

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: P691815

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T5R-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

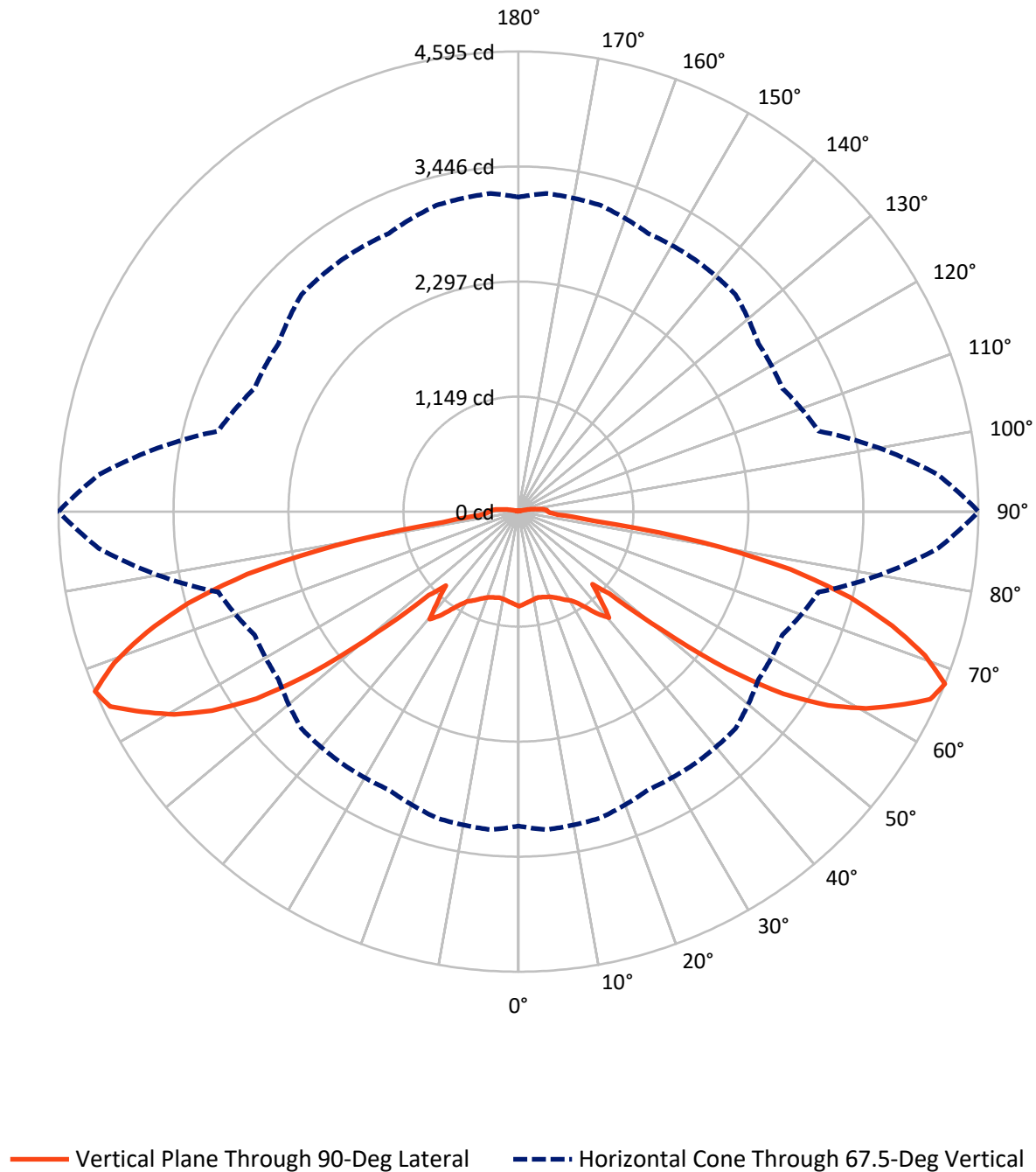
Lumens per Lamp: N/A
Luminaire Lumens: 10269 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G3

Input Watts (W): 74.9
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: 24 FT



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Luminous Intensity Polar Plot



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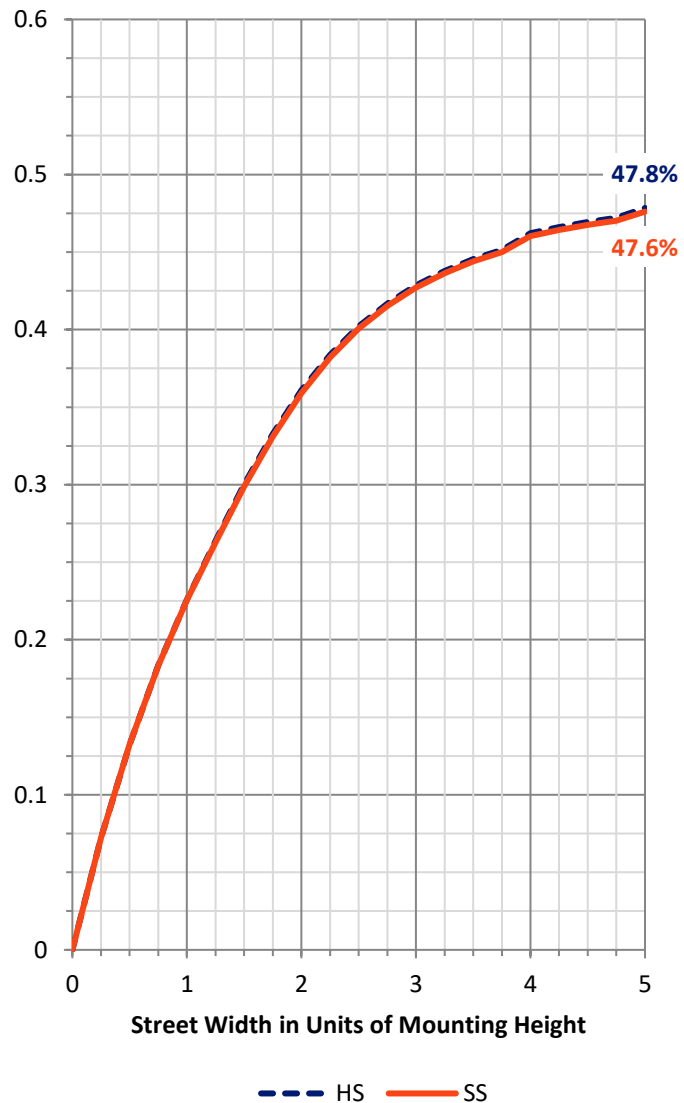
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4985.8	148.7	5134.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	4985.8	148.7	5134.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	9971.5	297.4	10269.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	0.8
10°-20°	243.7	2.4
20°-30°	431.4	4.2
30°-40°	727.7	7.1
40°-50°	815.6	7.9
50°-60°	1688.6	16.4
60°-70°	2972.1	28.9
70°-80°	2456.1	23.9
80°-90°	551.0	5.4
90°-100°	210.6	2.1
100°-110°	59.6	0.6
110°-120°	18.2	0.2
120°-130°	8.3	0.1
130°-140°	0.7	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°	9971.5	97.1
0°-180°	10269.0	100.0

Coefficient of Utilization



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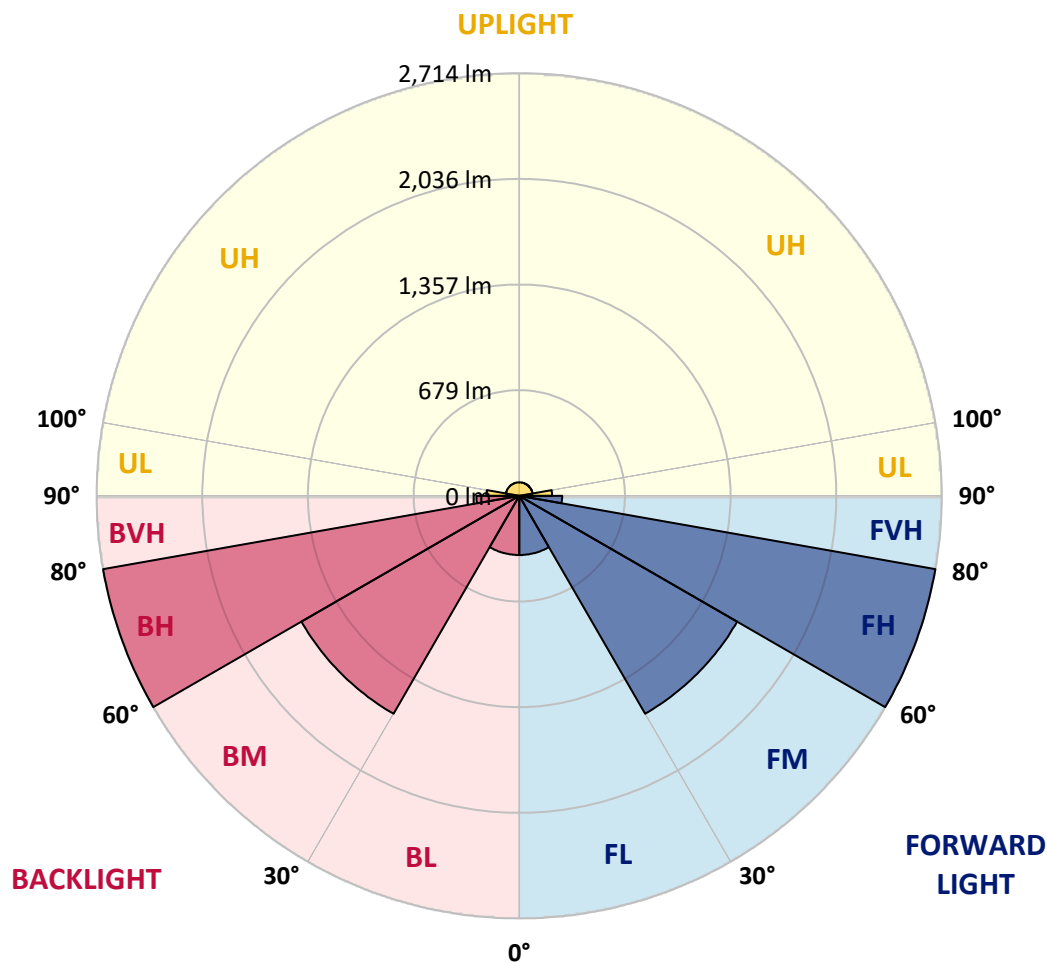
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	380.3	3.7			
FM	(30°-60°)	1616.0	15.7			
FH	(60°-80°)	2714.1	26.4			G2/5000
FVH	(80°-90°)	275.5	2.7			G3/500
BL	(0°-30°)	380.3	3.7	B1/500		
BM	(30°-60°)	1616.0	15.7	B2/2500		
BH	(60°-80°)	2714.1	26.4	B4/5000		G2/5000
BVH	(80°-90°)	275.5	2.7			G3/500
UL	(90°-100°)	210.6	2.1		U3/500	
UH	(100°-180°)	86.8	0.8		U3/500	

BUG Rating: B4-U3-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9
2.5°	935.2	935.2	928.7	925.5	928.7	932.0	935.2	935.2	932.0	928.7	928.7
5°	919.0	915.7	912.5	909.2	909.2	915.7	915.7	919.0	915.7	912.5	912.5
7.5°	876.8	876.8	873.5	870.3	876.8	883.2	893.0	896.2	899.5	899.5	899.5
10°	847.5	847.5	844.3	844.3	850.8	860.5	870.3	880.0	883.2	886.5	886.5
12.5°	831.3	831.3	831.3	828.0	837.8	847.5	863.8	870.3	876.8	880.0	880.0
15°	831.3	828.0	828.0	831.3	837.8	850.8	863.8	876.8	883.2	886.5	886.5
17.5°	837.8	834.5	834.5	834.5	844.3	857.3	873.5	883.2	893.0	896.2	896.2
20°	847.5	847.5	847.5	847.5	854.0	870.3	886.5	896.2	906.0	909.2	909.2
22.5°	873.5	873.5	870.3	867.0	873.5	886.5	906.0	915.7	925.5	932.0	932.0
25°	906.0	902.7	902.7	899.5	899.5	912.5	928.7	941.7	954.7	961.2	961.2
27.5°	944.9	941.7	941.7	935.2	935.2	951.4	964.4	977.4	990.4	996.9	996.9
30°	987.2	990.4	983.9	980.7	977.4	990.4	1003.4	1013.1	1022.9	1029.4	1029.4
32.5°	1055.4	1055.4	1048.9	1045.6	1042.4	1052.1	1058.6	1065.1	1074.8	1087.8	1091.1
35°	1139.8	1136.5	1136.5	1136.5	1136.5	1143.0	1149.5	1146.3	1165.8	1178.7	1185.2
37.5°	1250.2	1253.4	1246.9	1240.4	1237.2	1243.7	1250.2	1259.9	1279.4	1295.6	1298.9
40°	1230.7	1224.2	1230.7	1243.7	1246.9	1276.2	1305.4	1328.1	1360.6	1389.8	1393.1
42.5°	1104.1	1113.8	1123.5	1123.5	1120.3	1120.3	1123.5	1126.8	1159.3	1201.5	1201.5
45°	906.0	912.5	925.5	919.0	889.7	876.8	883.2	893.0	928.7	1032.6	1035.9
47.5°	961.2	974.2	987.2	948.2	912.5	857.3	850.8	844.3	886.5	1175.5	1224.2
50°	1133.3	1133.3	1149.5	1117.1	1104.1	1071.6	1052.1	1058.6	1149.5	1750.3	1857.4
52.5°	1474.2	1467.8	1506.7	1467.8	1454.8	1386.6	1311.9	1350.9	1445.0	2393.2	2614.0
55°	1789.2	1795.7	1834.7	1795.7	1760.0	1698.3	1597.6	1665.8	1792.5	2899.8	3214.8
57.5°	2130.2	2139.9	2185.4	2110.7	2039.3	2006.8	1912.6	1984.1	2123.7	3227.8	3649.9
60°	2484.1	2493.9	2516.6	2422.4	2357.5	2341.3	2234.1	2312.0	2480.9	3516.8	3990.9
62.5°	2821.9	2831.6	2818.6	2727.7	2688.7	2692.0	2588.1	2643.3	2825.1	3854.5	4257.1
65°	3036.2	3078.4	3068.6	2968.0	2955.0	2968.0	2857.6	2864.1	3052.4	4117.5	4520.2
67.5°	3140.1	3188.8	3166.1	3065.4	3071.9	3065.4	2925.8	2909.5	3104.4	4208.4	4594.8
70°	3036.2	3036.2	3019.9	2932.3	2929.0	2903.0	2799.1	2773.1	2925.8	3958.4	4309.1
72.5°	2782.9	2782.9	2769.9	2669.2	2649.7	2630.3	2568.6	2523.1	2656.2	3555.7	3906.4
75°	2415.9	2445.2	2428.9	2328.3	2305.5	2292.6	2250.3	2204.9	2325.0	3127.1	3422.6
77.5°	1932.1	1964.6	1945.1	1870.4	1850.9	1857.4	1828.2	1802.2	1889.9	2506.9	2779.6
80°	1295.6	1324.9	1289.2	1253.4	1224.2	1253.4	1240.4	1227.5	1276.2	1597.6	1870.4
82.5°	584.5	591.0	591.0	555.3	532.5	578.0	584.5	594.2	623.5	694.9	763.1
85°	357.2	360.4	353.9	344.2	331.2	341.0	337.7	344.2	357.2	379.9	392.9
87.5°	305.2	305.2	305.2	295.5	285.8	285.8	282.5	285.8	289.0	308.5	315.0
90°	269.5	269.5	269.5	263.0	256.5	256.5	259.8	256.5	263.0	282.5	292.3
92.5°	227.3	230.6	237.0	237.0	237.0	240.3	240.3	240.3	243.5	272.8	282.5
95°	168.9	165.6	178.6	188.3	191.6	198.1	198.1	198.1	204.6	230.6	240.3
97.5°	123.4	123.4	129.9	136.4	142.9	149.4	152.6	152.6	159.1	178.6	181.8
100°	87.7	87.7	94.2	100.7	103.9	113.7	116.9	116.9	116.9	129.9	129.9
102.5°	64.9	61.7	68.2	71.4	74.7	77.9	81.2	81.2	81.2	84.4	84.4
105°	39.0	39.0	42.2	45.5	48.7	48.7	52.0	52.0	48.7	48.7	48.7
107.5°	26.0	26.0	29.2	32.5	32.5	35.7	35.7	35.7	35.7	35.7	35.7
110°	19.5	19.5	22.7	26.0	26.0	29.2	29.2	29.2	29.2	26.0	26.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.2	16.2	19.5	19.5	22.7	22.7	22.7	22.7	22.7	22.7	22.7
115°	13.0	13.0	16.2	16.2	16.2	19.5	19.5	19.5	19.5	19.5	19.5
117.5°	9.7	9.7	13.0	13.0	16.2	16.2	16.2	16.2	16.2	16.2	16.2
120°	9.7	9.7	9.7	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
122.5°	6.5	6.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7	13.0	13.0
125°	6.5	6.5	6.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
127.5°	6.5	6.5	6.5	6.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7
130°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	9.7	9.7
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)