

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: P197779

Luminaire Tested: **TT-C2-LED-E1-5WQ-PM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197779
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-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4165.9 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

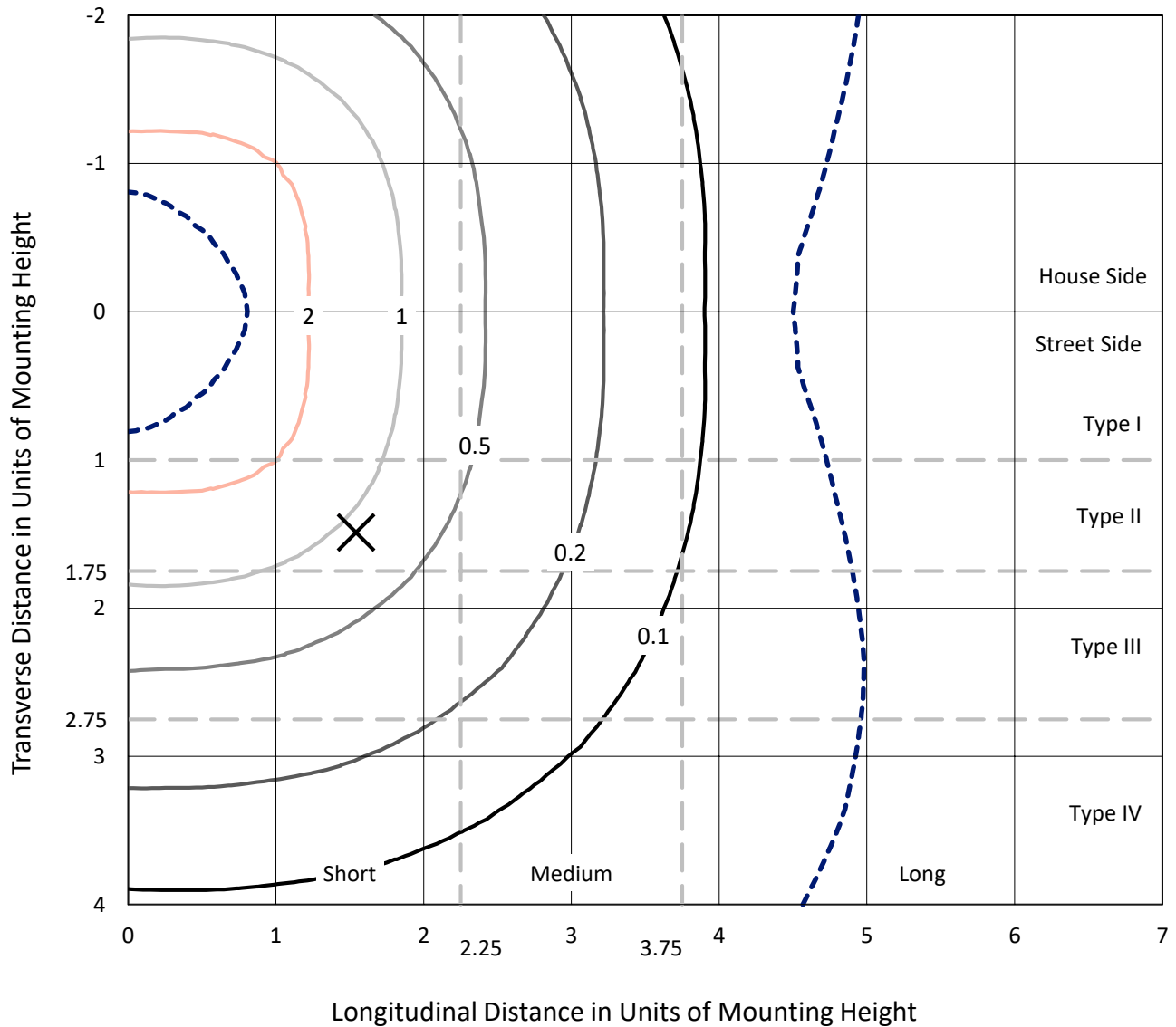
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

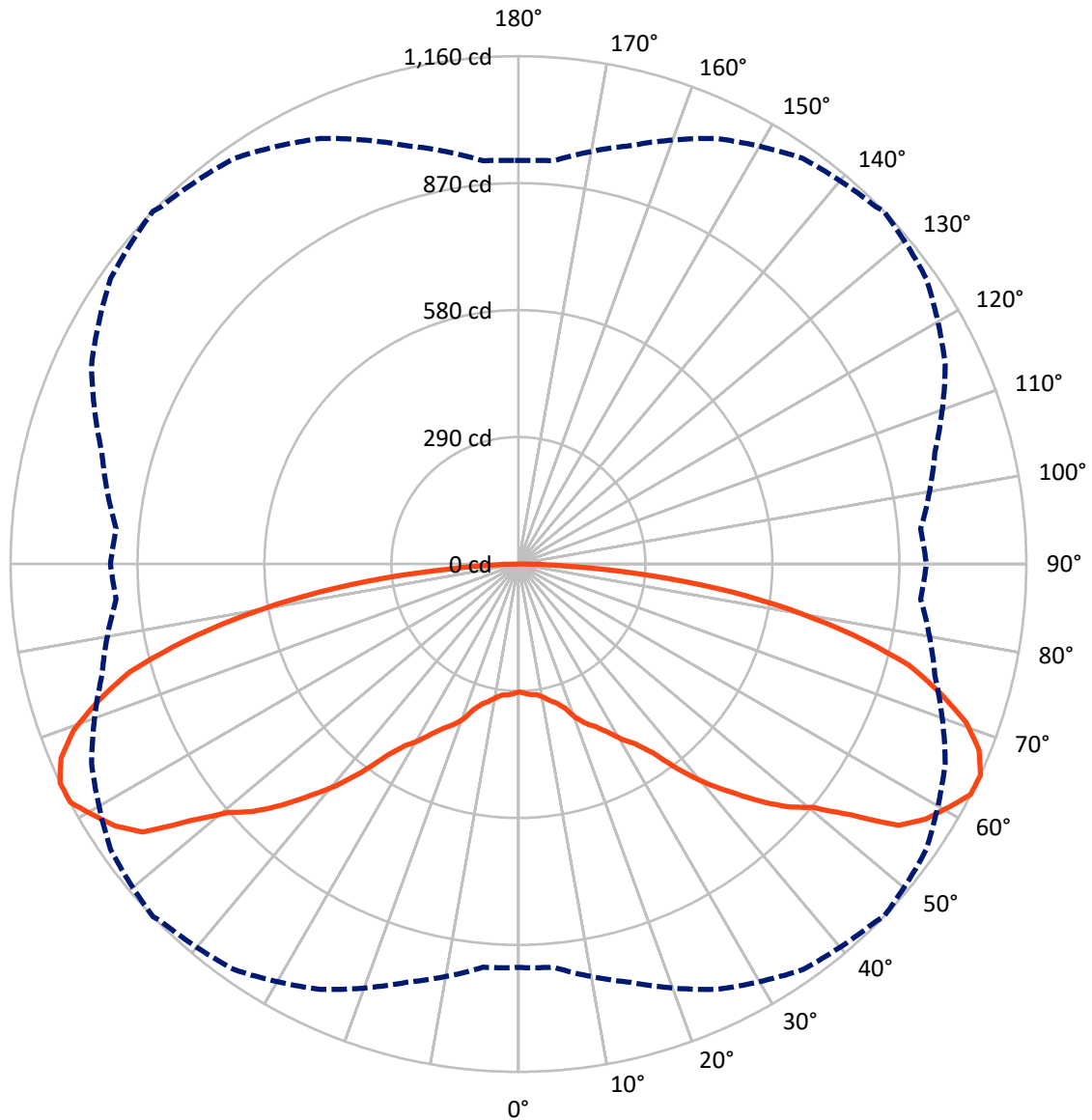
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 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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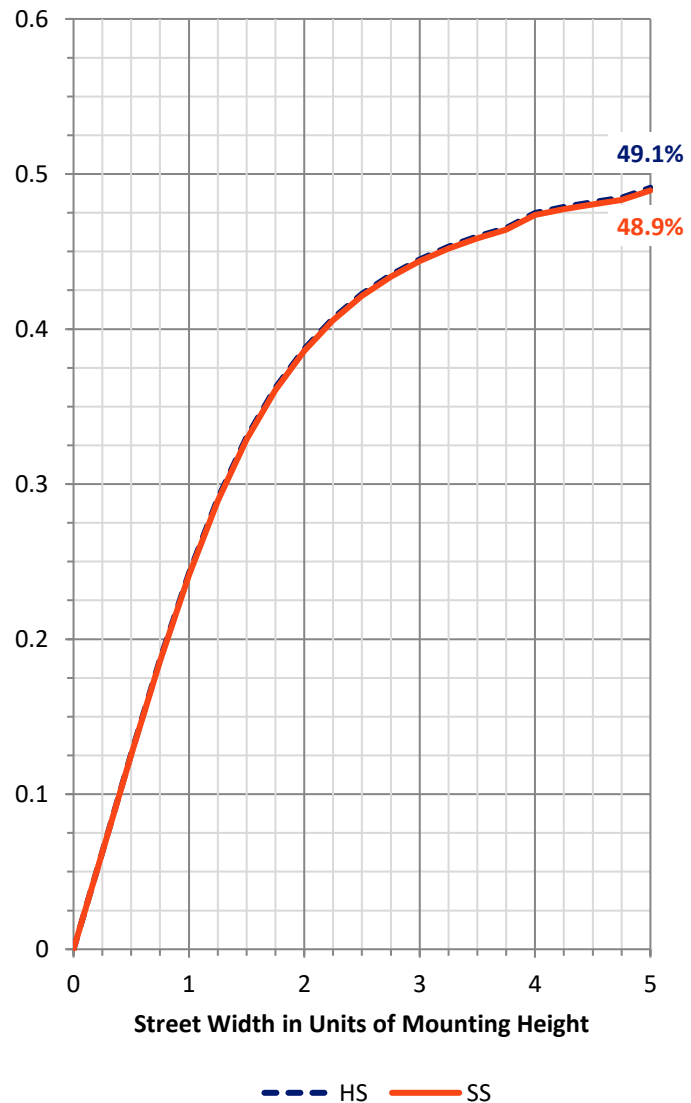
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2082.9	0.0	2082.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2082.9	0.0	2082.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	4165.9	0.0	4165.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	0.7
10°-20°	96.2	2.3
20°-30°	193.5	4.6
30°-40°	337.0	8.1
40°-50°	570.0	13.7
50°-60°	849.6	20.4
60°-70°	1016.7	24.4
70°-80°	823.2	19.8
80°-90°	250.8	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°	4165.9	100.0
0°-180°	4165.9	100.0

Coefficient of Utilization



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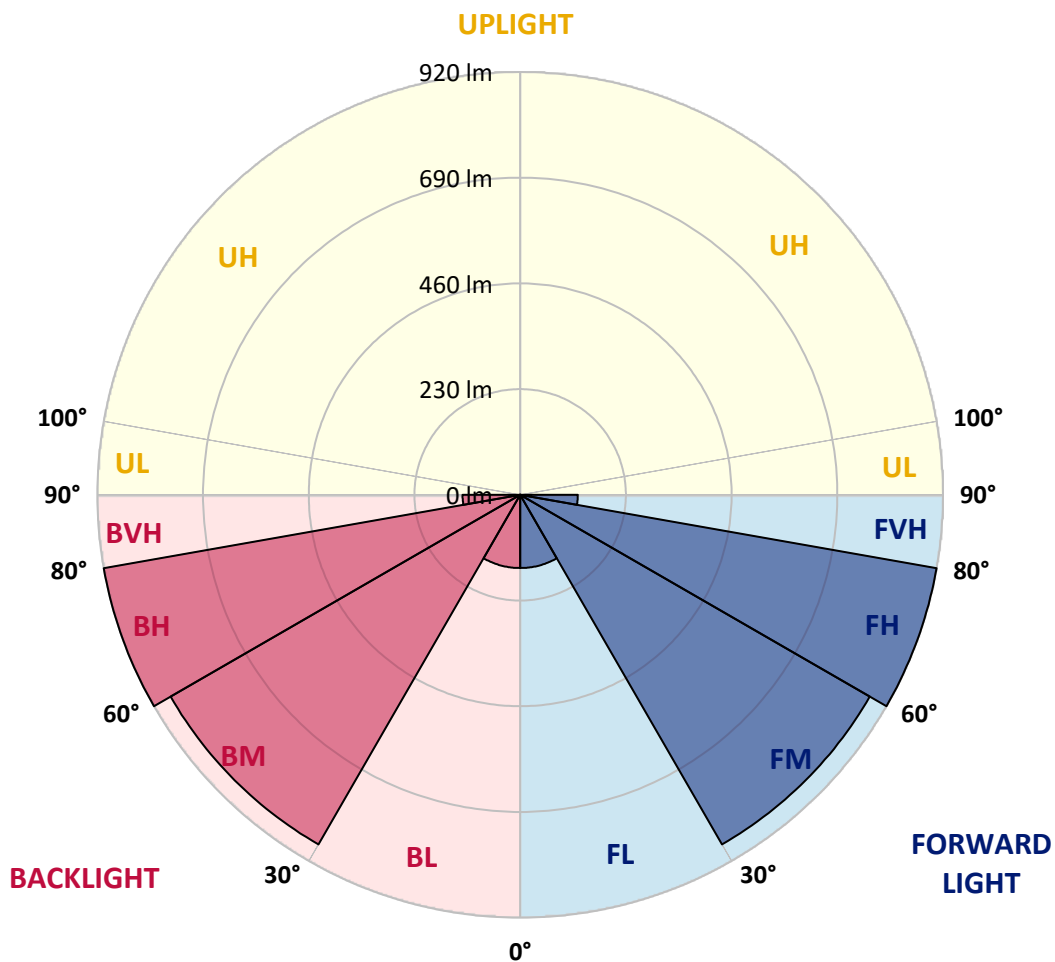
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.3	3.8			
FM	(30°-60°)	878.3	21.1			
FH	(60°-80°)	920.0	22.1			G1/1800
FVH	(80°-90°)	125.4	3.0			G2/225
BL	(0°-30°)	159.3	3.8	B1/500		
BM	(30°-60°)	878.3	21.1	B1/1000		
BH	(60°-80°)	920.0	22.1	B2/1000		G1/1800
BVH	(80°-90°)	125.4	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°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8
2.5°	296.8	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.8
5°	301.9	301.9	301.2	300.4	300.4	299.7	299.7	299.7	300.4	301.2	301.2
7.5°	304.1	303.3	303.3	302.6	301.9	301.9	301.2	301.9	302.6	303.3	303.3
10°	308.4	309.1	309.8	310.5	311.3	310.5	309.1	310.5	310.5	309.8	308.4
12.5°	318.5	318.5	320.6	322.8	322.8	322.1	319.9	322.8	322.1	319.9	318.5
15°	332.2	332.9	332.9	335.0	333.6	332.2	330.0	333.6	333.6	332.2	331.4
17.5°	351.6	350.2	348.0	349.4	350.9	350.9	346.6	350.9	348.0	346.6	348.7
20°	373.2	372.5	371.8	373.2	379.0	376.8	374.7	377.5	373.9	368.9	370.3
22.5°	389.8	391.2	393.4	395.6	401.3	399.9	395.6	400.6	394.8	393.4	389.1
25°	410.7	410.0	415.7	415.7	419.3	417.2	412.1	419.3	413.6	415.7	409.2
27.5°	431.6	430.9	435.2	435.2	441.7	440.9	434.5	441.7	435.2	433.7	431.6
30°	455.4	453.9	454.6	460.4	469.8	469.8	464.0	467.6	460.4	453.2	452.5
32.5°	480.6	477.7	482.0	491.4	496.4	495.0	489.2	495.0	492.8	480.6	477.7
35°	505.1	508.7	516.6	524.5	533.9	535.3	530.3	533.2	525.2	515.9	508.7
37.5°	546.1	551.9	562.0	580.7	595.1	599.5	595.1	593.7	582.2	561.3	551.2
40°	603.8	605.2	618.9	647.0	662.1	665.0	657.1	659.3	645.6	622.5	600.9
42.5°	650.6	648.5	672.9	698.2	714.0	720.5	711.9	714.7	696.0	673.7	649.9
45°	688.8	691.0	716.2	741.4	766.6	778.9	772.4	767.3	740.0	714.7	693.8
47.5°	724.1	734.2	751.5	788.2	819.9	833.6	828.6	821.4	792.6	750.8	734.9
50°	768.8	775.3	796.2	843.7	873.2	878.3	874.0	874.0	846.6	798.3	776.7
52.5°	817.0	817.8	848.8	897.7	935.2	955.4	951.8	941.7	898.5	856.0	820.7
55°	874.7	866.8	915.0	966.2	1022.4	1055.5	1054.1	1032.5	973.4	917.2	870.4
57.5°	907.1	908.6	952.5	1029.6	1083.6	1093.0	1098.0	1085.1	1040.4	953.9	917.2
60°	914.3	931.6	972.0	1057.0	1099.5	1126.9	1128.3	1106.7	1059.9	977.7	938.8
62.5°	917.2	938.1	987.8	1055.5	1127.6	1154.2	1159.3	1137.0	1061.3	990.0	933.1
65°	921.5	924.4	989.2	1072.1	1131.2	1154.2	1160.0	1137.0	1075.7	984.9	922.2
67.5°	903.5	896.3	953.2	1043.3	1100.9	1128.3	1134.8	1107.4	1045.4	954.7	905.7
70°	838.7	841.5	905.0	990.7	1054.1	1080.0	1084.4	1054.8	990.0	911.4	854.5
72.5°	770.2	777.4	830.7	917.2	974.1	999.3	1007.3	976.3	921.5	840.8	781.7
75°	675.1	688.8	740.0	817.8	874.7	912.9	920.8	880.5	814.9	745.0	688.1
77.5°	569.9	579.3	628.3	695.3	756.5	776.0	783.2	763.7	698.9	636.9	583.6
80°	448.2	451.8	501.5	554.8	602.3	618.2	629.0	604.5	560.6	504.4	452.5
82.5°	307.7	312.7	348.0	397.0	438.8	445.3	459.0	438.8	397.7	354.5	315.6
85°	160.0	167.2	194.5	221.2	253.6	261.5	265.9	250.7	229.1	193.8	167.9
87.5°	34.6	38.2	42.5	54.8	65.6	74.9	81.4	67.7	54.0	45.4	34.6
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°	291.8
2.5°	296.1
5°	301.2
7.5°	303.3
10°	308.4
12.5°	317.7
15°	332.2
17.5°	350.2
20°	369.6
22.5°	386.9
25°	407.8
27.5°	431.6
30°	456.1
32.5°	476.3
35°	504.4
37.5°	550.5
40°	605.9
42.5°	650.6
45°	687.4
47.5°	728.4
50°	769.5
52.5°	822.1
55°	874.0
57.5°	900.6
60°	917.2
62.5°	930.2
65°	931.6
67.5°	894.1
70°	837.2
72.5°	772.4
75°	677.3
77.5°	577.1
80°	448.2
82.5°	314.9
85°	165.0
87.5°	32.4
90°	0.0

(END OF REPORT)