

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: P197775

Luminaire Tested: **TT-C1-LED-E1-5WQ-PM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197775
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-C1-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: 3432.6 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

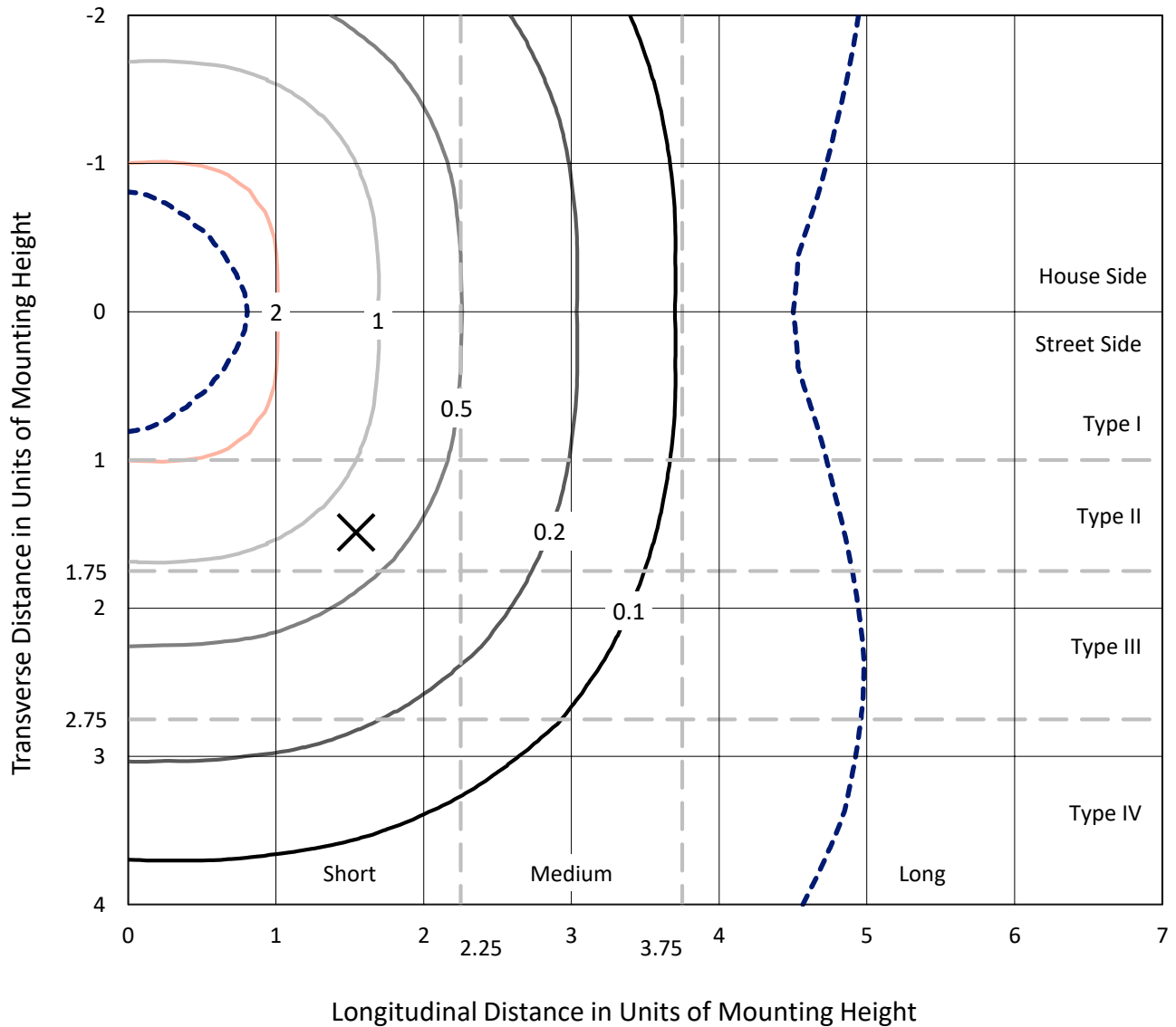
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

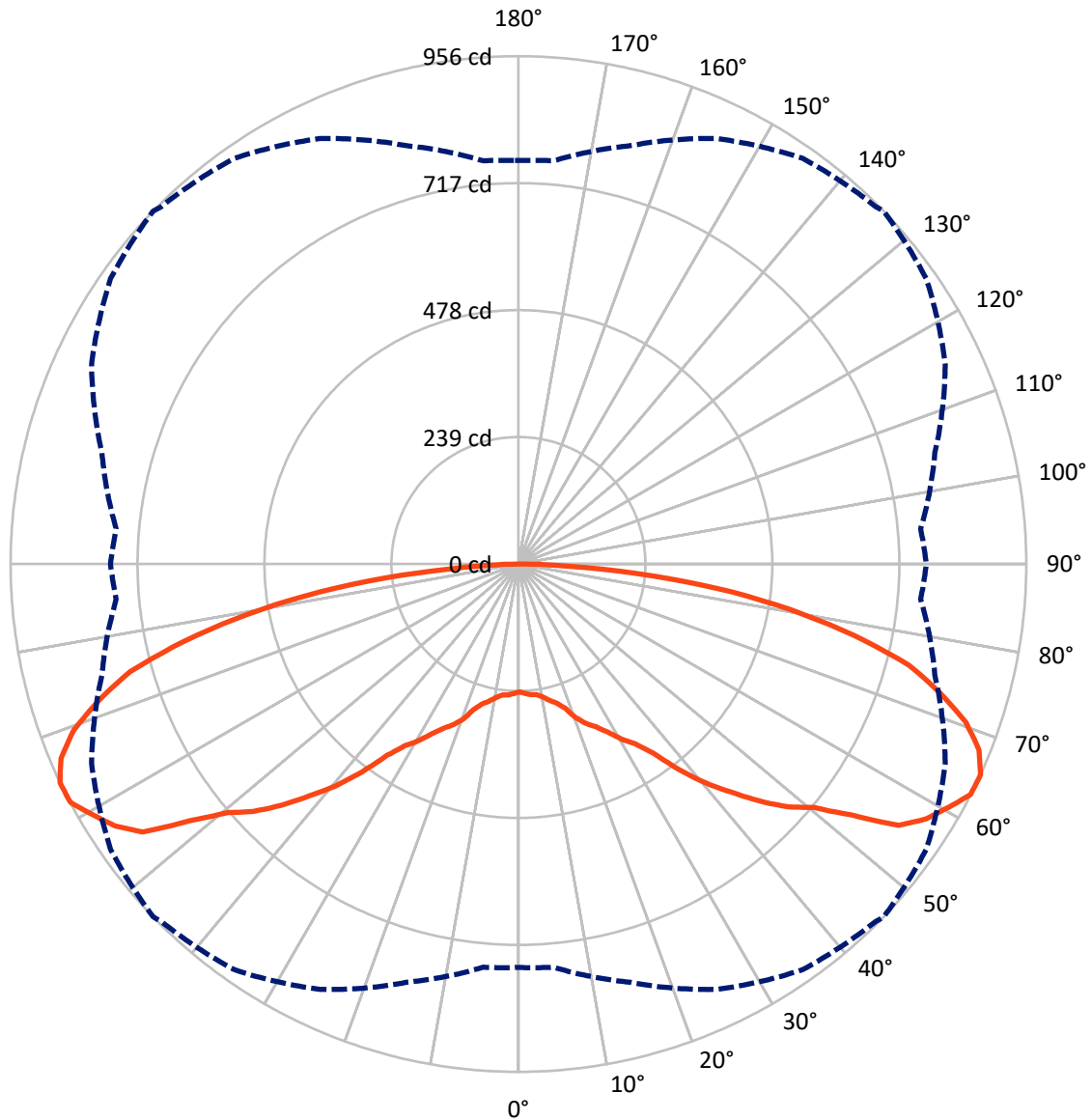
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 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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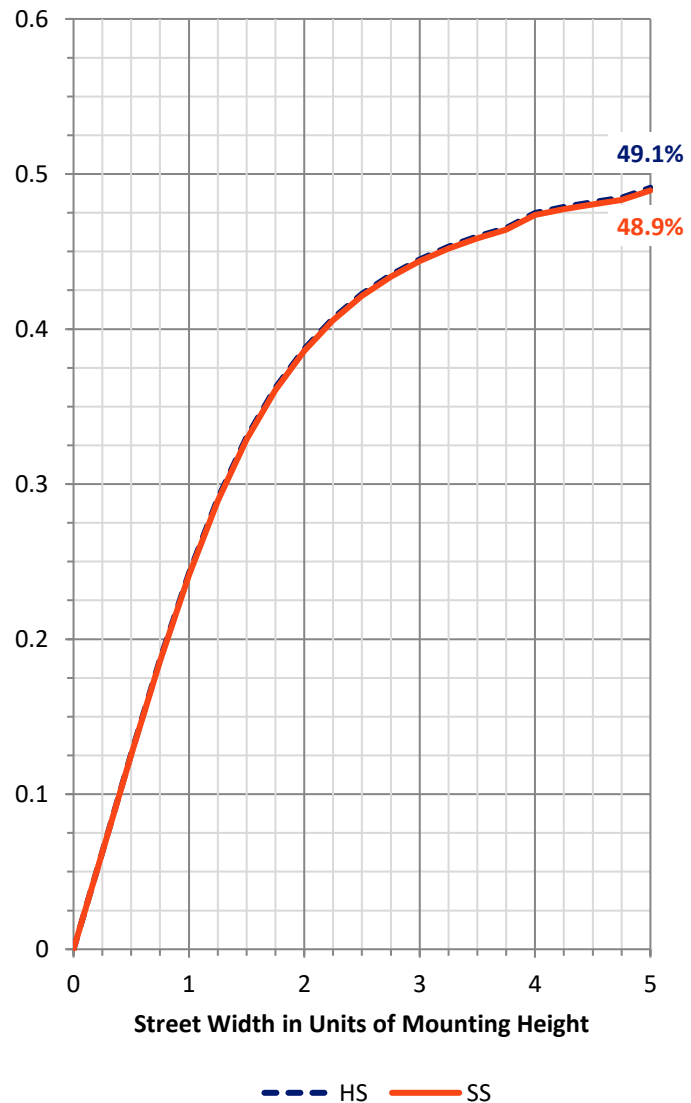
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1716.3	0.0	1716.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1716.3	0.0	1716.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3432.6	0.0	3432.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	0.7
10°-20°	79.2	2.3
20°-30°	159.5	4.6
30°-40°	277.7	8.1
40°-50°	469.6	13.7
50°-60°	700.0	20.4
60°-70°	837.8	24.4
70°-80°	678.3	19.8
80°-90°	206.6	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°	3432.6	100.0
0°-180°	3432.6	100.0



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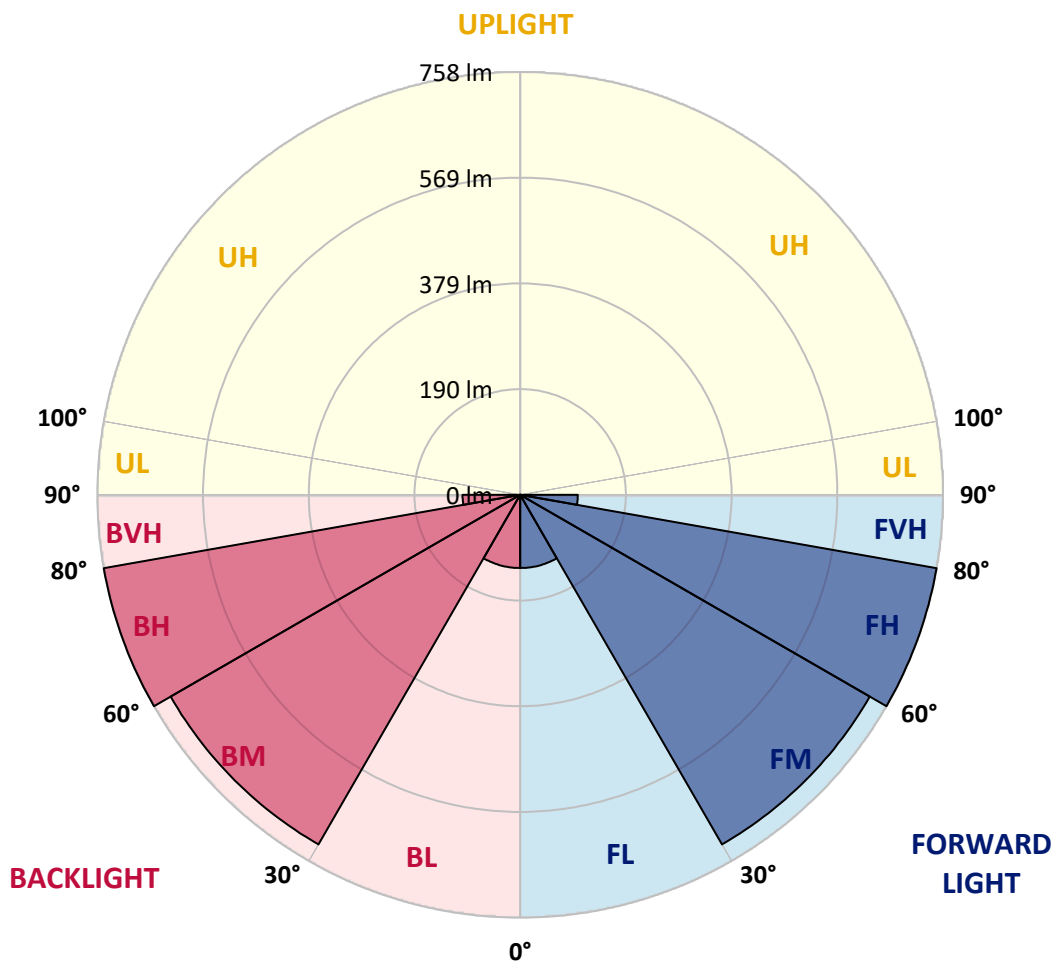
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.3	3.8			
FM	(30°-60°)	723.7	21.1			
FH	(60°-80°)	758.0	22.1			G1/1800
FVH	(80°-90°)	103.3	3.0			G2/225
BL	(0°-30°)	131.3	3.8	B1/500		
BM	(30°-60°)	723.7	21.1	B1/1000		
BH	(60°-80°)	758.0	22.1	B2/1000		G1/1800
BVH	(80°-90°)	103.3	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°	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4
2.5°	244.6	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.6
5°	248.8	248.8	248.2	247.6	247.6	247.0	247.0	247.0	247.6	248.2	248.2
7.5°	250.5	249.9	249.9	249.3	248.8	248.8	248.2	248.8	249.3	249.9	249.9
10°	254.1	254.7	255.3	255.9	256.5	255.9	254.7	255.9	255.9	255.3	254.1
12.5°	262.4	262.4	264.2	266.0	266.0	265.4	263.6	266.0	265.4	263.6	262.4
15°	273.7	274.3	274.3	276.1	274.9	273.7	271.9	274.9	274.9	273.7	273.1
17.5°	289.7	288.5	286.7	287.9	289.1	289.1	285.6	289.1	286.7	285.6	287.3
20°	307.5	306.9	306.3	307.5	312.3	310.5	308.7	311.1	308.1	304.0	305.1
22.5°	321.2	322.4	324.1	325.9	330.7	329.5	325.9	330.1	325.3	324.1	320.6
25°	338.4	337.8	342.6	342.6	345.5	343.7	339.6	345.5	340.8	342.6	337.2
27.5°	355.6	355.0	358.6	358.6	363.9	363.3	358.0	363.9	358.6	357.4	355.6
30°	375.2	374.0	374.6	379.4	387.1	387.1	382.3	385.3	379.4	373.4	372.8
32.5°	396.0	393.6	397.2	404.9	409.0	407.9	403.1	407.9	406.1	396.0	393.6
35°	416.2	419.1	425.7	432.2	439.9	441.1	436.9	439.3	432.8	425.1	419.1
37.5°	450.0	454.8	463.1	478.5	490.4	493.9	490.4	489.2	479.7	462.5	454.2
40°	497.5	498.7	510.0	533.1	545.6	548.0	541.4	543.2	531.9	512.9	495.1
42.5°	536.1	534.3	554.5	575.3	588.3	593.7	586.6	588.9	573.5	555.1	535.5
45°	567.6	569.3	590.1	610.9	631.7	641.8	636.4	632.3	609.7	588.9	571.7
47.5°	596.6	605.0	619.2	649.5	675.6	686.9	682.7	676.8	653.0	618.6	605.6
50°	633.5	638.8	656.0	695.2	719.5	723.7	720.1	720.1	697.6	657.8	640.0
52.5°	673.2	673.8	699.4	739.7	770.6	787.2	784.2	775.9	740.3	705.3	676.2
55°	720.7	714.2	754.0	796.1	842.4	869.7	868.5	850.7	802.1	755.8	717.2
57.5°	747.4	748.6	784.8	848.4	892.9	900.6	904.8	894.1	857.3	786.0	755.8
60°	753.4	767.6	800.9	870.9	906.0	928.5	929.7	911.9	873.3	805.6	773.6
62.5°	755.8	773.0	813.9	869.7	929.1	951.1	955.2	936.8	874.5	815.7	768.8
65°	759.3	761.7	815.1	883.4	932.1	951.1	955.8	936.8	886.4	811.6	759.9
67.5°	744.5	738.5	785.4	859.6	907.1	929.7	935.0	912.5	861.4	786.6	746.3
70°	691.0	693.4	745.7	816.3	868.5	889.9	893.5	869.1	815.7	751.0	704.1
72.5°	634.6	640.6	684.5	755.8	802.7	823.4	830.0	804.4	759.3	692.8	644.1
75°	556.3	567.6	609.7	673.8	720.7	752.2	758.7	725.5	671.4	613.9	567.0
77.5°	469.6	477.3	517.7	572.9	623.4	639.4	645.3	629.3	575.9	524.8	480.9
80°	369.3	372.2	413.2	457.1	496.3	509.4	518.3	498.1	461.9	415.6	372.8
82.5°	253.5	257.7	286.7	327.1	361.5	366.9	378.2	361.5	327.7	292.1	260.0
85°	131.8	137.7	160.3	182.3	209.0	215.5	219.1	206.6	188.8	159.7	138.3
87.5°	28.5	31.5	35.0	45.1	54.0	61.7	67.1	55.8	44.5	37.4	28.5
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°	240.4
2.5°	244.0
5°	248.2
7.5°	249.9
10°	254.1
12.5°	261.8
15°	273.7
17.5°	288.5
20°	304.6
22.5°	318.8
25°	336.0
27.5°	355.6
30°	375.8
32.5°	392.4
35°	415.6
37.5°	453.6
40°	499.3
42.5°	536.1
45°	566.4
47.5°	600.2
50°	634.0
52.5°	677.4
55°	720.1
57.5°	742.1
60°	755.8
62.5°	766.4
65°	767.6
67.5°	736.8
70°	689.9
72.5°	636.4
75°	558.1
77.5°	475.5
80°	369.3
82.5°	259.4
85°	136.0
87.5°	26.7
90°	0.0

(END OF REPORT)