

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: P197564

Luminaire Tested: **TT-C2-LED-E1-5CQ-PM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
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-E1-5CQ-PM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4324 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

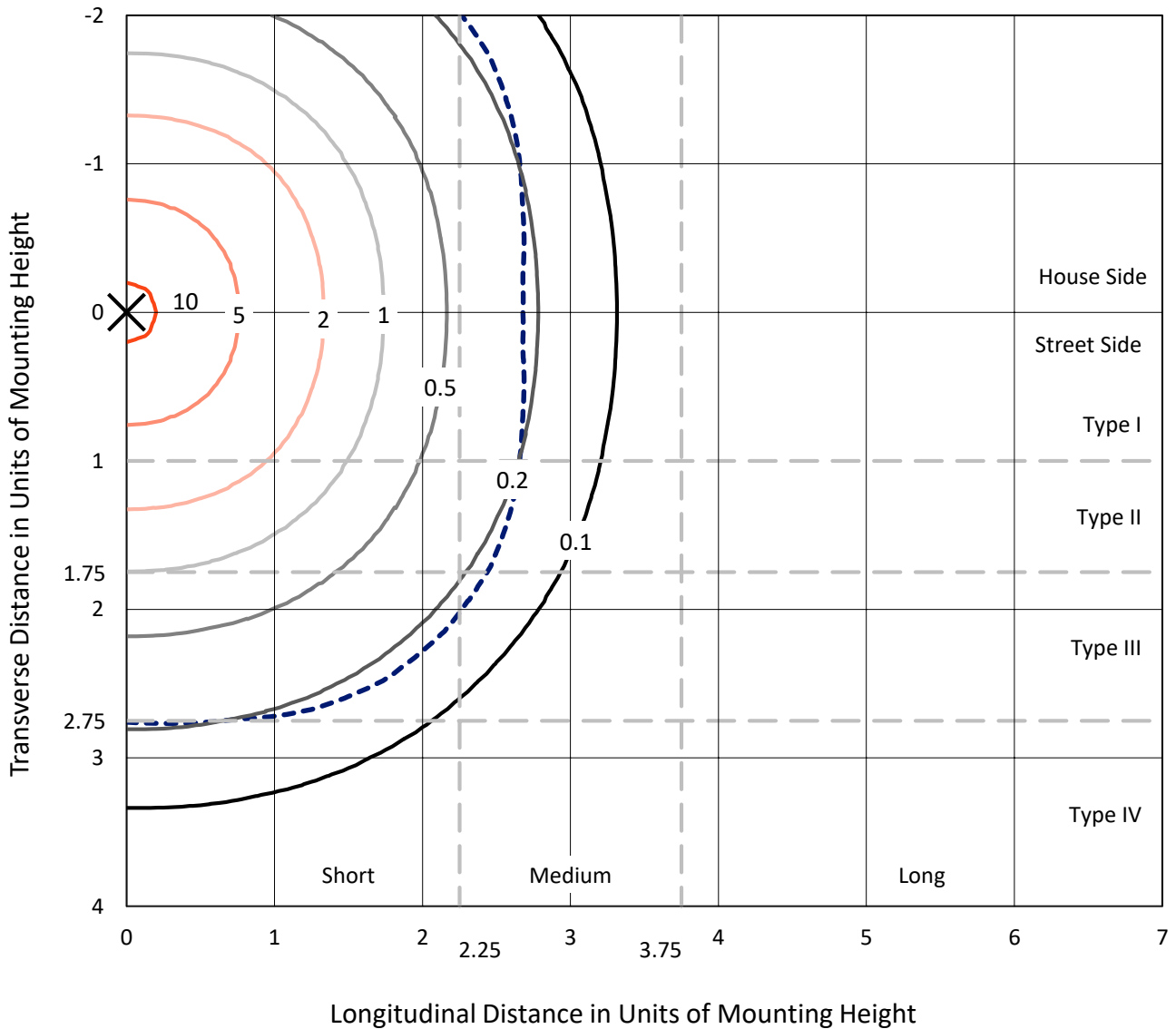
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P197564
 CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-7060

Iso-Footcandle Lines of Horizontal Illumination

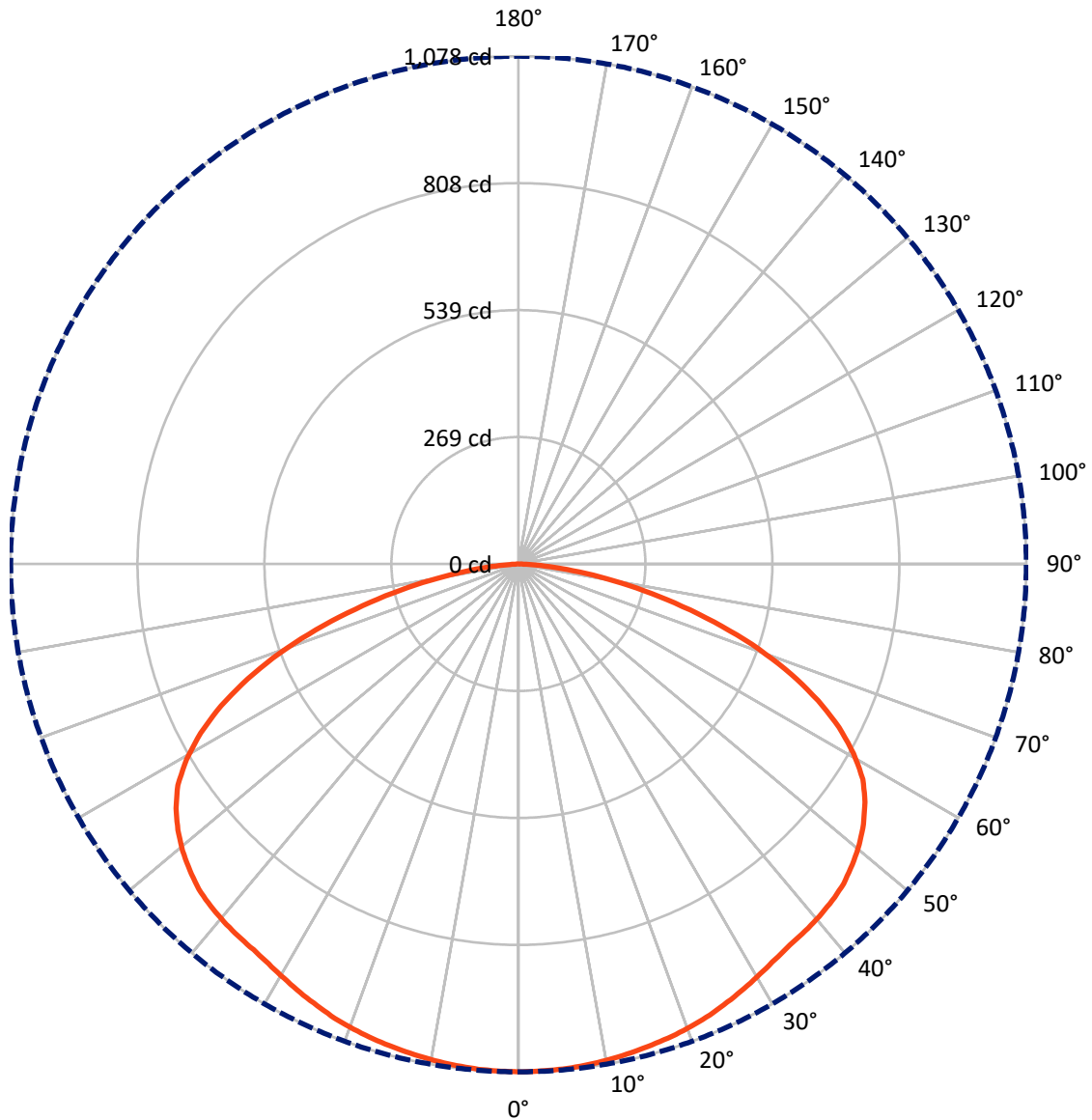
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197564
CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-7060

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P197564

CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-7060

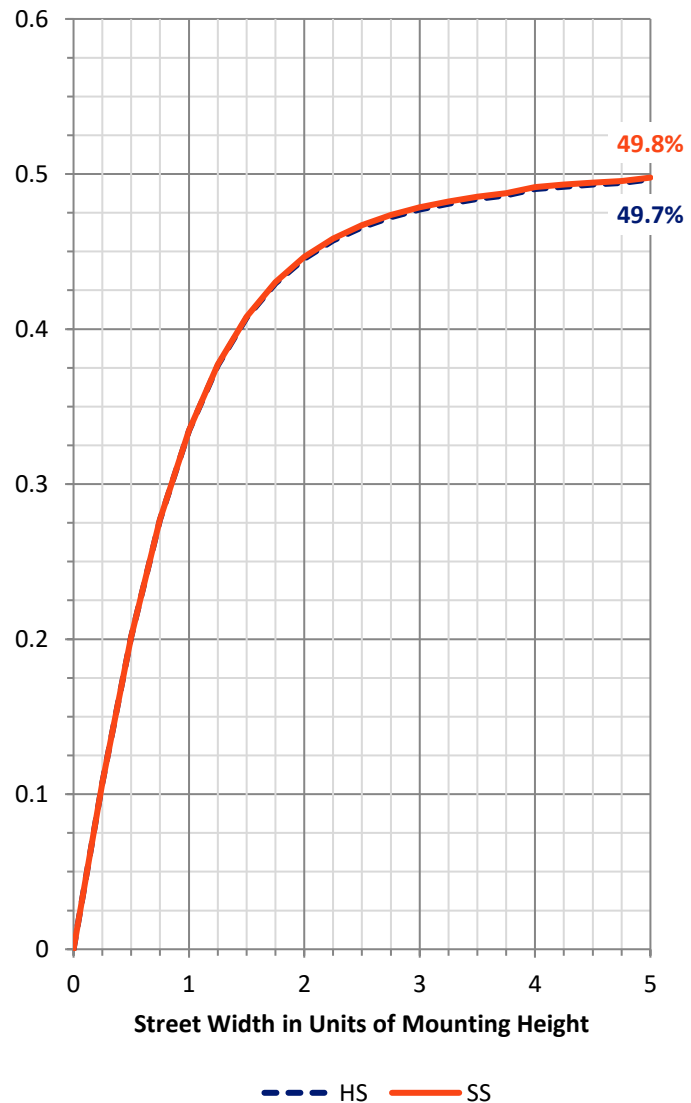
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2162.0	0.0	2162.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2162.0	0.0	2162.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4324.0	0.0	4324.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	2.4
10°-20°	299.9	6.9
20°-30°	477.1	11.0
30°-40°	630.9	14.6
40°-50°	769.9	17.8
50°-60°	831.5	19.2
60°-70°	720.1	16.7
70°-80°	408.3	9.4
80°-90°	84.0	1.9
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°	4324.0	100.0
0°-180°	4324.0	100.0



REPORT NUMBER: P197564

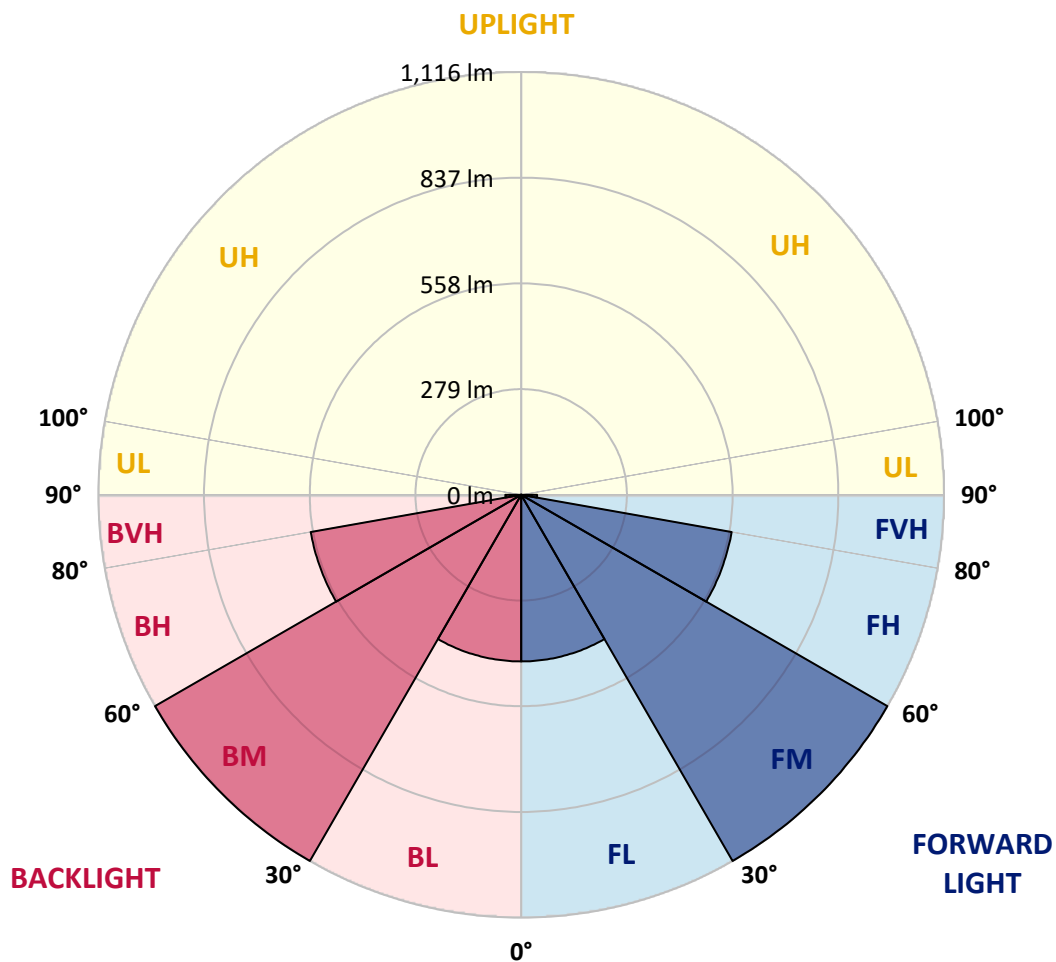
CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.7	10.2			
FM (30°-60°)	1116.2	25.8			
FH (60°-80°)	564.2	13.0			G0/660
FVH (80°-90°)	42.0	1.0			G1/100
BL (0°-30°)	439.7	10.2	B1/500		
BM (30°-60°)	1116.2	25.8	B2/2500		
BH (60°-80°)	564.2	13.0	B2/1000		G0/660
BVH (80°-90°)	42.0	1.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P197564

CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6
2.5°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
5°	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4
7.5°	1072.4	1072.4	1072.4	1072.4	1072.4	1073.2	1072.4	1072.4	1072.4	1072.4	1073.2
10°	1068.7	1068.7	1069.4	1069.4	1068.7	1068.7	1068.7	1068.7	1068.7	1068.7	1068.7
12.5°	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1063.5	1063.5	1063.5
15°	1059.0	1059.0	1059.0	1059.7	1059.7	1059.7	1059.7	1059.0	1058.3	1057.5	1058.3
17.5°	1053.8	1053.8	1054.5	1055.3	1055.3	1055.3	1055.3	1053.8	1053.0	1052.3	1052.3
20°	1047.1	1047.8	1047.8	1048.6	1049.3	1049.3	1049.3	1048.6	1047.1	1045.6	1045.6
22.5°	1039.6	1040.4	1041.2	1041.8	1042.6	1041.8	1041.8	1041.2	1039.6	1038.9	1038.2
25°	1029.9	1029.9	1031.5	1032.9	1033.7	1033.7	1033.7	1032.2	1030.7	1029.9	1029.3
27.5°	1020.3	1020.3	1021.8	1024.0	1024.7	1025.5	1024.0	1023.3	1021.1	1019.6	1019.6
30°	1009.8	1009.8	1012.2	1015.1	1017.3	1018.1	1017.3	1014.4	1011.4	1009.8	1009.8
32.5°	1000.2	1000.9	1003.2	1007.6	1011.4	1012.8	1012.2	1008.4	1004.7	1001.7	1000.9
35°	992.7	993.5	997.9	1003.2	1009.2	1011.4	1009.2	1005.4	999.5	995.0	995.0
37.5°	988.3	988.3	994.3	1003.2	1009.8	1012.8	1009.8	1004.7	996.5	990.5	990.5
40°	983.1	984.6	992.1	1003.2	1012.8	1017.3	1013.6	1006.2	995.7	988.3	987.5
42.5°	976.4	978.6	986.8	1001.7	1013.6	1020.3	1016.6	1007.6	995.0	986.8	986.1
45°	967.5	968.2	978.6	996.5	1012.2	1021.1	1018.1	1006.9	992.7	983.1	981.6
47.5°	953.3	954.8	967.5	988.3	1007.6	1017.3	1015.1	1002.4	984.6	973.4	971.2
50°	937.0	938.4	953.3	977.2	998.7	1009.8	1006.2	990.5	971.2	956.3	954.8
52.5°	916.8	919.8	936.2	963.0	986.1	996.5	990.5	970.4	948.1	931.7	930.3
55°	892.3	895.3	913.9	942.2	965.2	973.4	965.2	941.4	917.6	899.0	895.3
57.5°	861.8	864.0	881.9	911.6	934.0	940.6	930.3	905.7	877.4	857.3	855.1
60°	817.1	820.1	841.0	868.5	890.8	899.0	888.6	858.9	828.3	808.2	807.4
62.5°	763.5	768.8	786.6	816.4	836.5	847.6	833.5	803.0	772.4	749.4	749.4
65°	698.8	702.5	721.9	750.9	770.2	779.9	765.8	737.5	704.0	683.9	681.7
67.5°	624.3	627.3	644.5	674.2	695.1	703.2	687.7	660.9	629.6	608.0	605.8
70°	541.8	546.2	558.9	586.5	605.0	609.5	597.6	572.2	544.0	524.7	523.1
72.5°	451.7	455.5	471.8	493.4	508.3	509.8	502.4	483.7	454.7	439.0	436.8
75°	359.5	365.4	379.5	398.2	409.3	409.3	404.8	391.5	366.2	354.3	354.3
77.5°	272.4	275.4	290.3	302.8	311.8	316.3	311.1	299.2	279.1	270.8	266.4
80°	189.7	192.7	199.4	209.1	218.1	221.1	215.1	205.4	194.2	188.3	185.3
82.5°	116.1	119.1	122.8	128.0	134.0	137.0	133.2	127.3	117.5	116.9	116.1
85°	55.8	57.3	60.3	61.8	64.8	65.5	66.2	63.2	60.3	56.5	58.1
87.5°	17.1	17.1	17.9	18.6	20.1	20.1	20.1	19.3	17.9	17.1	17.1
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)