

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: P520523

Luminaire Tested: **4WSLA-150-L935-UPL15-UNV-U**

Issue Date: 5/3/2021

Test Information

Test Method: LM-79-08
Report Number: P520523
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: 4WSLA-150-L935-UPL15-UNV-U
Description: 4 FOOT, 1500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

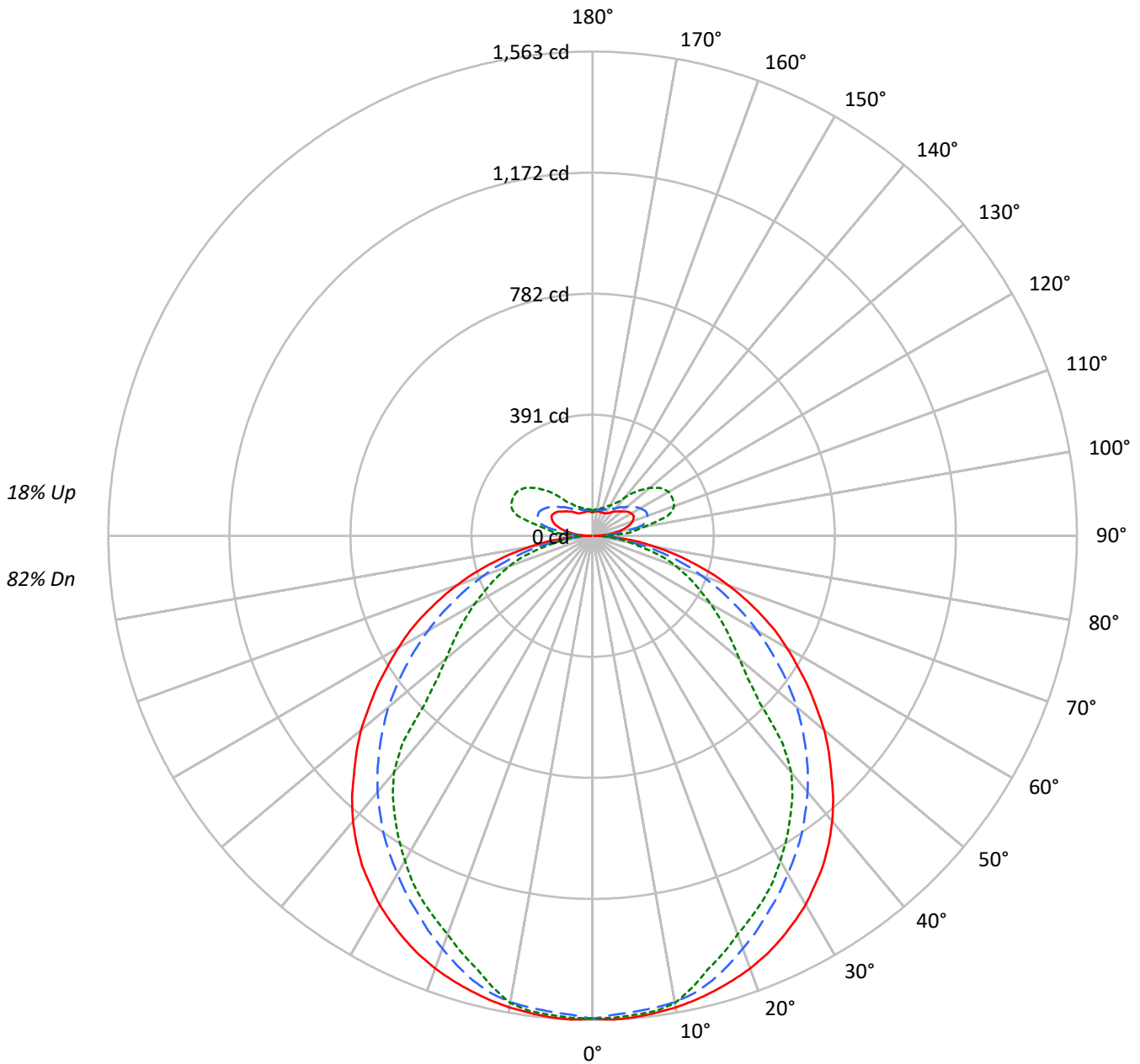
Lumens per Lamp: N/A
Luminaire Lumens: 5048.0 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 47.7
Input Voltage (V): NR
Input Current (A_{in}): 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°	8389	8389	8389
5°	8430	8336	8387
10°	8449	8354	8371
15°	8473	8288	8059
20°	8511	8121	7841
25°	8533	7960	7716
30°	8547	7830	7525
35°	8527	7727	7301
40°	8452	7586	7008
45°	8290	7400	5811
50°	8167	7201	5175
55°	7965	6913	4924
60°	7793	6603	4731
65°	7609	6241	4590
70°	7314	5846	4502
75°	6904	5359	4142
80°	6320	4506	3676
85°	5663	3903	3711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.7	2.9
10°-20°	419.6	8.3
20°-30°	626.2	12.4
30°-40°	746.2	14.8
40°-50°	742.2	14.7
50°-60°	636.1	12.6
60°-70°	479.1	9.5
70°-80°	277.4	5.5
80°-90°	83.4	1.7
90°-100°	89.5	1.8
100°-110°	183.8	3.6
110°-120°	194.4	3.9
120°-130°	162.2	3.2
130°-140°	113.3	2.2
140°-150°	70.5	1.4
150°-160°	43.7	0.9
160°-170°	24.6	0.5
170°-180°	7.9	0.2
0°-30°	1193.6	23.6
0°-40°	1939.8	38.4
0°-60°	3318.1	65.7
0°-90°	4158.0	82.4
90°-120°	467.8	9.3
90°-150°	813.7	16.1
90°-180°	890.0	17.6
0°-180°	5048.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1559	1559	1559	1559	1559	
5°	1560	1556	1543	1554	1552	148
15°	1521	1519	1488	1462	1446	430
25°	1437	1416	1340	1307	1299	663
35°	1298	1263	1176	1130	1111	811
45°	1089	1062	972	876	764	842
55°	849	836	737	585	525	759
65°	598	583	490	381	360	591
75°	332	321	258	206	199	352
85°	92	81	63	60	60	98
90°	5	22	38	47	51	9
95°	51	68	78	114	123	48
105°	119	123	177	237	251	123
115°	147	125	188	259	284	143
125°	136	120	163	239	269	121
135°	111	120	131	177	204	86
145°	90	104	114	122	130	57
155°	82	87	93	101	103	38
165°	81	84	87	90	90	23
175°	79	81	82	84	85	8
180°	78	78	78	78	78	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1558.7	1558.7	1558.7	1558.7	1558.7
2.5°	1563.4	1560.3	1547.6	1560.3	1557.1
5°	1560.3	1555.5	1542.9	1553.9	1552.4
7.5°	1553.9	1550.8	1536.6	1549.2	1547.6
10°	1546.0	1541.3	1528.6	1538.1	1531.8
12.5°	1535.0	1531.8	1512.8	1504.9	1492.3
15°	1520.7	1519.2	1487.5	1462.3	1446.4
17.5°	1504.9	1498.6	1454.3	1424.3	1410.1
20°	1486.0	1476.5	1418.0	1383.2	1369.0
22.5°	1463.8	1449.6	1381.6	1348.4	1334.2
25°	1437.0	1416.4	1340.5	1307.3	1299.4
27.5°	1406.9	1383.2	1302.6	1269.4	1259.9
30°	1375.3	1345.3	1259.9	1228.3	1210.9
32.5°	1335.8	1307.3	1218.8	1182.4	1163.5
35°	1297.8	1263.1	1176.1	1130.3	1111.3
37.5°	1252.0	1217.2	1127.1	1081.3	1059.1
40°	1203.0	1168.2	1079.7	1025.9	997.5
42.5°	1149.3	1117.6	1027.5	962.7	907.4
45°	1089.2	1062.3	972.2	875.8	763.5
47.5°	1033.9	1008.6	916.9	792.0	676.6
50°	975.4	951.6	860.0	712.9	618.1
52.5°	910.5	893.2	798.3	645.0	569.1
55°	848.9	836.3	736.7	584.9	524.8
57.5°	784.1	771.4	675.0	528.0	480.6
60°	724.0	711.4	613.4	477.4	439.5
62.5°	663.9	646.6	553.3	428.4	396.8
65°	597.5	583.3	490.1	381.0	360.4
67.5°	531.2	518.5	431.6	336.7	322.5
70°	464.8	453.7	371.5	294.0	286.1
72.5°	399.9	385.7	317.7	251.3	248.2
75°	332.0	320.9	257.7	205.5	199.2
77.5°	267.2	257.7	202.3	156.5	151.8
80°	203.9	194.4	145.4	113.8	118.6
82.5°	150.2	137.5	98.0	88.5	93.3
85°	91.7	80.6	63.2	60.1	60.1
87.5°	31.6	30.0	28.5	33.2	34.8
90°	4.7	22.1	37.9	47.4	50.6
92.5°	26.9	39.5	52.2	61.7	64.8
95°	50.6	68.0	77.5	113.8	123.3
97.5°	69.6	90.1	101.2	134.4	143.9
100°	88.5	107.5	142.3	159.7	170.7
102.5°	104.3	118.6	167.6	202.3	208.7
105°	118.6	123.3	177.1	237.1	251.3



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CATALOG NUMBER: 4WSLA-150-L935-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	142.3	126.5	189.7	257.7	283.0
115°	147.0	124.9	188.1	259.3	284.5
117.5°	147.0	124.9	183.4	259.3	284.5
120°	143.9	126.5	177.1	256.1	283.0
122.5°	140.7	123.3	170.7	249.8	276.6
125°	135.9	120.1	162.8	238.7	268.7
127.5°	128.0	123.3	154.9	224.5	254.5
130°	121.7	124.9	145.4	210.2	240.3
132.5°	117.0	121.7	135.9	194.4	221.3
135°	110.7	120.1	131.2	177.1	203.9
137.5°	105.9	115.4	123.3	161.2	183.4
140°	101.2	112.2	115.4	140.7	159.7
142.5°	94.8	107.5	109.1	131.2	139.1
145°	90.1	104.3	113.8	121.7	129.6
147.5°	85.4	98.0	110.7	112.2	120.1
150°	83.8	91.7	105.9	107.5	110.7
152.5°	82.2	88.5	98.0	107.5	109.1
155°	82.2	86.9	93.3	101.2	102.8
157.5°	80.6	86.9	90.1	96.4	98.0
160°	80.6	85.4	88.5	93.3	94.8
162.5°	80.6	85.4	86.9	91.7	93.3
165°	80.6	83.8	86.9	90.1	90.1
167.5°	80.6	83.8	85.4	88.5	88.5
170°	80.6	82.2	85.4	86.9	86.9
172.5°	79.0	82.2	83.8	86.9	86.9
175°	79.0	80.6	82.2	83.8	85.4
177.5°	75.9	80.6	82.2	83.8	82.2
180°	77.5	77.5	77.5	77.5	77.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	129.6	124.9	183.4	249.8	270.3
110°	137.5	126.5	188.1	254.5	279.8



(END OF REPORT)