

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: STREETWORKS

Report Number: P156944

Luminaire Tested: **UTLD-F01-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156944
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33665)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F01-LED-E-U-5WQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2130.4 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

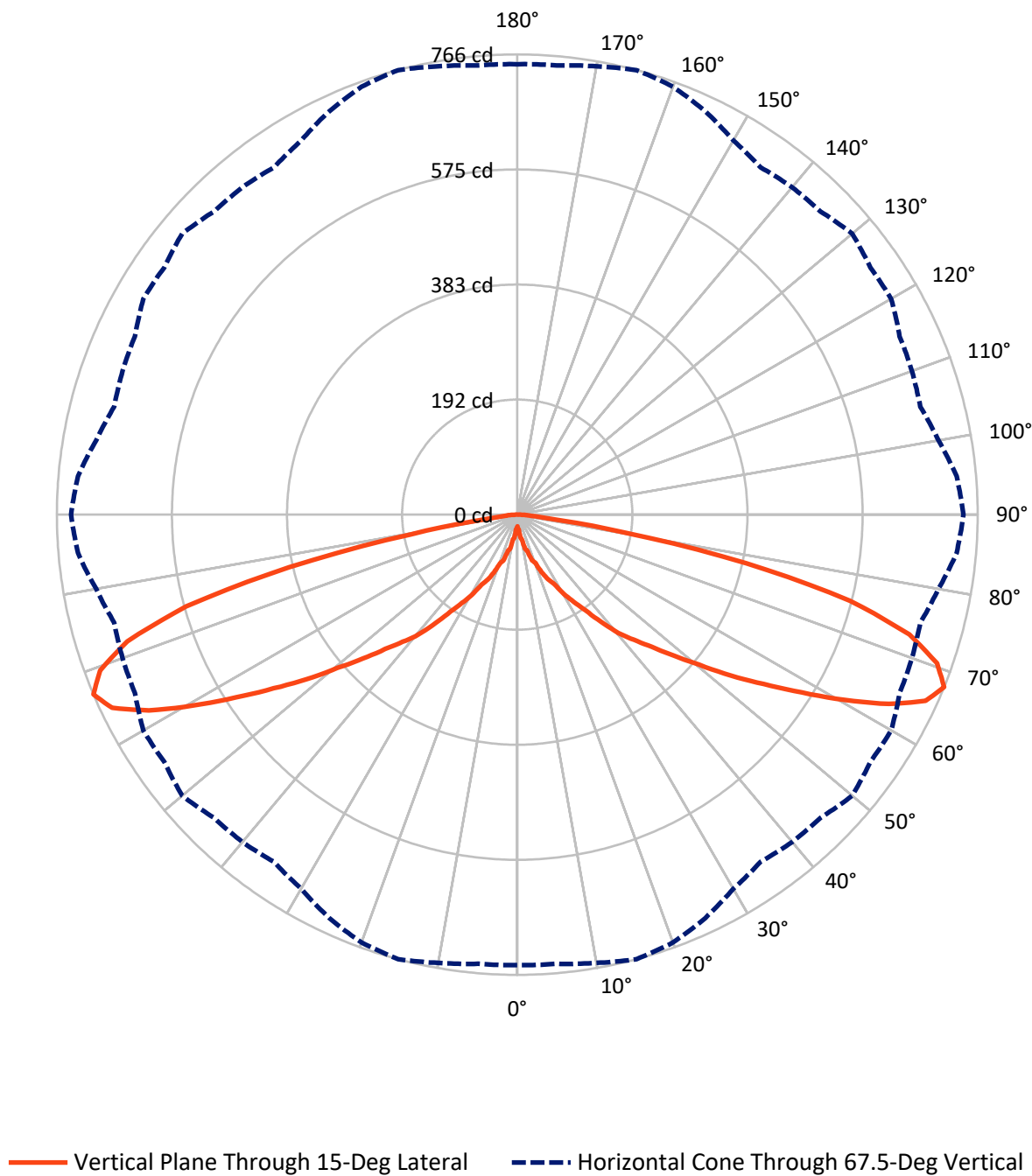
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Luminous Intensity Polar Plot



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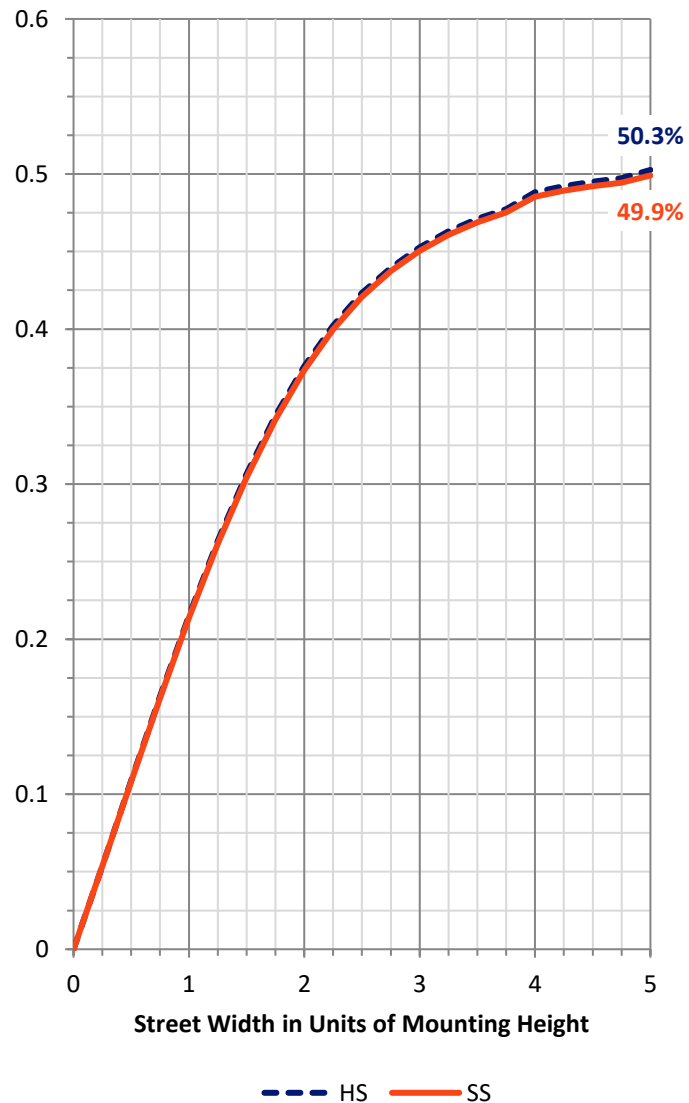
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1065.2	0.0	1065.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1065.2	0.0	1065.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2130.4	0.0	2130.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	17.6	0.8
20°-30°	58.3	2.7
30°-40°	126.1	5.9
40°-50°	235.9	11.1
50°-60°	427.9	20.1
60°-70°	676.9	31.8
70°-80°	532.2	25.0
80°-90°	52.6	2.5
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°	2130.4	100.0
0°-180°	2130.4	100.0

Coefficient of Utilization



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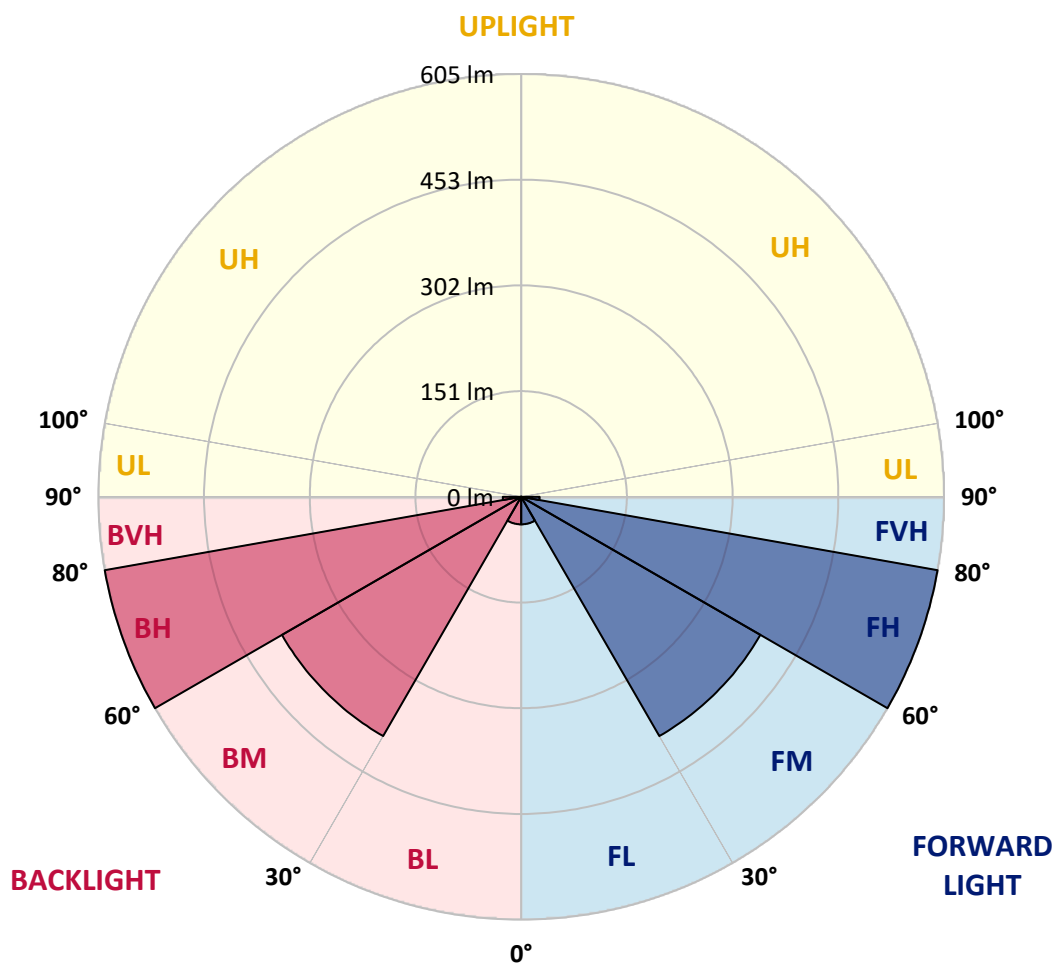
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	39.4	1.8			
FM	(30°-60°)	394.9	18.5			
FH	(60°-80°)	604.6	28.4			G0/660
FVH	(80°-90°)	26.3	1.2			G1/100
BL	(0°-30°)	39.4	1.8	B0/110		
BM	(30°-60°)	394.9	18.5	B1/1000		
BH	(60°-80°)	604.6	28.4	B2/1000		G0/660
BVH	(80°-90°)	26.3	1.2			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
2.5°	30.7	30.6	30.6	30.6	31.0	30.1	28.6	27.6	27.0	26.8	26.2
5°	24.4	24.2	24.2	24.3	24.2	24.5	24.4	25.1	25.0	26.7	28.9
7.5°	39.0	39.2	39.1	38.7	37.7	35.0	32.9	31.2	26.2	25.5	24.8
10°	42.2	42.2	42.2	41.5	41.6	41.6	41.3	40.5	40.0	38.8	33.0
12.5°	58.4	58.6	58.7	58.4	57.1	51.4	49.8	44.4	43.2	50.6	52.2
15°	63.2	63.4	63.2	62.2	61.8	61.2	60.2	64.6	66.1	60.4	56.1
17.5°	80.9	81.2	80.8	80.1	78.5	73.6	75.1	73.7	72.9	71.6	75.8
20°	93.1	93.7	89.4	85.7	83.3	87.1	91.6	89.7	84.7	85.3	87.8
22.5°	106.3	106.3	106.0	104.0	104.0	109.0	100.6	99.0	105.1	97.8	95.1
25°	128.4	127.8	126.6	119.0	116.6	116.0	114.4	117.9	113.1	122.7	128.4
27.5°	136.4	135.9	133.1	130.7	136.8	134.9	132.5	123.6	142.2	133.1	136.1
30°	157.6	157.6	155.1	153.5	155.0	146.0	143.0	153.5	150.5	151.7	165.3
32.5°	185.1	185.3	182.1	173.1	164.9	166.6	165.1	165.9	170.6	169.4	177.2
35°	215.4	207.8	202.6	195.8	191.2	189.2	186.4	180.5	187.4	185.9	194.0
37.5°	233.2	233.9	229.7	225.8	222.7	209.5	203.9	206.2	206.5	202.6	216.8
40°	269.8	270.1	263.9	259.3	254.4	237.6	228.6	226.3	226.9	227.4	237.4
42.5°	293.9	293.9	289.0	284.8	276.4	265.3	256.1	251.5	252.5	251.4	262.1
45°	322.4	322.9	319.0	313.8	304.7	298.4	284.7	281.5	281.9	280.1	292.0
47.5°	358.5	358.4	356.9	351.2	343.6	332.7	323.2	315.3	316.1	315.0	327.3
50°	401.0	400.9	400.0	392.8	388.3	376.7	364.4	354.6	354.1	354.2	368.2
52.5°	448.2	448.8	450.2	445.2	438.6	422.5	407.7	397.5	396.9	397.9	414.4
55°	501.0	503.7	503.3	497.7	493.5	475.5	455.8	446.1	443.4	445.5	461.9
57.5°	560.2	561.6	563.0	558.7	548.3	532.2	505.4	497.4	493.1	497.4	514.6
60°	625.8	628.9	628.6	626.5	614.7	597.0	560.4	552.8	550.4	552.4	571.4
62.5°	694.8	694.9	698.9	694.4	683.1	665.5	623.9	610.6	607.0	608.8	629.1
65°	743.0	743.6	748.0	747.0	738.3	719.4	688.8	666.6	666.9	669.1	687.9
67.5°	750.0	750.7	757.9	766.3	758.1	740.9	719.3	705.8	711.6	713.8	727.9
70°	722.0	723.4	732.0	741.1	739.4	726.3	707.1	702.4	708.1	712.9	726.2
72.5°	666.9	667.7	674.1	682.4	675.8	664.4	642.4	650.3	649.4	655.8	668.9
75°	566.0	563.4	569.9	572.1	560.9	549.1	531.0	543.9	538.4	543.7	550.4
77.5°	380.3	377.8	380.3	389.6	381.7	380.6	375.9	390.3	392.6	396.0	396.5
80°	147.0	152.2	165.5	180.3	184.5	195.8	204.8	221.3	232.3	241.4	236.8
82.5°	29.0	31.8	38.6	46.8	56.0	67.3	81.0	95.0	108.7	115.8	110.2
85°	10.6	12.8	16.1	18.9	20.0	21.5	24.0	29.0	33.8	34.7	35.1
87.5°	2.8	4.9	9.1	12.4	12.4	11.2	11.9	12.4	11.0	8.7	11.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
2.5°	25.5	23.6	21.6	20.6	20.2	19.9	19.6	19.4
5°	29.4	30.6	29.2	26.9	23.5	21.7	20.4	20.0
7.5°	25.1	25.0	28.9	30.3	26.8	24.0	21.2	20.8
10°	28.3	31.0	33.7	36.8	41.7	37.7	31.8	30.7
12.5°	51.4	43.6	37.4	37.4	42.4	42.9	34.4	33.4
15°	54.6	54.8	57.3	52.0	51.0	55.3	49.4	47.5
17.5°	69.1	68.2	66.4	58.6	54.7	56.1	56.8	54.9
20°	80.3	76.2	94.9	96.7	88.3	88.6	87.2	85.6
22.5°	110.7	111.6	104.8	104.6	98.2	109.3	120.4	115.6
25°	117.0	123.0	143.5	140.2	136.3	130.5	133.5	126.6
27.5°	152.3	148.5	152.5	148.5	159.2	153.9	150.7	149.1
30°	160.0	166.9	171.0	167.8	168.6	167.8	162.4	165.2
32.5°	183.0	179.9	186.2	191.2	194.6	195.4	186.1	191.5
35°	198.3	206.3	205.7	203.9	205.5	208.5	203.6	203.8
37.5°	219.4	221.4	219.8	219.3	220.2	221.8	222.6	219.8
40°	238.7	240.2	238.9	240.6	241.9	242.7	249.1	239.2
42.5°	265.9	263.8	265.6	267.8	267.4	267.3	273.1	267.8
45°	296.4	296.0	294.5	296.0	299.7	294.2	303.5	302.0
47.5°	331.8	331.8	329.4	330.8	336.8	332.6	340.7	343.2
50°	373.0	374.1	367.3	371.0	372.6	373.5	381.3	388.3
52.5°	419.1	420.1	410.6	412.8	411.7	418.8	427.4	438.3
55°	469.3	467.6	455.9	459.8	460.3	472.7	478.0	495.8
57.5°	519.2	518.7	510.6	510.5	517.8	530.7	535.1	555.2
60°	574.2	574.4	564.3	566.6	573.3	586.0	602.7	619.4
62.5°	631.2	635.4	626.8	620.2	627.6	643.9	669.2	682.0
65°	682.2	690.8	676.7	676.6	668.2	695.0	714.6	730.4
67.5°	717.4	718.6	702.2	699.0	694.5	711.8	734.0	742.6
70°	717.4	705.9	689.9	687.6	680.0	686.7	713.6	718.8
72.5°	660.4	648.0	626.1	629.9	621.3	630.7	652.0	654.4
75°	541.8	525.1	510.2	516.2	511.5	528.6	546.9	542.8
77.5°	386.3	365.8	346.4	346.2	346.6	350.9	363.6	357.8
80°	222.9	203.3	184.5	173.0	161.1	151.5	145.8	138.4
82.5°	98.1	79.0	64.5	52.0	44.2	35.8	31.4	27.0
85°	31.0	25.3	21.7	19.8	18.1	17.0	14.7	12.6
87.5°	14.0	13.6	12.8	13.2	13.2	11.4	7.9	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)