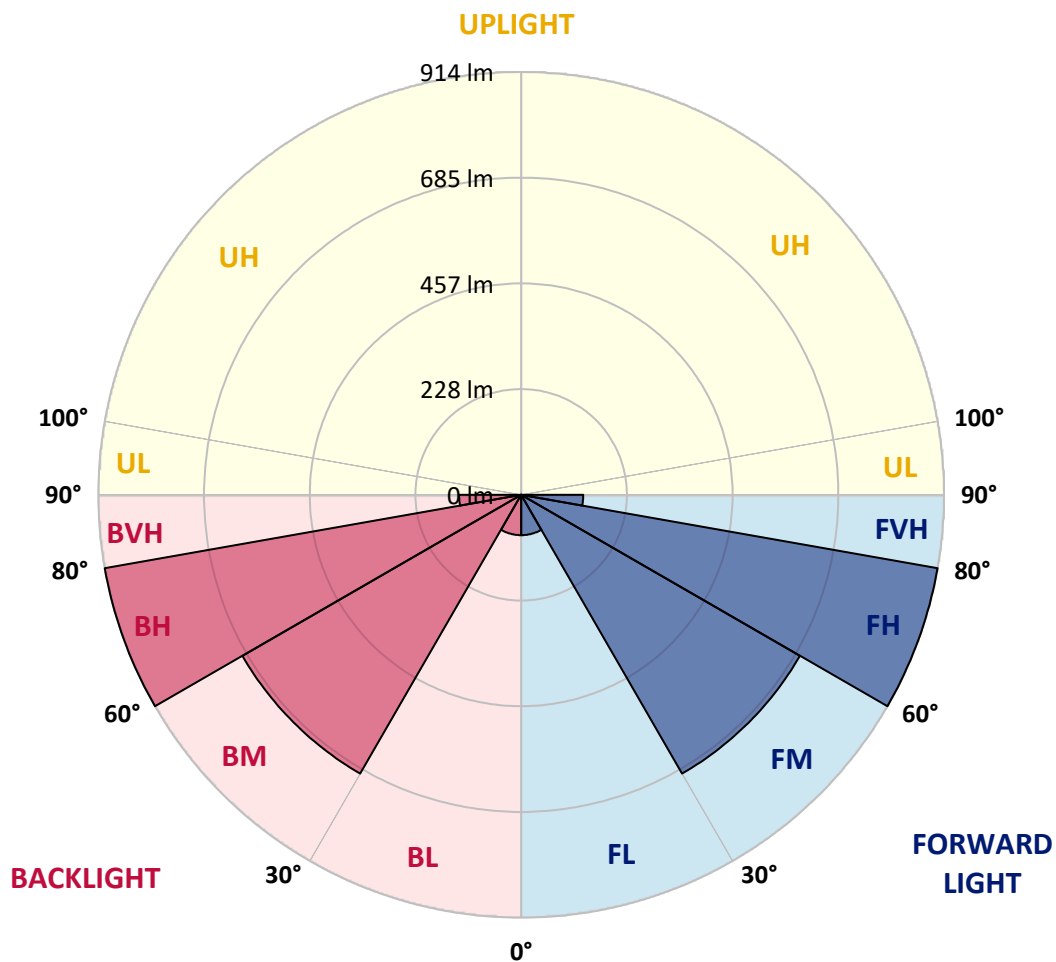
CATALOG NUMBER: TT-C2-LED-E1-RW-PM-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.2	2.4			
FM	(30°-60°)	695.7	19.0			
FH	(60°-80°)	913.9	25.0			G1/1800
FVH	(80°-90°)	134.1	3.7			G2/225
BL	(0°-30°)	87.2	2.4	B0/110		
BM	(30°-60°)	695.7	19.0	B1/1000		
BH	(60°-80°)	913.9	25.0	B2/1000		G2/1000
BVH	(80°-90°)	134.1	3.7			G2/225
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





REPORT NUMBER: P197995

CATALOG NUMBER: TT-C2-LED-E1-RW-PM-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4
2.5°	144.8	144.8	144.8	144.8	145.5	145.5	145.5	145.5	145.5	145.5	145.5
5°	147.0	147.0	147.7	147.7	148.4	148.4	148.4	148.4	147.7	147.7	147.7
7.5°	150.6	151.3	152.0	152.0	152.0	151.3	150.6	150.6	149.9	149.9	149.9
10°	157.1	157.1	157.8	157.8	157.1	156.3	155.6	154.9	154.9	154.9	154.2
12.5°	165.0	165.0	165.7	165.0	163.6	162.8	161.4	160.7	160.7	160.0	160.0
15°	175.8	177.2	177.2	175.1	172.9	170.8	170.0	168.6	168.6	168.6	168.6
17.5°	192.4	191.7	188.8	186.6	185.2	181.6	180.1	179.4	178.0	178.0	178.0
20°	211.1	209.7	206.1	203.2	200.3	196.0	193.1	191.7	190.9	190.2	190.2
22.5°	232.0	229.8	224.8	222.6	216.9	212.5	208.9	206.1	203.9	203.2	204.6
25°	253.6	253.6	249.3	243.5	237.8	231.3	226.2	222.6	219.8	219.0	218.3
27.5°	276.7	278.1	272.3	266.6	260.1	251.5	246.4	241.4	240.6	239.9	239.2
30°	301.2	304.1	298.3	292.5	283.9	275.2	268.7	266.6	264.4	265.9	265.9
32.5°	331.4	332.9	326.4	322.1	310.5	301.9	296.1	294.7	295.4	294.7	296.8
35°	366.7	364.6	359.5	350.9	340.8	332.9	328.5	331.4	339.4	342.2	340.8
37.5°	405.6	397.7	394.8	384.0	374.7	368.2	369.6	376.8	383.3	388.4	386.9
40°	434.5	435.9	428.0	417.9	409.2	407.8	415.7	425.1	437.3	441.7	443.1
42.5°	464.0	472.6	463.3	453.2	448.9	451.8	463.3	482.0	509.4	523.8	521.6
45°	497.9	507.2	497.1	489.2	488.5	499.3	524.5	573.5	613.9	642.7	645.6
47.5°	533.2	540.4	531.0	526.0	533.2	554.1	597.3	662.9	706.1	740.0	745.7
50°	577.8	575.0	567.8	567.0	582.9	621.1	679.4	745.7	823.5	845.9	853.1
52.5°	621.8	611.0	609.5	613.1	641.2	684.5	762.3	892.7	1007.3	1088.0	1096.6
55°	662.9	650.6	653.5	662.9	702.5	768.1	876.1	1035.4	1135.5	1192.4	1195.3
57.5°	700.3	693.1	699.6	712.6	771.7	856.0	970.5	1101.6	1177.3	1217.6	1224.9
60°	738.5	737.1	745.0	768.8	832.2	907.1	1002.9	1118.9	1194.6	1225.6	1232.8
62.5°	774.5	779.6	789.7	812.7	861.7	920.1	1013.0	1155.0	1268.1	1317.1	1329.3
65°	812.7	817.0	829.3	832.9	876.9	938.8	1081.5	1222.7	1317.8	1381.2	1389.8
67.5°	847.3	853.1	848.8	845.9	884.1	938.8	1067.8	1191.7	1271.0	1319.2	1328.6
70°	880.5	874.0	856.7	834.3	845.1	882.6	1000.8	1108.1	1188.1	1233.5	1242.9
72.5°	889.1	880.5	834.3	783.2	767.3	795.4	904.2	999.3	1064.9	1107.4	1113.2
75°	866.8	848.8	770.9	700.3	670.1	698.2	788.9	870.4	916.5	962.6	966.2
77.5°	777.4	765.9	679.4	593.7	559.8	580.7	656.4	714.0	767.3	812.0	820.7
80°	638.4	628.3	551.9	482.0	436.6	451.0	506.5	552.6	603.8	639.1	649.9
82.5°	469.8	468.3	413.6	348.0	316.3	314.9	356.6	402.0	440.9	474.8	482.0
85°	295.4	295.4	257.9	218.3	185.2	185.9	211.1	244.3	293.2	314.9	317.0
87.5°	100.1	95.1	88.6	72.1	57.6	51.9	55.5	63.4	96.5	119.6	123.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P197995

CATALOG NUMBER: TT-C2-LED-E1-RW-PM-7050

CANDELA DISTRIBUTION (continued):

	90°
0°	143.4
2.5°	145.5
5°	147.7
7.5°	149.9
10°	154.2
12.5°	160.7
15°	167.9
17.5°	178.0
20°	190.2
22.5°	203.9
25°	218.3
27.5°	239.9
30°	265.1
32.5°	296.1
35°	341.5
37.5°	388.4
40°	446.7
42.5°	527.4
45°	638.4
47.5°	745.7
50°	845.1
52.5°	1078.6
55°	1198.2
57.5°	1224.1
60°	1230.6
62.5°	1322.8
65°	1388.4
67.5°	1327.9
70°	1240.7
72.5°	1108.9
75°	972.0
77.5°	820.7
80°	641.2
82.5°	482.0
85°	312.0
87.5°	120.3
90°	0.0

(END OF REPORT)