

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: P520787

Luminaire Tested: **8WSLA-75-L935-UPL15-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520787  
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-L935-UPL15-UNV-U  
Description: 8 FOOT, 1500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI  
LEDS WITH 15% UPLIGHT  
Light Source: -  
Ballast/Driver: -

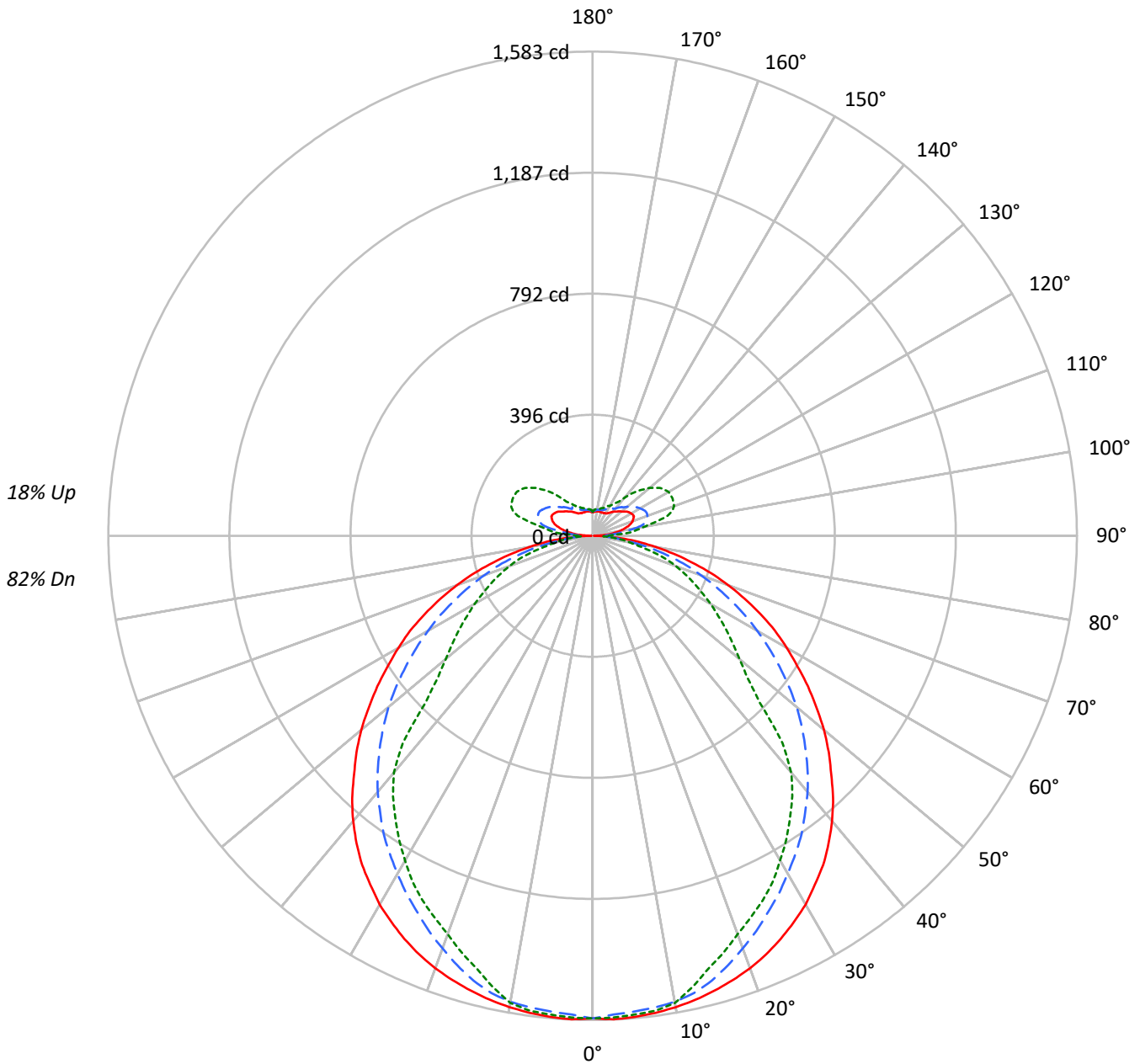
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5109.9 lumens  
Efficiency: N/A  
Efficacy: 109.7 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

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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	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°	4246	4246	4246
5°	4266	4219	4245
10°	4276	4228	4237
15°	4289	4195	4079
20°	4308	4111	3968
25°	4319	4029	3906
30°	4326	3963	3809
35°	4316	3911	3696
40°	4278	3840	3547
45°	4196	3745	2941
50°	4133	3644	2619
55°	4031	3499	2493
60°	3944	3342	2394
65°	3852	3159	2323
70°	3702	2959	2279
75°	3493	2712	2096
80°	3199	2281	1860
85°	2865	1976	1877



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.5	2.9
10°-20°	424.8	8.3
20°-30°	633.9	12.4
30°-40°	755.4	14.8
40°-50°	751.3	14.7
50°-60°	643.9	12.6
60°-70°	485.0	9.5
70°-80°	280.8	5.5
80°-90°	84.4	1.7
90°-100°	90.6	1.8
100°-110°	186.1	3.6
110°-120°	196.7	3.9
120°-130°	164.1	3.2
130°-140°	114.7	2.2
140°-150°	71.4	1.4
150°-160°	44.2	0.9
160°-170°	24.9	0.5
170°-180°	8.0	0.2
0°-30°	1208.3	23.6
0°-40°	1963.6	38.4
0°-60°	3358.9	65.7
0°-90°	4209.1	82.4
90°-120°	473.4	9.3
90°-150°	823.6	16.1
90°-180°	901.0	17.6
0°-180°	5109.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1578	1578	1578	1578	1578	
5°	1579	1575	1562	1573	1571	150
15°	1539	1538	1506	1480	1464	435
25°	1455	1434	1357	1323	1315	671
35°	1314	1279	1191	1144	1125	821
45°	1103	1075	984	886	773	852
55°	859	846	746	592	531	768
65°	605	590	496	386	365	598
75°	336	325	261	208	202	356
85°	93	82	64	61	61	99
90°	5	22	38	48	51	9
95°	51	69	78	115	125	49
105°	120	125	179	240	254	124
115°	149	126	190	262	288	145
125°	138	122	165	242	272	122
135°	112	122	133	179	206	87
145°	91	106	115	123	131	58
155°	83	88	94	102	104	38
165°	82	85	88	91	91	23
175°	80	82	83	85	86	8
180°	78	78	78	78	78	



TEST NUMBER: P520787

CATALOG NUMBER: 8WSLA-75-L935-UPL15-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1577.8	1577.8	1577.8	1577.8	1577.8
2.5°	1582.6	1579.4	1566.6	1579.4	1576.2
5°	1579.4	1574.6	1561.8	1573.0	1571.4
7.5°	1573.0	1569.8	1555.4	1568.2	1566.6
10°	1565.0	1560.2	1547.4	1557.0	1550.6
12.5°	1553.8	1550.6	1531.4	1523.4	1510.6
15°	1539.4	1537.8	1505.8	1480.2	1464.2
17.5°	1523.4	1517.0	1472.2	1441.8	1427.4
20°	1504.2	1494.6	1435.4	1400.2	1385.8
22.5°	1481.8	1467.4	1398.6	1365.0	1350.6
25°	1454.6	1433.8	1357.0	1323.4	1315.4
27.5°	1424.2	1400.2	1318.6	1285.0	1275.4
30°	1392.2	1361.8	1275.4	1243.4	1225.8
32.5°	1352.2	1323.4	1233.8	1197.0	1177.8
35°	1313.8	1278.6	1190.6	1144.2	1125.0
37.5°	1267.4	1232.2	1141.0	1094.6	1072.2
40°	1217.8	1182.6	1093.0	1038.5	1009.7
42.5°	1163.4	1131.4	1040.1	974.5	918.5
45°	1102.6	1075.4	984.1	886.5	772.9
47.5°	1046.6	1020.9	928.1	801.7	684.9
50°	987.3	963.3	870.5	721.7	625.7
52.5°	921.7	904.1	808.1	652.9	576.1
55°	859.3	846.5	745.7	592.1	531.3
57.5°	793.7	780.9	683.3	534.5	486.5
60°	732.9	720.1	620.9	483.3	444.9
62.5°	672.1	654.5	560.1	433.7	401.7
65°	604.9	590.5	496.1	385.7	364.9
67.5°	537.7	524.9	436.9	340.8	326.4
70°	470.5	459.3	376.1	297.6	289.6
72.5°	404.9	390.5	321.6	254.4	251.2
75°	336.0	324.8	260.8	208.0	201.6
77.5°	270.4	260.8	204.8	158.4	153.6
80°	206.4	196.8	147.2	115.2	120.0
82.5°	152.0	139.2	99.2	89.6	94.4
85°	92.8	81.6	64.0	60.8	60.8
87.5°	32.0	30.4	28.8	33.6	35.2
90°	4.8	22.4	38.4	48.0	51.2
92.5°	27.2	40.0	52.8	62.4	65.6
95°	51.2	68.8	78.4	115.2	124.8
97.5°	70.4	91.2	102.4	136.0	145.6
100°	89.6	108.8	144.0	161.6	172.8
102.5°	105.6	120.0	169.6	204.8	211.2
105°	120.0	124.8	179.2	240.0	254.4



TEST NUMBER: P520787

CATALOG NUMBER: 8WSLA-75-L935-UPL15-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	144.0	128.0	192.0	260.8	286.4
115°	148.8	126.4	190.4	262.4	288.0
117.5°	148.8	126.4	185.6	262.4	288.0
120°	145.6	128.0	179.2	259.2	286.4
122.5°	142.4	124.8	172.8	252.8	280.0
125°	137.6	121.6	164.8	241.6	272.0
127.5°	129.6	124.8	156.8	227.2	257.6
130°	123.2	126.4	147.2	212.8	243.2
132.5°	118.4	123.2	137.6	196.8	224.0
135°	112.0	121.6	132.8	179.2	206.4
137.5°	107.2	116.8	124.8	163.2	185.6
140°	102.4	113.6	116.8	142.4	161.6
142.5°	96.0	108.8	110.4	132.8	140.8
145°	91.2	105.6	115.2	123.2	131.2
147.5°	86.4	99.2	112.0	113.6	121.6
150°	84.8	92.8	107.2	108.8	112.0
152.5°	83.2	89.6	99.2	108.8	110.4
155°	83.2	88.0	94.4	102.4	104.0
157.5°	81.6	88.0	91.2	97.6	99.2
160°	81.6	86.4	89.6	94.4	96.0
162.5°	81.6	86.4	88.0	92.8	94.4
165°	81.6	84.8	88.0	91.2	91.2
167.5°	81.6	84.8	86.4	89.6	89.6
170°	81.6	83.2	86.4	88.0	88.0
172.5°	80.0	83.2	84.8	88.0	88.0
175°	80.0	81.6	83.2	84.8	86.4
177.5°	76.8	81.6	83.2	84.8	83.2
180°	78.4	78.4	78.4	78.4	78.4



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	131.2	126.4	185.6	252.8	273.6
110°	139.2	128.0	190.4	257.6	283.2



(END OF REPORT)