

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: P520794

Luminaire Tested: **8WSLA-75-L950-UPL8-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520794  
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-75-L950-UPL8-UNV-U  
Description: 8 FOOT, 1500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI  
LEDS WITH 8% UPLIGHT  
Light Source: -  
Ballast/Driver: -

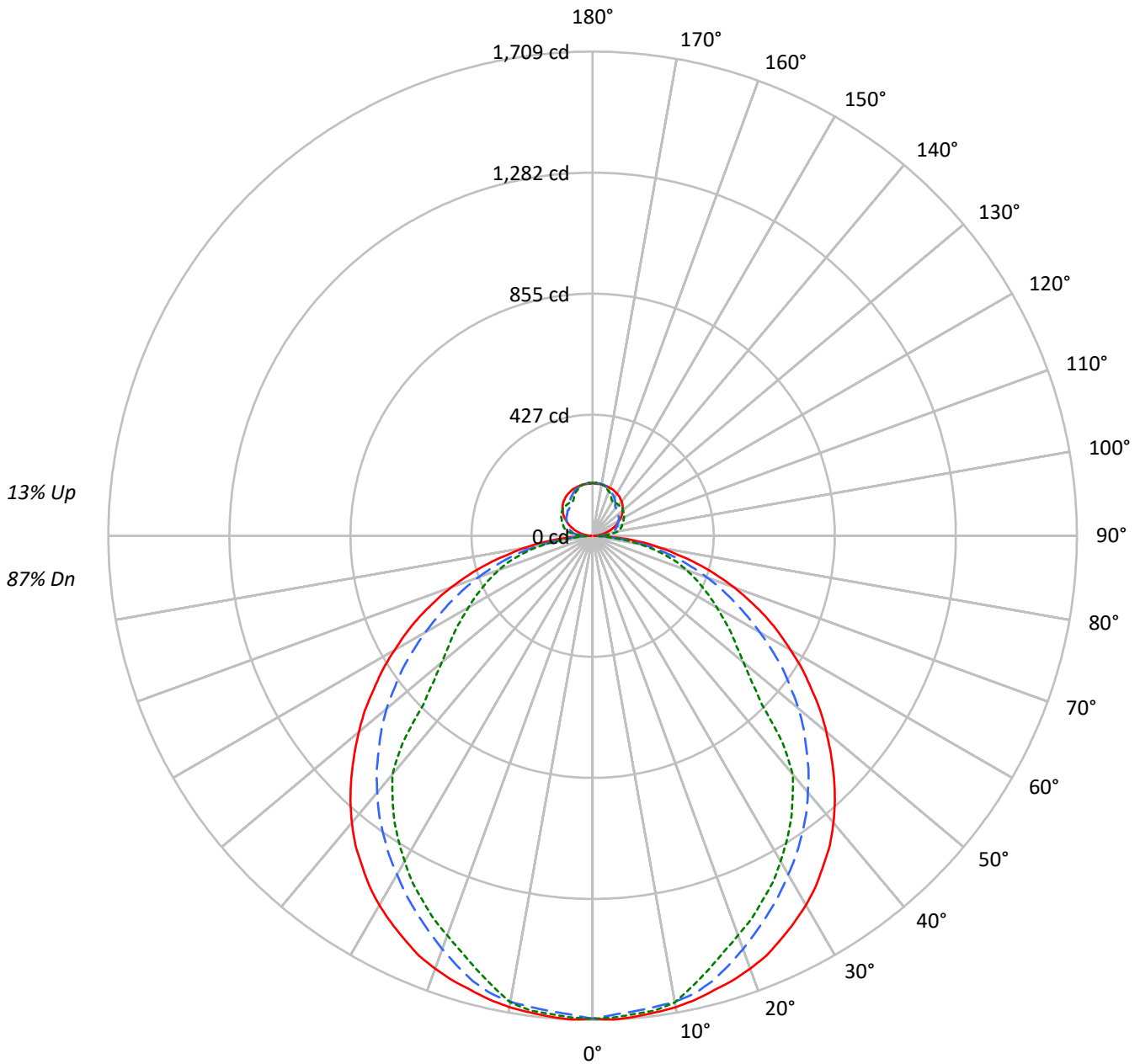
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5304.1 lumens  
Efficiency: N/A  
Efficacy: 113.8 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): 46.6  
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°	4586	4586	4586
5°	4604	4551	4577
10°	4617	4563	4570
15°	4625	4536	4413
20°	4656	4445	4298
25°	4667	4361	4216
30°	4679	4290	4122
35°	4664	4229	4012
40°	4643	4152	3859
45°	4582	4059	3220
50°	4507	3973	2905
55°	4418	3842	2796
60°	4342	3669	2719
65°	4278	3514	2717
70°	4168	3376	2759
75°	3977	3213	2779
80°	3724	2889	2585
85°	3409	2044	1741



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.3	3.0
10°-20°	458.7	8.6
20°-30°	685.4	12.9
30°-40°	818.2	15.4
40°-50°	818.2	15.4
50°-60°	708.1	13.4
60°-70°	543.5	10.2
70°-80°	333.0	6.3
80°-90°	93.8	1.8
90°-100°	53.0	1.0
100°-110°	84.1	1.6
110°-120°	98.3	1.9
120°-130°	106.2	2.0
130°-140°	104.6	2.0
140°-150°	92.5	1.7
150°-160°	76.2	1.4
160°-170°	51.0	1.0
170°-180°	17.8	0.3
0°-30°	1305.5	24.6
0°-40°	2123.6	40.0
0°-60°	3650.0	68.8
0°-90°	4620.4	87.1
90°-120°	235.5	4.4
90°-150°	538.8	10.2
90°-180°	684.0	12.9
0°-180°	5304.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1704	1704	1704	1704	1704	
5°	1704	1699	1685	1697	1694	162
15°	1660	1658	1628	1599	1584	470
25°	1572	1552	1469	1430	1420	725
35°	1420	1383	1287	1241	1221	889
45°	1204	1170	1067	971	846	928
55°	942	920	819	655	596	844
65°	672	647	552	444	427	664
75°	382	363	309	267	267	404
85°	110	91	66	56	56	115
90°	5	17	27	34	37	8
95°	20	42	56	59	59	19
105°	56	59	83	98	103	59
115°	93	78	98	113	120	91
125°	125	100	113	130	135	111
135°	150	135	125	137	145	115
145°	167	159	140	137	142	104
155°	177	174	164	157	154	81
165°	182	184	179	179	179	52
175°	184	186	186	189	189	18
180°	186	186	186	186	186	



TEST NUMBER: P520794

CATALOG NUMBER: 8WSLA-75-L950-UPL8-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1704.3	1704.3	1704.3	1704.3	1704.3
2.5°	1709.2	1704.3	1692.0	1704.3	1701.8
5°	1704.3	1699.4	1684.7	1696.9	1694.5
7.5°	1696.9	1692.0	1677.3	1692.0	1689.6
10°	1689.6	1684.7	1670.0	1679.8	1672.4
12.5°	1677.3	1672.4	1655.3	1643.0	1628.3
15°	1660.2	1657.7	1628.3	1598.9	1584.1
17.5°	1645.4	1638.1	1591.5	1557.2	1540.0
20°	1625.8	1613.6	1552.3	1513.0	1500.8
22.5°	1603.8	1584.1	1510.6	1473.8	1464.0
25°	1571.9	1552.3	1468.9	1429.7	1419.8
27.5°	1540.0	1515.5	1427.2	1388.0	1378.2
30°	1505.7	1471.3	1380.6	1343.8	1326.7
32.5°	1466.4	1432.1	1336.5	1294.8	1275.2
35°	1419.8	1383.1	1287.4	1240.8	1221.2
37.5°	1375.7	1336.5	1238.4	1186.9	1159.9
40°	1321.8	1282.5	1182.0	1125.6	1098.6
42.5°	1265.4	1228.6	1128.0	1059.4	993.2
45°	1204.0	1169.7	1066.7	971.1	846.0
47.5°	1140.3	1110.9	1010.3	880.4	760.2
50°	1076.5	1047.1	949.0	794.5	694.0
52.5°	1012.8	988.2	880.4	723.4	640.0
55°	941.7	919.6	819.0	654.7	595.9
57.5°	877.9	855.8	747.9	598.3	549.3
60°	806.8	787.2	681.7	541.9	505.2
62.5°	740.6	718.5	615.5	492.9	465.9
65°	671.9	647.4	551.8	443.9	426.7
67.5°	600.8	576.3	490.4	399.7	389.9
70°	529.7	510.1	429.1	355.6	350.7
72.5°	456.1	434.0	367.8	313.9	313.9
75°	382.5	362.9	309.0	267.3	267.3
77.5°	306.5	296.7	247.7	218.2	220.7
80°	240.3	228.1	186.4	166.8	166.8
82.5°	176.6	161.8	125.1	110.4	115.3
85°	110.4	90.7	66.2	56.4	56.4
87.5°	34.3	27.0	19.6	22.1	22.1
90°	4.9	17.2	27.0	34.3	36.8
92.5°	12.3	31.9	39.2	46.6	49.0
95°	19.6	41.7	56.4	58.9	58.9
97.5°	27.0	46.6	68.7	78.5	78.5
100°	36.8	49.0	73.6	88.3	90.7
102.5°	46.6	53.9	78.5	93.2	98.1
105°	56.4	58.9	83.4	98.1	103.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	83.4	73.6	93.2	110.4	115.3
115°	93.2	78.5	98.1	112.8	120.2
117.5°	100.5	85.8	103.0	117.7	122.6
120°	107.9	90.7	105.4	122.6	127.5
122.5°	117.7	95.6	110.4	125.1	132.4
125°	125.1	100.5	112.8	130.0	134.9
127.5°	132.4	110.4	115.3	132.4	137.3
130°	137.3	120.2	117.7	134.9	139.8
132.5°	144.7	127.5	120.2	137.3	142.2
135°	149.6	134.9	125.1	137.3	144.7
137.5°	154.5	142.2	125.1	137.3	142.2
140°	159.4	149.6	127.5	137.3	142.2
142.5°	161.8	154.5	130.0	137.3	142.2
145°	166.8	159.4	139.8	137.3	142.2
147.5°	169.2	164.3	147.1	137.3	142.2
150°	171.7	169.2	154.5	139.8	139.8
152.5°	174.1	171.7	159.4	149.6	144.7
155°	176.6	174.1	164.3	156.9	154.5
157.5°	179.0	179.0	169.2	164.3	161.8
160°	179.0	181.5	174.1	169.2	166.8
162.5°	181.5	183.9	176.6	174.1	171.7
165°	181.5	183.9	179.0	179.0	179.0
167.5°	183.9	186.4	183.9	181.5	181.5
170°	183.9	186.4	183.9	183.9	183.9
172.5°	183.9	186.4	186.4	186.4	186.4
175°	183.9	186.4	186.4	188.8	188.8
177.5°	183.9	186.4	186.4	186.4	186.4
180°	186.4	186.4	186.4	186.4	186.4



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	66.2	63.8	85.8	103.0	107.9
110°	73.6	68.7	90.7	105.4	110.4



(END OF REPORT)