

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: P520793

Luminaire Tested: **8WSLA-75-L950-UPL15-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520793  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 8WSLA-75-L950-UPL15-UNV-U  
Description: 8 FOOT, 1500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI  
LEDS WITH 15% UPLIGHT  
Light Source: -  
Ballast/Driver: -

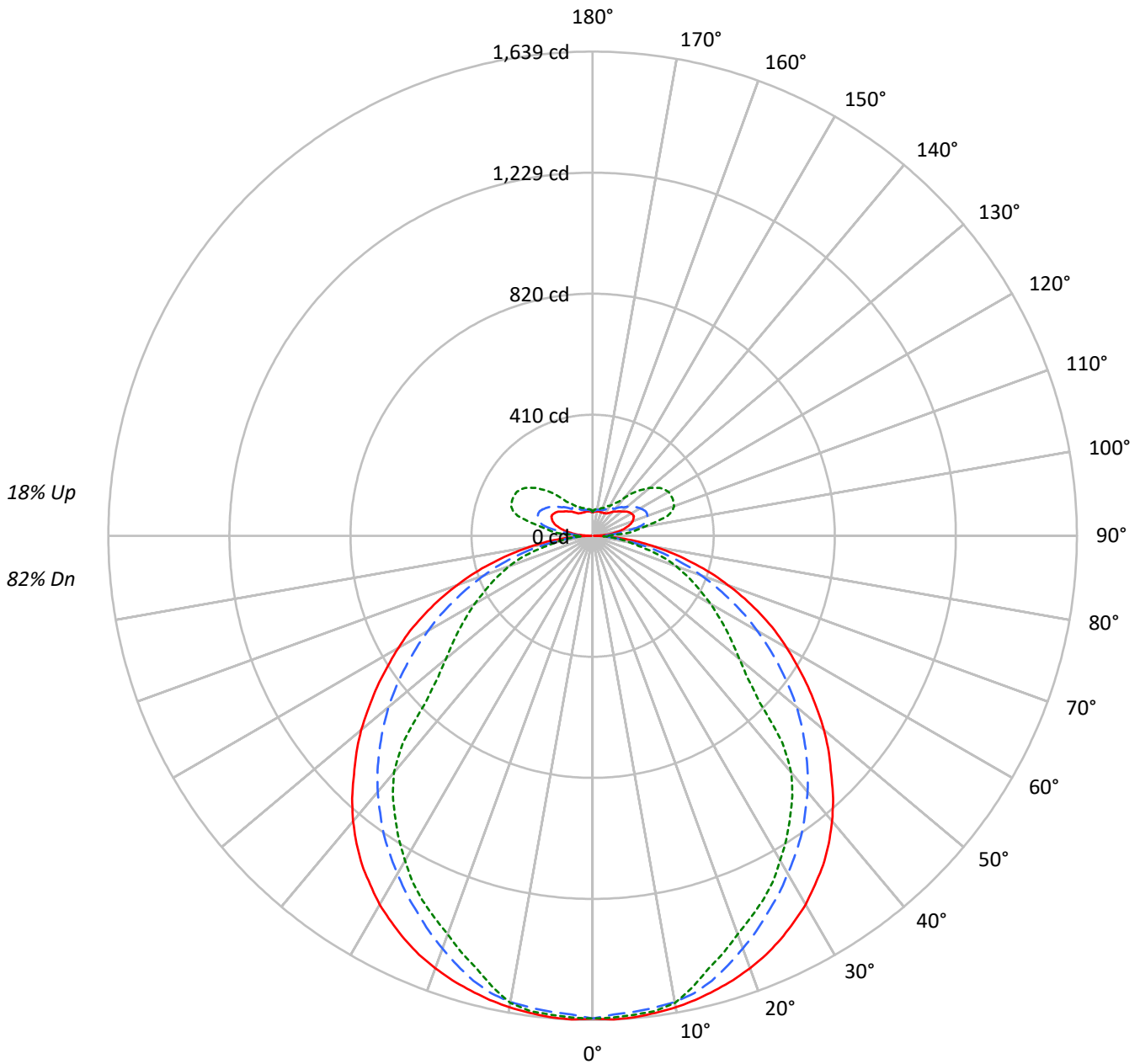
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5292.0 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.16 / 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

TEST NUMBER: P520793

CATALOG NUMBER: 8WSLA-75-L950-UPL15-UNV-U

### 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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82																			
1	105	100	96	92	100	96	93	89	89	86	83	82	80	78	76	74	72	69																			
2	96	88	81	76	91	84	78	73	78	73	69	72	68	65	67	64	61	58																			
3	87	77	69	63	83	74	67	61	69	63	58	64	59	55	59	55	52	49																			
4	80	68	60	53	76	66	58	52	61	55	50	57	51	47	53	48	45	42																			
5	73	61	52	46	70	59	51	45	55	48	43	51	45	41	48	43	39	36																			
6	68	55	46	40	65	53	45	39	50	43	38	46	40	36	43	38	34	32																			
7	63	50	41	35	60	48	40	35	45	38	33	42	36	32	39	34	30	28																			
8	58	45	37	32	56	44	36	31	41	35	30	39	33	29	36	31	27	25																			
9	55	42	34	28	52	40	33	28	38	31	27	36	30	26	33	28	25	23																			
10	51	38	31	26	49	37	30	25	35	29	24	33	27	23	31	26	23	21																			

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

	0°	45°	90°
0°	4397	4397	4397
5°	4418	4369	4396
10°	4429	4379	4388
15°	4441	4344	4225
20°	4461	4257	4110
25°	4473	4173	4045
30°	4480	4104	3944
35°	4470	4051	3827
40°	4430	3976	3673
45°	4345	3879	3046
50°	4281	3774	2713
55°	4175	3623	2581
60°	4085	3461	2479
65°	3989	3271	2406
70°	3833	3064	2360
75°	3618	2808	2171
80°	3313	2363	1926
85°	2967	2047	1945



TEST NUMBER: P520793

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.9	2.9
10°-20°	439.9	8.3
20°-30°	656.5	12.4
30°-40°	782.3	14.8
40°-50°	778.1	14.7
50°-60°	666.9	12.6
60°-70°	502.2	9.5
70°-80°	290.9	5.5
80°-90°	87.4	1.7
90°-100°	93.9	1.8
100°-110°	192.7	3.6
110°-120°	203.8	3.9
120°-130°	170.0	3.2
130°-140°	118.7	2.2
140°-150°	73.9	1.4
150°-160°	45.8	0.9
160°-170°	25.8	0.5
170°-180°	8.3	0.2
0°-30°	1251.3	23.6
0°-40°	2033.6	38.4
0°-60°	3478.5	65.7
0°-90°	4359.0	82.4
90°-120°	490.4	9.3
90°-150°	853.0	16.1
90°-180°	933.0	17.6
0°-180°	5292.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1634	1634	1634	1634	1634	
5°	1636	1631	1618	1629	1627	156
15°	1594	1593	1559	1533	1516	451
25°	1506	1485	1405	1370	1362	695
35°	1361	1324	1233	1185	1165	850
45°	1142	1114	1019	918	800	883
55°	890	877	772	613	550	796
65°	626	612	514	399	378	619
75°	348	336	270	215	209	369
85°	96	84	66	63	63	102
90°	5	23	40	50	53	10
95°	53	71	81	119	129	51
105°	124	129	186	249	264	129
115°	154	131	197	272	298	150
125°	142	126	171	250	282	127
135°	116	126	138	186	214	91
145°	94	109	119	128	136	60
155°	86	91	98	106	108	40
165°	84	88	91	94	94	24
175°	83	84	86	88	90	8
180°	81	81	81	81	81	



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CATALOG NUMBER: 8WSLA-75-L950-UPL15-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1634.0	1634.0	1634.0	1634.0	1634.0
2.5°	1639.0	1635.7	1622.4	1635.7	1632.4
5°	1635.7	1630.7	1617.5	1629.1	1627.4
7.5°	1629.1	1625.7	1610.8	1624.1	1622.4
10°	1620.8	1615.8	1602.5	1612.5	1605.8
12.5°	1609.2	1605.8	1586.0	1577.7	1564.4
15°	1594.2	1592.6	1559.4	1532.9	1516.4
17.5°	1577.7	1571.0	1524.6	1493.2	1478.2
20°	1557.8	1547.8	1486.5	1450.1	1435.2
22.5°	1534.6	1519.7	1448.4	1413.6	1398.7
25°	1506.4	1484.9	1405.3	1370.5	1362.2
27.5°	1474.9	1450.1	1365.6	1330.8	1320.8
30°	1441.8	1410.3	1320.8	1287.7	1269.4
32.5°	1400.4	1370.5	1277.7	1239.6	1219.7
35°	1360.6	1324.1	1233.0	1184.9	1165.0
37.5°	1312.5	1276.1	1181.6	1133.5	1110.3
40°	1261.1	1224.7	1131.9	1075.5	1045.7
42.5°	1204.8	1171.7	1077.2	1009.2	951.2
45°	1141.8	1113.7	1019.2	918.1	800.4
47.5°	1083.8	1057.3	961.2	830.3	709.3
50°	1022.5	997.6	901.5	747.4	648.0
52.5°	954.6	936.3	836.9	676.1	596.6
55°	889.9	876.7	772.3	613.2	550.2
57.5°	822.0	808.7	707.6	553.5	503.8
60°	759.0	745.8	643.0	500.5	460.7
62.5°	696.0	677.8	580.0	449.1	416.0
65°	626.4	611.5	513.7	399.4	377.8
67.5°	556.8	543.6	452.4	353.0	338.1
70°	487.2	475.6	389.4	308.2	300.0
72.5°	419.3	404.4	333.1	263.5	260.2
75°	348.0	336.4	270.1	215.4	208.8
77.5°	280.1	270.1	212.1	164.1	159.1
80°	213.8	203.8	152.5	119.3	124.3
82.5°	157.4	144.2	102.7	92.8	97.8
85°	96.1	84.5	66.3	63.0	63.0
87.5°	33.1	31.5	29.8	34.8	36.5
90°	5.0	23.2	39.8	49.7	53.0
92.5°	28.2	41.4	54.7	64.6	67.9
95°	53.0	71.3	81.2	119.3	129.3
97.5°	72.9	94.5	106.1	140.9	150.8
100°	92.8	112.7	149.2	167.4	179.0
102.5°	109.4	124.3	175.7	212.1	218.8
105°	124.3	129.3	185.6	248.6	263.5



TEST NUMBER: P520793

CATALOG NUMBER: 8WSLA-75-L950-UPL15-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	149.2	132.6	198.9	270.1	296.6
115°	154.1	130.9	197.2	271.8	298.3
117.5°	154.1	130.9	192.2	271.8	298.3
120°	150.8	132.6	185.6	268.5	296.6
122.5°	147.5	129.3	179.0	261.8	290.0
125°	142.5	125.9	170.7	250.2	281.7
127.5°	134.2	129.3	162.4	235.3	266.8
130°	127.6	130.9	152.5	220.4	251.9
132.5°	122.6	127.6	142.5	203.8	232.0
135°	116.0	125.9	137.5	185.6	213.8
137.5°	111.0	121.0	129.3	169.0	192.2
140°	106.1	117.7	121.0	147.5	167.4
142.5°	99.4	112.7	114.3	137.5	145.8
145°	94.5	109.4	119.3	127.6	135.9
147.5°	89.5	102.7	116.0	117.7	125.9
150°	87.8	96.1	111.0	112.7	116.0
152.5°	86.2	92.8	102.7	112.7	114.3
155°	86.2	91.1	97.8	106.1	107.7
157.5°	84.5	91.1	94.5	101.1	102.7
160°	84.5	89.5	92.8	97.8	99.4
162.5°	84.5	89.5	91.1	96.1	97.8
165°	84.5	87.8	91.1	94.5	94.5
167.5°	84.5	87.8	89.5	92.8	92.8
170°	84.5	86.2	89.5	91.1	91.1
172.5°	82.9	86.2	87.8	91.1	91.1
175°	82.9	84.5	86.2	87.8	89.5
177.5°	79.5	84.5	86.2	87.8	86.2
180°	81.2	81.2	81.2	81.2	81.2



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	135.9	130.9	192.2	261.8	283.4
110°	144.2	132.6	197.2	266.8	293.3



(END OF REPORT)