

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: CORELITE

Report Number: P520698

Luminaire Tested: **8WSLA-150-L950-UPL8-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520698  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 8WSLA-150-L950-UPL8-UNV-U  
Description: 8 FOOT, 3000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI  
LEDS WITH 8% UPLIGHT  
Light Source: -  
Ballast/Driver: -

**Summary**

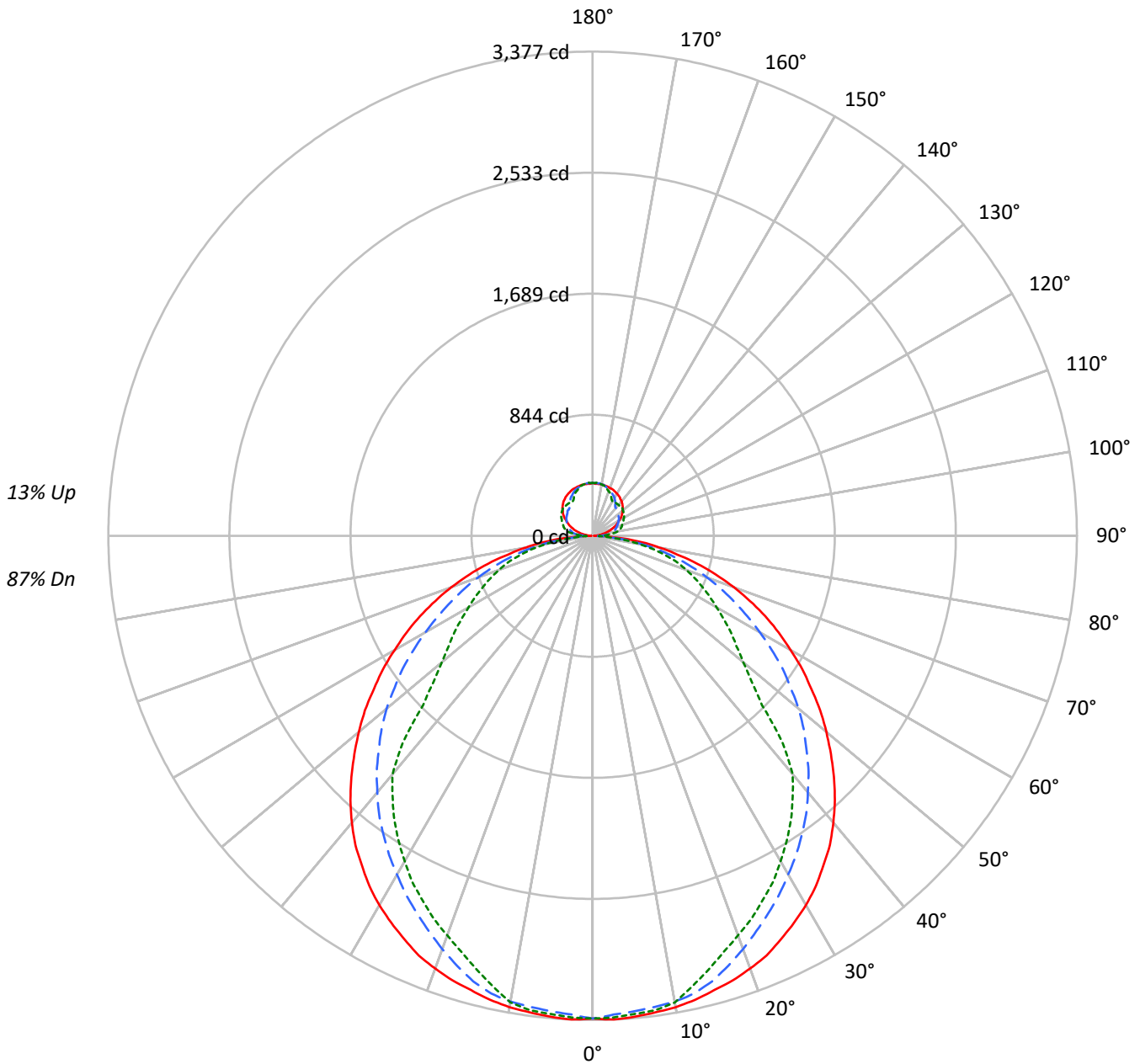
Lumens per Lamp: N/A  
Luminaire Lumens: 10480.0 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33  
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 93.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87																			
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73																			
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61																			
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51																			
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44																			
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38																			
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33																			
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30																			
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	9062	9062	9062
5°	9096	8992	9044
10°	9122	9016	9030
15°	9139	8963	8720
20°	9199	8783	8492
25°	9222	8617	8330
30°	9244	8476	8145
35°	9216	8357	7927
40°	9174	8204	7625
45°	9054	8021	6361
50°	8905	7850	5740
55°	8729	7592	5524
60°	8579	7249	5372
65°	8453	6942	5368
70°	8235	6671	5452
75°	7859	6347	5491
80°	7358	5706	5106
85°	6731	4039	3440



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.8	3.0
10°-20°	906.3	8.6
20°-30°	1354.3	12.9
30°-40°	1616.6	15.4
40°-50°	1616.7	15.4
50°-60°	1399.2	13.4
60°-70°	1074.0	10.2
70°-80°	658.1	6.3
80°-90°	185.2	1.8
90°-100°	104.7	1.0
100°-110°	166.2	1.6
110°-120°	194.3	1.9
120°-130°	209.8	2.0
130°-140°	206.7	2.0
140°-150°	182.8	1.7
150°-160°	150.5	1.4
160°-170°	100.7	1.0
170°-180°	35.1	0.3
0°-30°	2579.4	24.6
0°-40°	4196.0	40.0
0°-60°	7211.9	68.8
0°-90°	9129.2	87.1
90°-120°	465.2	4.4
90°-150°	1064.5	10.2
90°-180°	1351.0	12.9
0°-180°	10480.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3368	3368	3368	3368	3368	
5°	3368	3358	3329	3353	3348	320
15°	3280	3275	3217	3159	3130	928
25°	3106	3067	2902	2825	2805	1433
35°	2805	2733	2544	2452	2413	1757
45°	2379	2311	2108	1919	1672	1834
55°	1861	1817	1618	1294	1177	1668
65°	1328	1279	1090	877	843	1311
75°	756	717	610	528	528	797
85°	218	179	131	111	111	228
90°	10	34	53	68	73	15
95°	39	82	111	116	116	38
105°	111	116	165	194	204	117
115°	184	155	194	223	237	180
125°	247	199	223	257	266	220
135°	296	266	247	271	286	228
145°	330	315	276	271	281	206
155°	349	344	325	310	305	161
165°	359	363	354	354	354	102
175°	363	368	368	373	373	35
180°	368	368	368	368	368	



TEST NUMBER: P520698

CATALOG NUMBER: 8WSLA-150-L950-UPL8-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3367.5	3367.5	3367.5	3367.5	3367.5
2.5°	3377.2	3367.5	3343.2	3367.5	3362.6
5°	3367.5	3357.8	3328.7	3352.9	3348.1
7.5°	3352.9	3343.2	3314.2	3343.2	3338.4
10°	3338.4	3328.7	3299.6	3319.0	3304.5
12.5°	3314.2	3304.5	3270.6	3246.3	3217.3
15°	3280.3	3275.4	3217.3	3159.1	3130.1
17.5°	3251.2	3236.6	3144.6	3076.8	3042.8
20°	3212.4	3188.2	3067.1	2989.5	2965.3
22.5°	3168.8	3130.1	2984.7	2912.0	2892.6
25°	3105.8	3067.1	2902.3	2824.8	2805.4
27.5°	3042.8	2994.4	2820.0	2742.4	2723.0
30°	2975.0	2907.2	2727.9	2655.2	2621.3
32.5°	2897.5	2829.6	2640.7	2558.3	2519.5
35°	2805.4	2732.7	2543.8	2451.7	2413.0
37.5°	2718.2	2640.7	2446.9	2345.1	2291.8
40°	2611.6	2534.1	2335.4	2224.0	2170.7
42.5°	2500.2	2427.5	2228.8	2093.2	1962.3
45°	2379.0	2311.2	2107.7	1918.7	1671.6
47.5°	2253.1	2194.9	1996.3	1739.5	1502.0
50°	2127.1	2068.9	1875.1	1569.9	1371.2
52.5°	2001.1	1952.6	1739.5	1429.4	1264.6
55°	1860.6	1817.0	1618.3	1293.7	1177.4
57.5°	1734.6	1691.0	1477.8	1182.2	1085.3
60°	1594.1	1555.3	1347.0	1070.8	998.1
62.5°	1463.3	1419.7	1216.2	973.9	920.6
65°	1327.6	1279.2	1090.2	877.0	843.1
67.5°	1187.1	1138.6	969.1	789.8	770.4
70°	1046.6	1007.8	847.9	702.6	692.9
72.5°	901.2	857.6	726.8	620.2	620.2
75°	755.9	717.1	610.5	528.1	528.1
77.5°	605.7	586.3	489.4	431.2	436.1
80°	474.8	450.6	368.2	329.5	329.5
82.5°	348.9	319.8	247.1	218.0	227.7
85°	218.0	179.3	130.8	111.4	111.4
87.5°	67.8	53.3	38.8	43.6	43.6
90°	9.7	33.9	53.3	67.8	72.7
92.5°	24.2	63.0	77.5	92.1	96.9
95°	38.8	82.4	111.4	116.3	116.3
97.5°	53.3	92.1	135.7	155.0	155.0
100°	72.7	96.9	145.4	174.4	179.3
102.5°	92.1	106.6	155.0	184.1	193.8
105°	111.4	116.3	164.7	193.8	203.5



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CATALOG NUMBER: 8WSLA-150-L950-UPL8-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	164.7	145.4	184.1	218.0	227.7
115°	184.1	155.0	193.8	222.9	237.4
117.5°	198.7	169.6	203.5	232.6	242.3
120°	213.2	179.3	208.3	242.3	252.0
122.5°	232.6	189.0	218.0	247.1	261.6
125°	247.1	198.7	222.9	256.8	266.5
127.5°	261.6	218.0	227.7	261.6	271.3
130°	271.3	237.4	232.6	266.5	276.2
132.5°	285.9	252.0	237.4	271.3	281.0
135°	295.6	266.5	247.1	271.3	285.9
137.5°	305.3	281.0	247.1	271.3	281.0
140°	314.9	295.6	252.0	271.3	281.0
142.5°	319.8	305.3	256.8	271.3	281.0
145°	329.5	314.9	276.2	271.3	281.0
147.5°	334.3	324.6	290.7	271.3	281.0
150°	339.2	334.3	305.3	276.2	276.2
152.5°	344.0	339.2	314.9	295.6	285.9
155°	348.9	344.0	324.6	310.1	305.3
157.5°	353.7	353.7	334.3	324.6	319.8
160°	353.7	358.6	344.0	334.3	329.5
162.5°	358.6	363.4	348.9	344.0	339.2
165°	358.6	363.4	353.7	353.7	353.7
167.5°	363.4	368.2	363.4	358.6	358.6
170°	363.4	368.2	363.4	363.4	363.4
172.5°	363.4	368.2	368.2	368.2	368.2
175°	363.4	368.2	368.2	373.1	373.1
177.5°	363.4	368.2	368.2	368.2	368.2
180°	368.2	368.2	368.2	368.2	368.2



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	130.8	126.0	169.6	203.5	213.2
110°	145.4	135.7	179.3	208.3	218.0



(END OF REPORT)