

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: P198103

Luminaire Tested: **TT-C5-LED-E1-RW-PM-SG-LWR-LW-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P198103  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34701)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C5-LED-E1-RW-PM-SG-LWR-LW-7050  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS SENSOR  
Light Source: (160) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6576.9 lumens  
Efficiency: N/A  
Efficacy: 85.4 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 77  
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

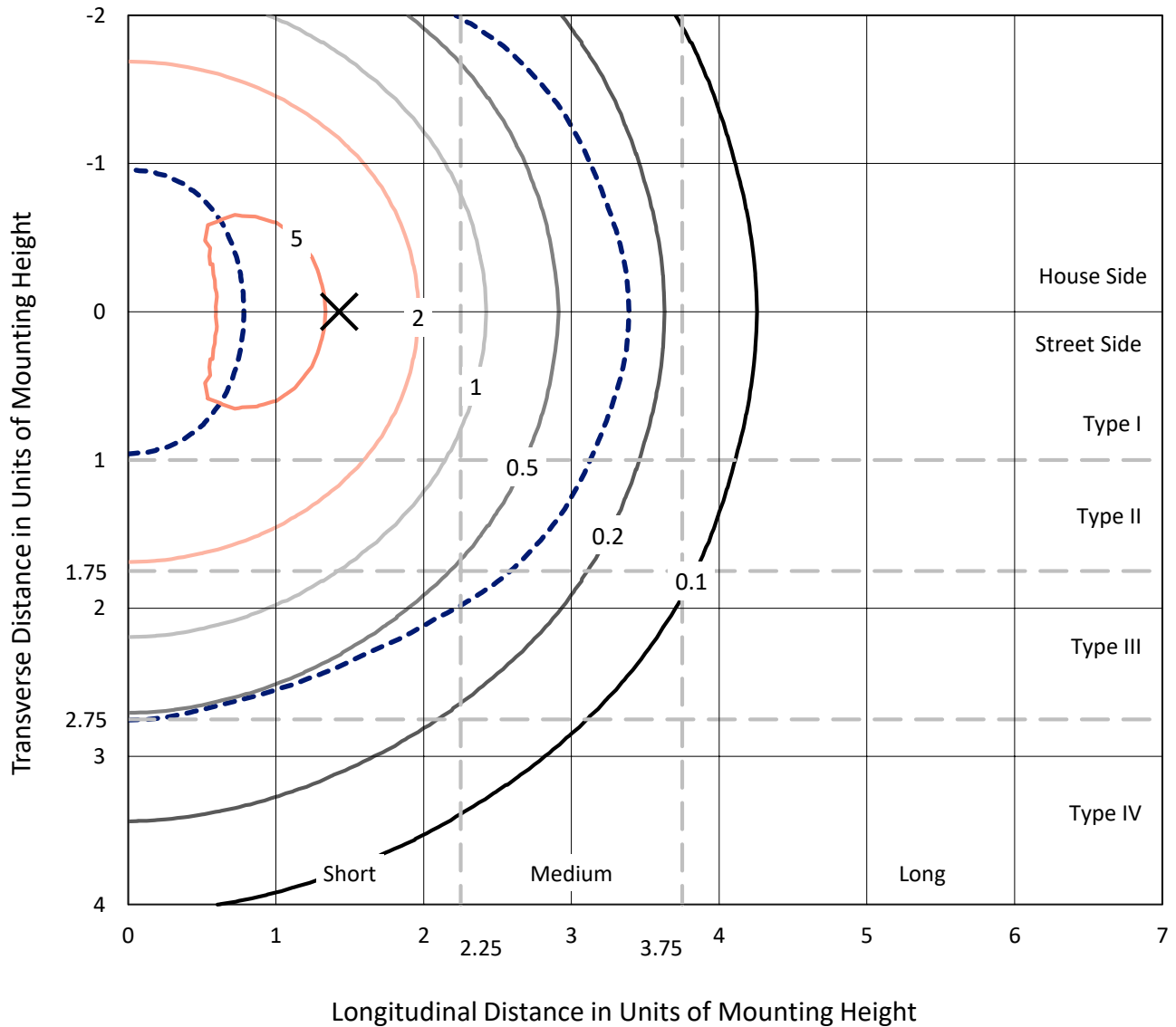


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

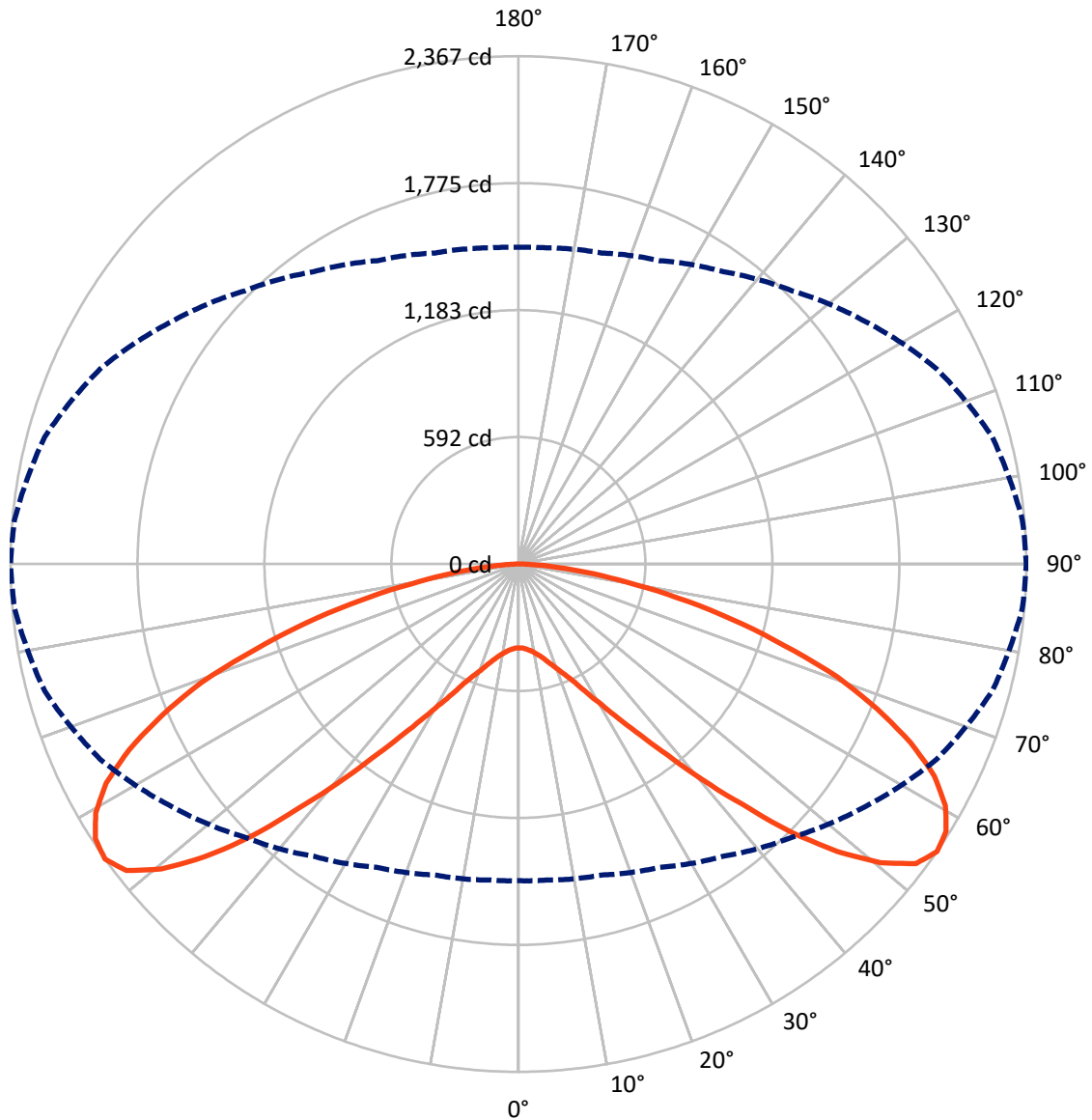


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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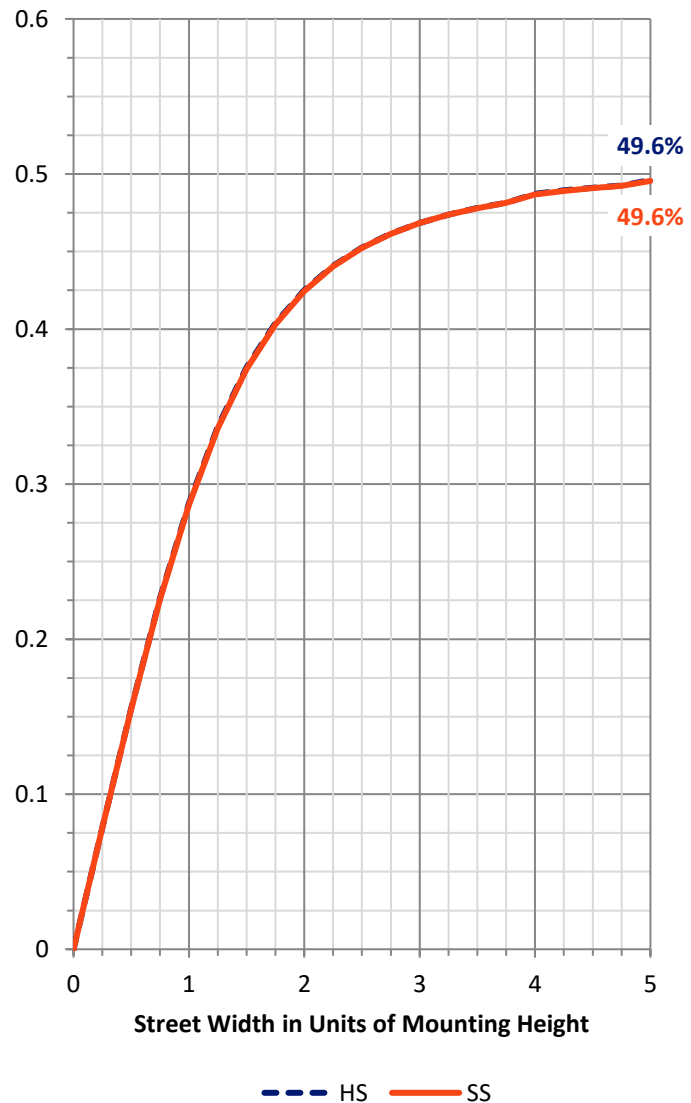
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3288.4	0.0	3288.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3288.4	0.0	3288.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6576.9	0.0	6576.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.8	0.6
10°-20°	134.3	2.0
20°-30°	293.3	4.5
30°-40°	589.8	9.0
40°-50°	1114.6	16.9
50°-60°	1644.1	25.0
60°-70°	1619.4	24.6
70°-80°	943.0	14.3
80°-90°	199.6	3.0
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°	6576.9	100.0
0°-180°	6576.9	100.0



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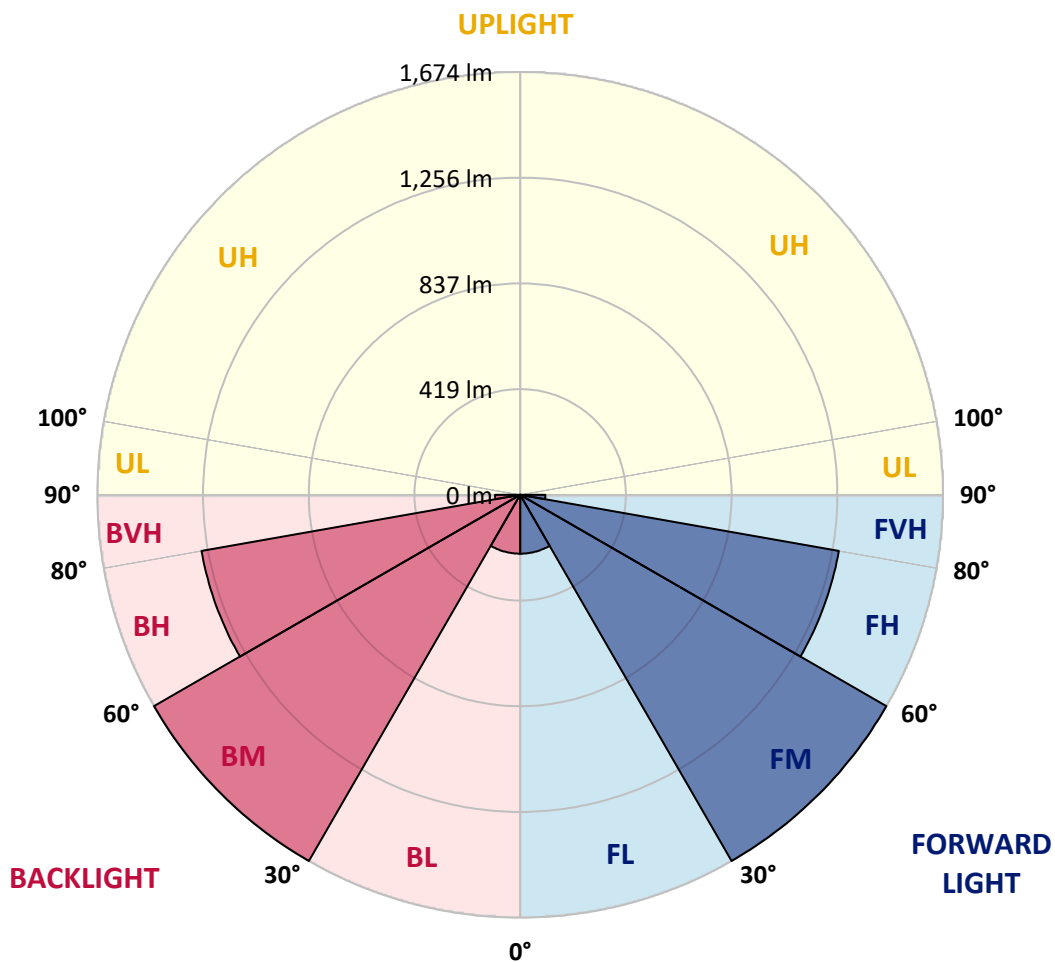
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.2	3.5			
FM	(30°-60°)	1674.2	25.5			
FH	(60°-80°)	1281.2	19.5			G1/1800
FVH	(80°-90°)	99.8	1.5			G1/100
BL	(0°-30°)	233.2	3.5	B1/500		
BM	(30°-60°)	1674.2	25.5	B2/2500		
BH	(60°-80°)	1281.2	19.5	B3/2500		G3/2500
BVH	(80°-90°)	99.8	1.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6
2.5°	393.7	393.7	393.7	393.7	392.2	393.7	392.2	392.2	392.2	392.2	392.2
5°	398.2	399.8	398.2	398.2	398.2	398.2	398.2	398.2	396.7	396.7	398.2
7.5°	408.9	408.9	408.9	408.9	407.4	408.9	407.4	407.4	407.4	407.4	407.4
10°	424.1	424.1	424.1	424.1	422.6	422.6	422.6	421.0	421.0	421.0	421.0
12.5°	442.3	443.8	443.8	442.3	440.8	440.8	439.3	439.3	439.3	439.3	437.8
15°	469.7	468.2	468.2	465.1	465.1	462.1	463.6	462.1	460.6	459.0	460.6
17.5°	497.0	498.6	498.6	495.5	494.0	492.5	489.4	489.4	487.9	489.4	489.4
20°	539.6	539.6	536.6	533.5	529.0	527.4	524.4	524.4	521.4	524.4	524.4
22.5°	582.2	582.2	579.1	577.6	571.5	567.0	565.4	563.9	562.4	565.4	562.4
25°	635.4	635.4	632.3	626.2	620.2	618.6	614.1	614.1	615.6	617.1	611.0
27.5°	690.1	691.6	688.6	684.0	677.9	671.8	671.8	673.4	674.9	681.0	679.4
30°	756.9	755.4	750.9	744.8	741.7	737.2	738.7	744.8	750.9	756.9	756.9
32.5°	825.3	823.8	822.3	816.2	814.7	813.2	820.8	832.9	845.1	849.7	857.3
35°	898.3	898.3	896.8	892.2	895.3	902.9	915.0	937.8	956.1	977.3	977.3
37.5°	978.9	975.8	977.3	977.3	984.9	998.6	1027.5	1071.6	1109.6	1130.9	1130.9
40°	1062.5	1057.9	1059.4	1067.0	1080.7	1114.1	1164.3	1225.1	1285.9	1313.3	1322.4
42.5°	1143.0	1138.5	1144.5	1152.1	1185.6	1237.3	1311.7	1404.5	1491.1	1533.7	1532.1
45°	1217.5	1220.5	1228.1	1246.4	1295.0	1371.0	1477.4	1602.1	1714.5	1764.7	1782.9
47.5°	1292.0	1293.5	1304.1	1336.1	1404.5	1500.2	1629.4	1795.1	1919.7	1979.0	2001.8
50°	1361.9	1364.9	1383.2	1428.8	1509.3	1624.9	1784.5	1960.8	2097.6	2167.5	2187.2
52.5°	1424.2	1427.3	1448.5	1504.8	1600.5	1734.3	1901.5	2082.4	2226.8	2307.3	2319.5
55°	1475.9	1478.9	1500.2	1559.5	1662.9	1801.2	1971.4	2150.8	2286.0	2357.5	2366.6
57.5°	1506.3	1507.8	1530.6	1591.4	1693.3	1822.5	1986.6	2159.9	2278.4	2342.3	2349.9
60°	1507.8	1510.9	1532.1	1586.9	1681.1	1799.7	1956.2	2111.2	2219.2	2276.9	2286.0
62.5°	1480.5	1482.0	1500.2	1542.8	1623.3	1726.7	1871.1	2010.9	2108.2	2164.4	2175.1
65°	1418.1	1418.1	1427.3	1459.2	1521.5	1609.7	1732.8	1862.0	1951.7	2003.3	2009.4
67.5°	1314.8	1314.8	1316.3	1337.6	1380.1	1450.1	1554.9	1662.9	1743.4	1795.1	1802.7
70°	1182.5	1181.0	1168.9	1182.5	1209.9	1269.2	1361.9	1444.0	1509.3	1550.4	1577.7
72.5°	1015.3	1009.3	1000.1	997.1	1024.5	1076.1	1152.1	1208.4	1244.9	1288.9	1292.0
75°	820.8	817.7	805.6	805.6	832.9	874.0	934.8	972.8	991.0	1019.9	1026.0
77.5°	612.6	611.0	615.6	617.1	632.3	676.4	711.3	738.7	734.1	752.4	758.5
80°	428.6	431.7	431.7	430.2	445.4	462.1	500.1	507.7	501.6	507.7	507.7
82.5°	272.1	270.6	267.5	272.1	284.2	297.9	313.1	314.6	319.2	314.6	317.7
85°	136.8	135.3	138.3	139.8	145.9	153.5	167.2	170.2	162.6	162.6	159.6
87.5°	47.1	50.2	47.1	48.6	48.6	56.2	54.7	54.7	54.7	54.7	57.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)