

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: P240092

Luminaire Tested: **UTLD-AF24-30-D-U-5WQ-FP-7030**

Issue Date: 5/28/2020

Test Information

Test Method: LM-79-08
Report Number: P240092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-388-24)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/28/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-AF24-30-D-U-5WQ-FP-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2899.7 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

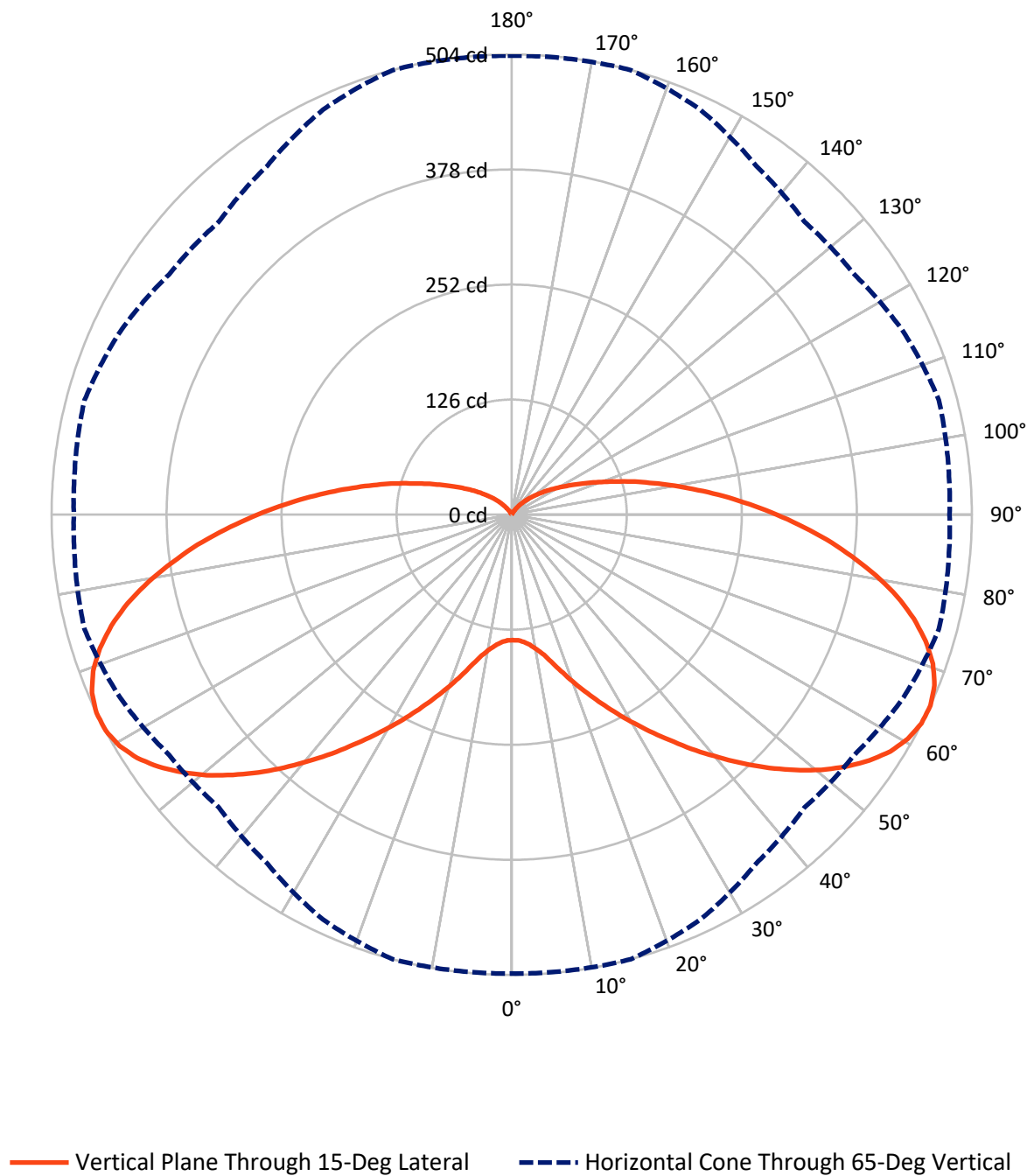
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Luminous Intensity Polar Plot



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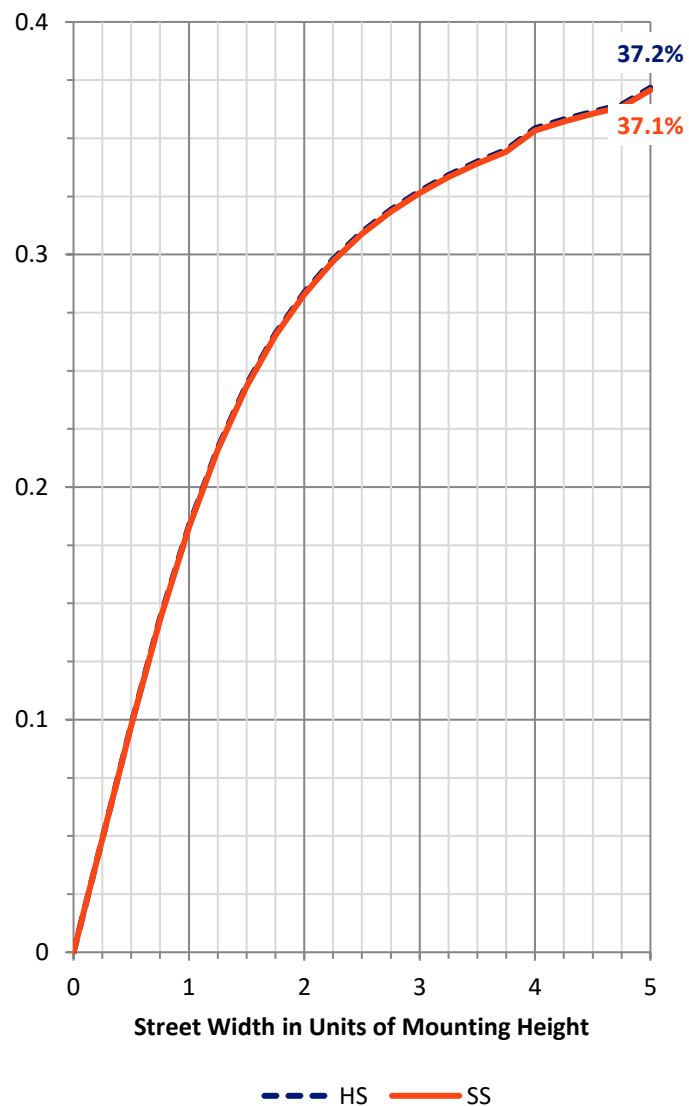
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1179.8	270.0	1449.9
	% Fixture	40.7	9.3	50.0
Street Side	Lumens	1179.8	270.0	1449.9
	% Fixture	40.7	9.3	50.0
Total	Lumens	2359.7	540.1	2899.7
	% Fixture	81.4	18.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.5
10°-20°	48.5	1.7
20°-30°	106.1	3.7
30°-40°	191.1	6.6
40°-50°	298.9	10.3
50°-60°	407.1	14.0
60°-70°	472.5	16.3
70°-80°	456.5	15.7
80°-90°	365.3	12.6
90°-100°	248.9	8.6
100°-110°	150.1	5.2
110°-120°	81.9	2.8
120°-130°	39.7	1.4
130°-140°	15.5	0.5
140°-150°	3.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2359.7	81.4
0°-180°	2899.7	100.0

Coefficient of Utilization



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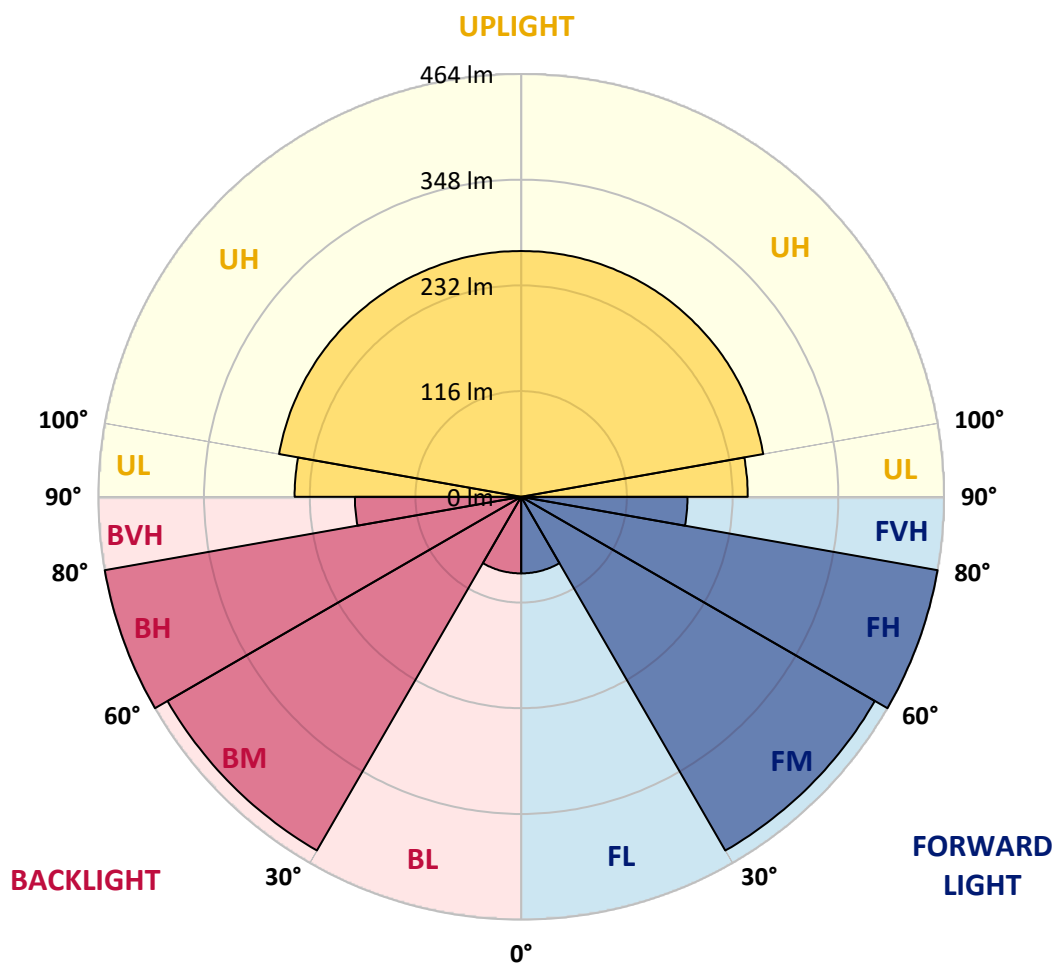
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	84.1	2.9			
FM	(30°-60°)	448.6	15.5			
FH	(60°-80°)	464.5	16.0			G0/660
FVH	(80°-90°)	182.7	6.3			G2/225
BL	(0°-30°)	84.1	2.9	B0/110		
BM	(30°-60°)	448.6	15.5	B1/1000		
BH	(60°-80°)	464.5	16.0	B1/500		G0/660
BVH	(80°-90°)	182.7	6.3			G2/225
UL	(90°-100°)	248.9	8.6		U3/500	
UH	(100°-180°)	270.0	9.3		U3/500	

BUG Rating: B1-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5
2.5°	138.2	138.2	137.8	137.8	137.8	137.8	137.8	138.2	137.8	138.2	138.2
5°	140.1	140.4	140.1	140.1	140.4	140.1	140.1	140.4	140.1	140.1	140.1
7.5°	144.4	144.4	144.1	144.1	144.1	143.6	143.6	144.1	143.6	143.6	143.6
10°	150.2	150.2	149.9	149.9	149.5	149.1	149.1	149.1	149.5	149.5	149.5
12.5°	157.9	158.3	157.6	157.3	156.8	156.5	156.5	156.5	156.5	156.8	156.5
15°	169.6	169.6	168.8	167.3	166.3	165.8	165.2	165.8	166.6	166.9	167.7
17.5°	183.8	183.0	182.3	180.9	178.6	176.5	177.5	178.6	179.7	180.1	180.1
20°	198.3	198.3	197.2	195.0	193.2	191.4	191.7	192.6	193.2	193.9	193.6
22.5°	213.2	213.9	212.5	211.0	209.6	209.2	207.4	207.4	207.7	208.4	208.4
25°	231.1	230.3	229.2	227.8	227.4	227.4	224.8	223.4	223.8	224.1	224.1
27.5°	249.2	248.4	247.0	245.7	246.0	245.2	243.4	240.8	239.8	240.8	240.2
30°	267.3	267.0	265.6	264.5	265.3	264.5	262.3	258.3	257.7	258.0	258.3
32.5°	286.7	287.1	285.2	284.8	285.2	283.4	281.6	278.7	276.1	277.2	277.2
35°	308.1	308.1	305.6	305.9	304.9	303.0	300.9	298.8	296.2	297.3	296.5
37.5°	330.0	329.6	327.8	327.4	325.3	321.7	320.5	319.5	316.6	317.3	317.6
40°	353.2	352.2	349.6	349.3	344.9	340.9	340.2	340.2	336.9	338.7	339.0
42.5°	375.9	375.1	372.9	371.2	364.6	359.8	358.7	361.3	359.1	360.2	360.2
45°	398.4	396.6	395.8	392.6	383.8	377.6	378.0	381.4	381.7	381.7	380.9
47.5°	419.9	419.4	418.0	411.8	402.1	395.1	395.8	401.0	402.7	402.4	402.7
50°	441.0	439.9	439.6	431.5	418.4	410.4	412.2	418.8	422.8	421.6	422.1
52.5°	461.0	459.1	458.5	448.9	433.6	424.6	426.4	435.8	440.7	440.2	440.2
55°	476.6	476.0	475.5	464.0	446.5	436.6	439.1	449.7	456.9	455.5	455.2
57.5°	489.7	488.9	489.4	476.0	456.6	445.3	448.6	461.7	470.1	467.8	467.8
60°	499.2	498.4	498.8	484.6	464.0	451.5	455.5	469.4	479.2	476.6	476.3
62.5°	503.5	503.1	503.9	488.9	467.2	454.4	458.8	473.7	484.2	481.0	480.3
65°	502.8	503.1	504.2	489.4	466.7	453.7	458.5	473.7	484.6	481.0	479.8
67.5°	497.0	498.1	499.6	485.0	462.3	449.7	454.1	469.4	480.3	476.3	474.4
70°	486.1	487.2	489.7	476.0	454.4	441.7	445.7	460.6	470.5	465.7	463.5
72.5°	468.9	471.6	474.4	462.3	442.1	430.1	434.1	447.9	456.9	450.8	448.2
75°	447.5	451.1	455.2	445.0	426.0	415.0	419.1	431.5	437.7	431.9	427.1
77.5°	423.5	427.1	431.9	423.5	406.8	397.2	399.9	410.0	415.5	408.2	404.6
80°	394.4	398.4	405.0	399.5	386.0	376.5	379.4	386.8	389.3	381.7	377.0
82.5°	365.7	369.3	375.5	373.3	361.9	354.3	355.8	361.3	362.4	353.2	349.3
85°	334.8	338.0	346.1	345.6	337.3	331.0	332.1	335.4	332.9	323.1	318.7
87.5°	303.7	305.6	314.6	316.2	311.8	307.4	307.0	307.0	303.4	293.6	290.3
90°	273.5	275.5	284.2	288.9	286.4	282.7	282.0	280.5	273.2	264.2	262.0
92.5°	244.5	245.2	255.0	261.5	260.9	258.3	257.2	254.3	246.0	235.4	234.0
95°	217.2	218.0	227.4	234.7	236.4	235.8	233.6	229.6	218.6	208.1	207.7
97.5°	192.1	191.7	200.8	209.9	213.6	213.6	210.4	204.9	194.3	183.8	183.3
100°	169.2	168.5	176.8	187.7	191.7	192.6	189.6	182.3	170.2	161.9	162.2
102.5°	148.5	147.7	155.0	165.5	171.3	172.8	169.6	160.8	149.5	141.9	142.2
105°	130.2	129.5	135.7	145.9	152.4	153.9	150.2	141.9	129.5	124.1	124.8
107.5°	113.2	112.7	117.1	127.3	134.6	136.8	133.2	124.1	112.4	108.3	108.8
110°	99.7	99.3	101.5	111.0	119.0	121.2	116.8	107.3	97.5	94.9	95.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	87.7	86.7	88.1	96.3	103.7	106.2	101.8	92.0	84.4	83.4	83.7
115°	76.4	76.4	76.1	82.6	90.2	92.5	88.1	79.3	73.1	72.7	72.7
117.5°	67.3	66.5	66.2	70.3	77.1	79.6	75.7	67.6	63.7	64.0	64.4
120°	58.6	58.6	57.5	59.3	65.4	67.3	64.0	57.8	55.2	56.0	56.4
122.5°	51.4	51.0	49.8	50.3	54.5	56.7	53.4	48.7	48.1	49.5	49.5
125°	44.4	44.0	42.9	42.2	44.4	46.2	44.0	41.1	41.5	42.9	43.2
127.5°	38.2	37.8	36.4	35.0	36.0	37.1	35.6	34.2	36.0	37.1	37.4
130°	32.8	32.3	30.9	28.7	28.4	29.1	28.0	28.4	30.6	32.3	32.3
132.5°	27.7	27.7	25.7	23.3	21.9	21.9	21.9	23.3	25.7	27.4	27.7
135°	23.0	23.0	21.5	18.6	16.1	15.7	16.1	18.6	21.5	22.5	23.0
137.5°	18.9	18.6	17.2	14.5	11.3	10.6	11.3	14.2	17.2	18.6	18.6
140°	15.0	14.5	13.1	10.9	7.9	6.5	7.9	10.6	13.1	14.5	14.5
142.5°	10.9	10.9	9.5	7.6	5.1	4.1	5.1	7.6	9.9	10.6	10.9
145°	7.6	7.6	6.5	4.7	2.9	2.1	2.9	5.1	6.5	7.6	7.6
147.5°	5.1	5.1	4.4	2.9	1.8	1.1	1.8	3.3	4.4	5.1	5.1
150°	2.9	2.9	2.5	1.8	0.8	0.3	0.8	1.8	2.5	2.9	2.9
152.5°	1.4	1.4	1.1	0.8	0.3	0.3	0.3	0.8	1.4	1.4	1.8
155°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.3	0.8	0.8	0.8
157.5°	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)