

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: P197778

Luminaire Tested: **TT-C2-LED-E1-5WQ-PM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34714)
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-E1-5WQ-PM
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4397.3 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

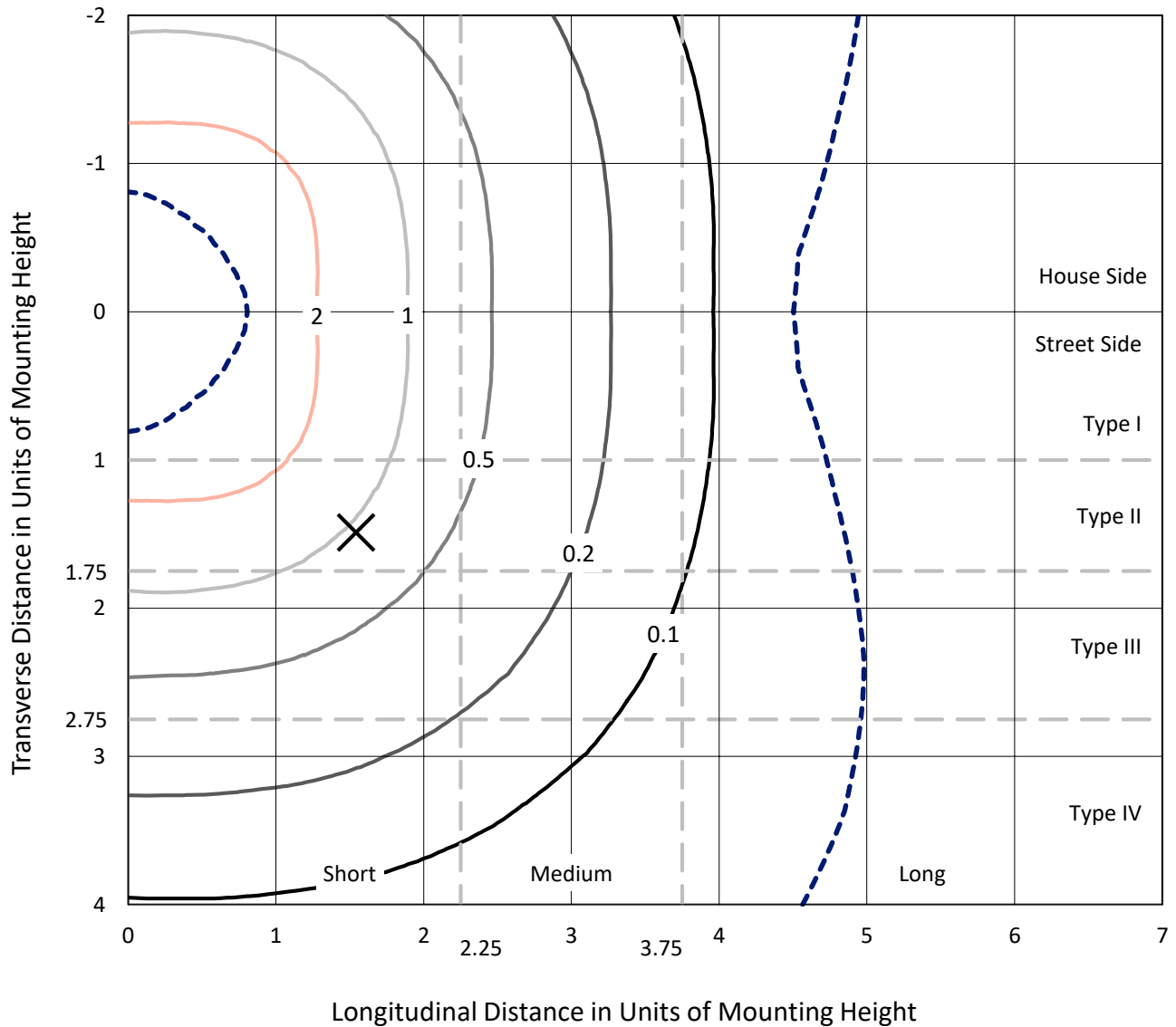
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

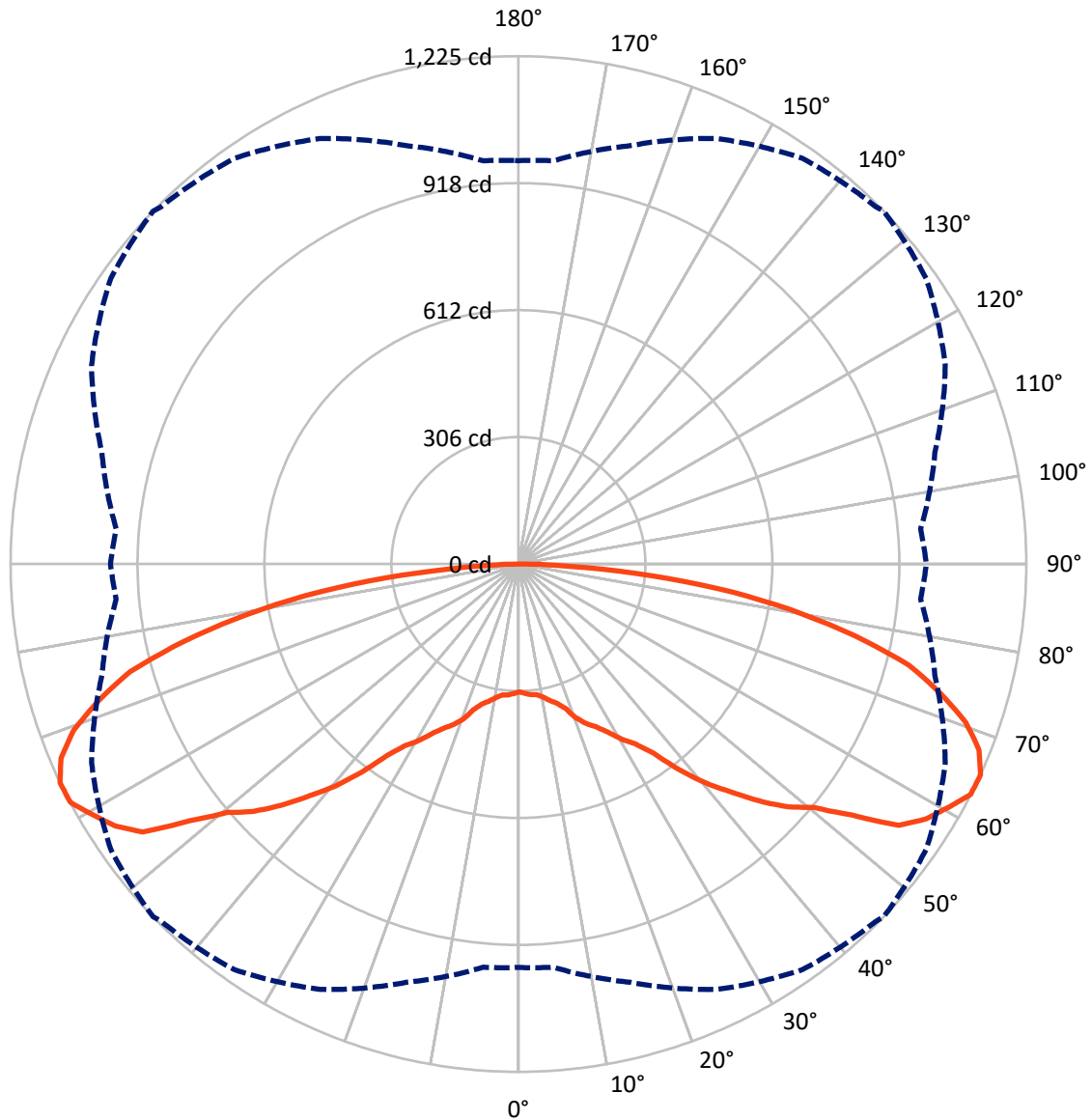
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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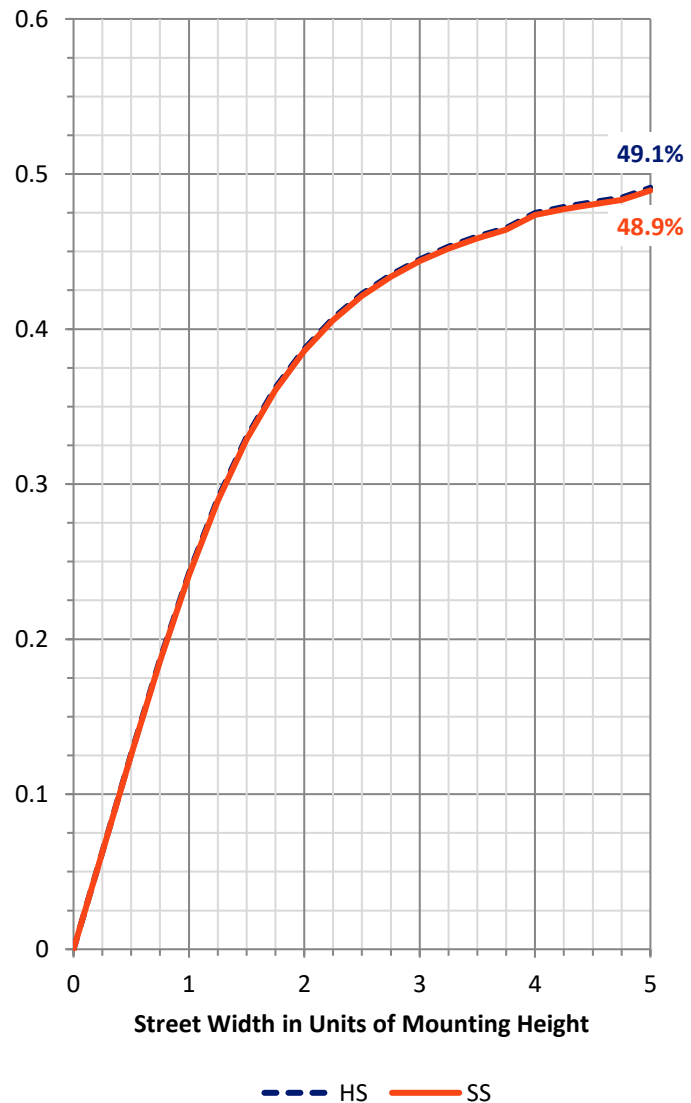
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2198.7	0.0	2198.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2198.7	0.0	2198.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4397.3	0.0	4397.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	0.7
10°-20°	101.5	2.3
20°-30°	204.3	4.6
30°-40°	355.7	8.1
40°-50°	601.6	13.7
50°-60°	896.8	20.4
60°-70°	1073.2	24.4
70°-80°	868.9	19.8
80°-90°	264.7	6.0
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°	4397.3	100.0
0°-180°	4397.3	100.0



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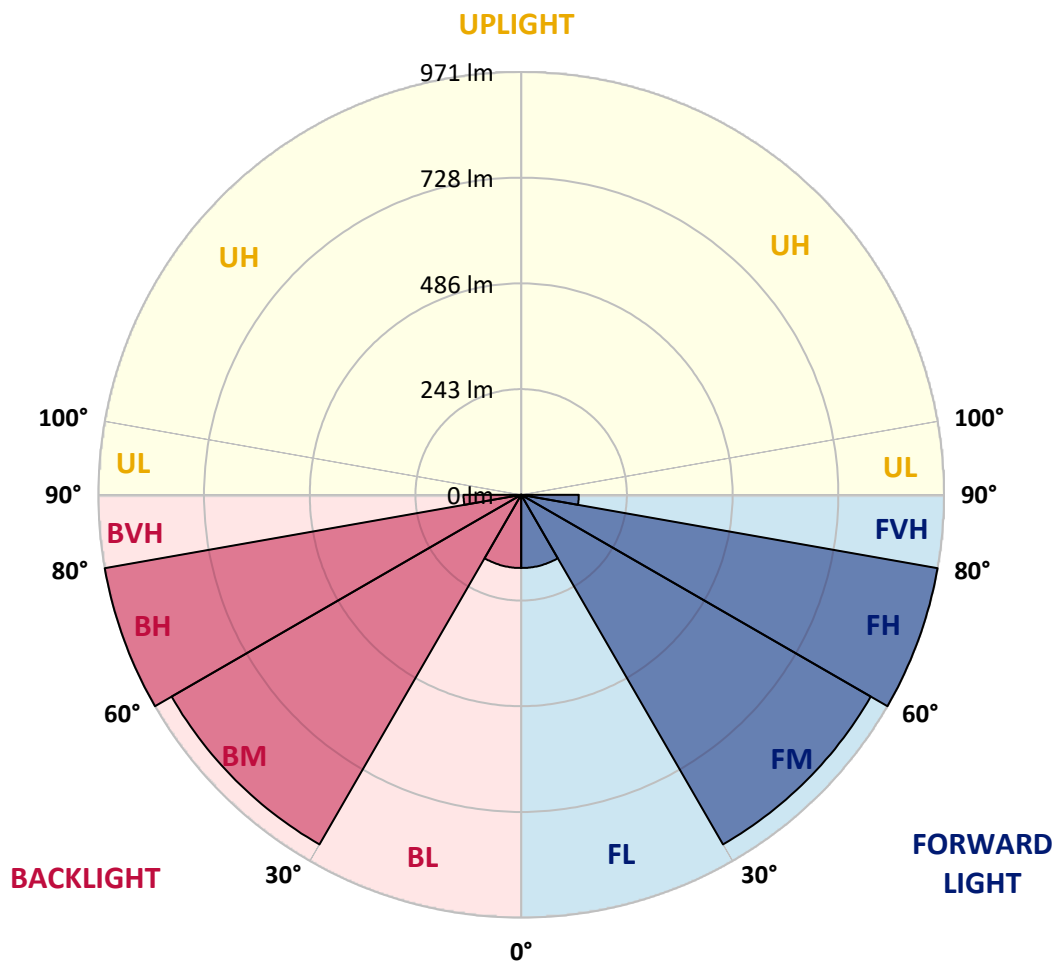
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.2	3.8			
FM (30°-60°)	927.1	21.1			
FH (60°-80°)	971.1	22.1			G1/1800
FVH (80°-90°)	132.4	3.0			G2/225
BL (0°-30°)	168.2	3.8	B1/500		
BM (30°-60°)	927.1	21.1	B1/1000		
BH (60°-80°)	971.1	22.1	B2/1000		G1/1800
BVH (80°-90°)	132.4	3.0			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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0
2.5°	313.3	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6	313.3
5°	318.7	318.7	317.9	317.1	317.1	316.4	316.4	316.4	317.1	317.9	317.9
7.5°	320.9	320.2	320.2	319.4	318.7	318.7	317.9	318.7	319.4	320.2	320.2
10°	325.5	326.3	327.0	327.8	328.6	327.8	326.3	327.8	327.8	327.0	325.5
12.5°	336.2	336.2	338.4	340.7	340.7	340.0	337.7	340.7	340.0	337.7	336.2
15°	350.6	351.4	351.4	353.6	352.1	350.6	348.3	352.1	352.1	350.6	349.8
17.5°	371.1	369.6	367.3	368.9	370.4	370.4	365.8	370.4	367.3	365.8	368.1
20°	394.0	393.2	392.4	394.0	400.0	397.8	395.5	398.5	394.7	389.4	390.9
22.5°	411.4	413.0	415.3	417.5	423.6	422.1	417.5	422.9	416.8	415.3	410.7
25°	433.5	432.7	438.8	438.8	442.6	440.4	435.0	442.6	436.5	438.8	432.0
27.5°	455.6	454.8	459.4	459.4	466.2	465.4	458.6	466.2	459.4	457.8	455.6
30°	480.7	479.1	479.9	486.0	495.9	495.9	489.8	493.6	486.0	478.4	477.6
32.5°	507.3	504.2	508.8	518.7	524.0	522.5	516.4	522.5	520.2	507.3	504.2
35°	533.1	536.9	545.3	553.7	563.6	565.1	559.8	562.8	554.4	544.5	536.9
37.5°	576.5	582.6	593.2	613.0	628.2	632.8	628.2	626.7	614.5	592.5	581.8
40°	637.3	638.8	653.3	683.0	698.9	702.0	693.6	695.9	681.4	657.1	634.3
42.5°	686.8	684.5	710.3	737.0	753.7	760.5	751.4	754.5	734.7	711.1	686.0
45°	727.1	729.4	756.0	782.6	809.2	822.1	815.3	810.0	781.1	754.5	732.4
47.5°	764.3	775.0	793.2	832.0	865.5	879.9	874.6	867.0	836.6	792.5	775.7
50°	811.5	818.3	840.4	890.6	921.8	927.1	922.5	922.5	893.6	842.7	819.9
52.5°	862.4	863.2	895.9	947.6	987.2	1008.5	1004.7	994.0	948.4	903.5	866.3
55°	923.3	914.9	965.9	1019.9	1079.2	1114.2	1112.7	1089.8	1027.5	968.2	918.7
57.5°	957.5	959.0	1005.4	1086.8	1143.8	1153.7	1159.1	1145.4	1098.2	1006.9	968.2
60°	965.1	983.4	1026.0	1115.7	1160.6	1189.5	1191.0	1168.2	1118.7	1032.0	991.0
62.5°	968.2	990.2	1042.7	1114.2	1190.2	1218.4	1223.7	1200.1	1120.3	1045.0	984.9
65°	972.7	975.8	1044.2	1131.7	1194.0	1218.4	1224.5	1200.1	1135.5	1039.7	973.5
67.5°	953.7	946.1	1006.2	1101.3	1162.1	1191.0	1197.8	1168.9	1103.5	1007.7	956.0
70°	885.3	888.3	955.2	1045.7	1112.7	1140.0	1144.6	1113.4	1045.0	962.1	902.0
72.5°	813.0	820.6	876.9	968.2	1028.2	1054.9	1063.2	1030.5	972.7	887.5	825.2
75°	712.6	727.1	781.1	863.2	923.3	963.6	972.0	929.4	860.2	786.4	726.3
77.5°	601.6	611.5	663.2	733.9	798.6	819.1	826.7	806.2	737.7	672.3	616.0
80°	473.1	476.9	529.3	585.6	635.8	652.5	663.9	638.1	591.7	532.4	477.6
82.5°	324.7	330.1	367.3	419.1	463.2	470.0	484.5	463.2	419.8	374.2	333.1
85°	168.8	176.4	205.3	233.5	267.7	276.1	280.6	264.7	241.9	204.6	177.2
87.5°	36.5	40.3	44.9	57.8	69.2	79.1	85.9	71.5	57.0	47.9	36.5
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°	308.0
2.5°	312.6
5°	317.9
7.5°	320.2
10°	325.5
12.5°	335.4
15°	350.6
17.5°	369.6
20°	390.2
22.5°	408.4
25°	430.5
27.5°	455.6
30°	481.4
32.5°	502.7
35°	532.4
37.5°	581.0
40°	639.6
42.5°	686.8
45°	725.6
47.5°	768.9
50°	812.3
52.5°	867.8
55°	922.5
57.5°	950.7
60°	968.2
62.5°	981.9
65°	983.4
67.5°	943.8
70°	883.7
72.5°	815.3
75°	714.9
77.5°	609.2
80°	473.1
82.5°	332.4
85°	174.2
87.5°	34.2
90°	0.0

(END OF REPORT)