

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: P520488

Luminaire Tested: **4WSLA-125-L835-UPL8-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520488  
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: 4WSLA-125-L835-UPL8-UNV-U  
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 80 CRI  
LEDS WITH 8% UPLIGHT  
Light Source: -  
Ballast/Driver: -

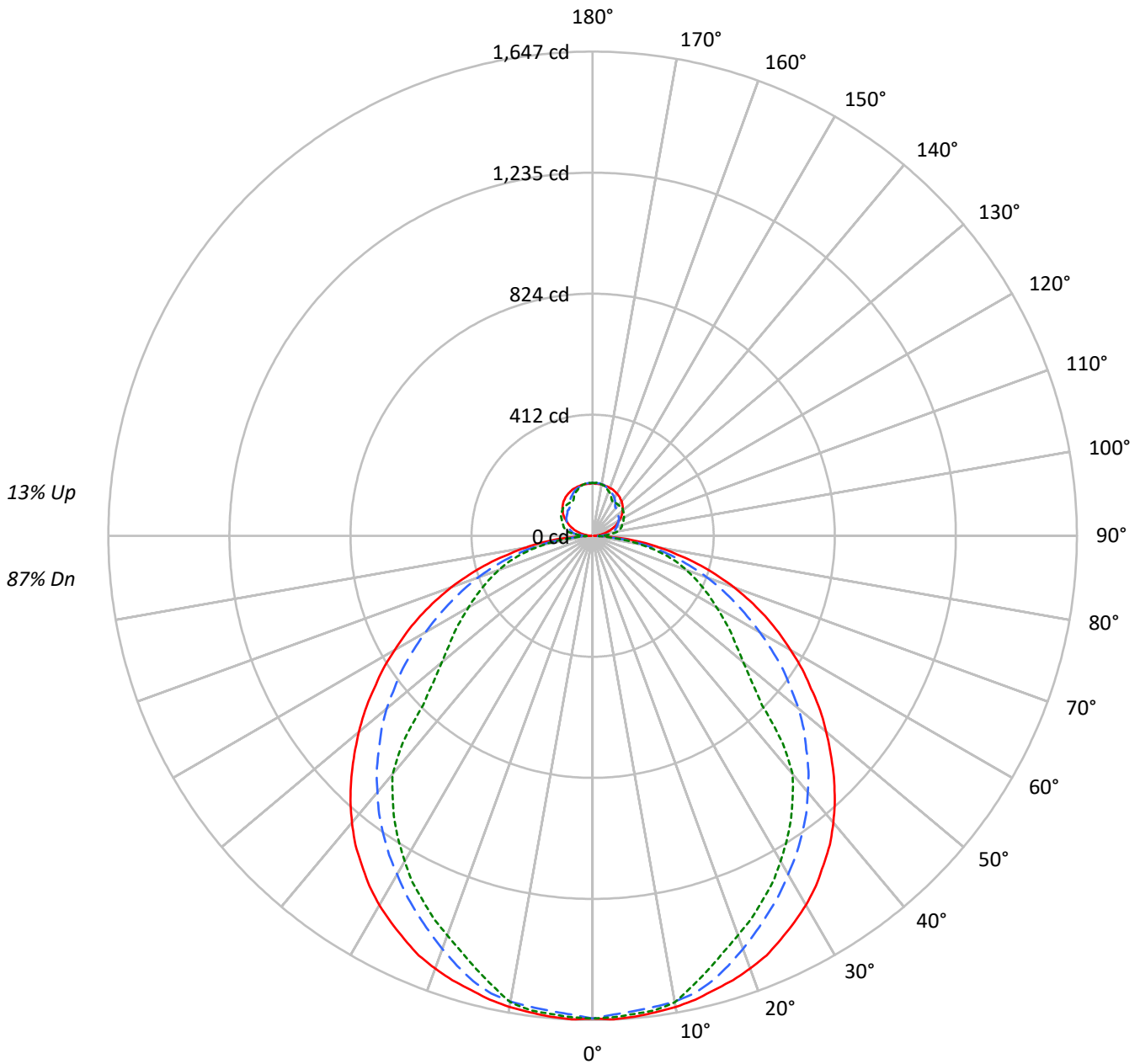
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5110.0 lumens  
Efficiency: N/A  
Efficacy: 131.7 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33  
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 38.8  
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				20				20	
RC	80				70				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				87
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73				73
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61				61
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51				51
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44				44
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38				38
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33				33
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30				30
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26				26
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24				24
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22				22

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

	0°	45°	90°
0°	8837	8837	8837
5°	8871	8769	8820
10°	8896	8793	8806
15°	8912	8741	8504
20°	8971	8565	8281
25°	8993	8404	8123
30°	9015	8266	7943
35°	8987	8149	7730
40°	8946	8000	7436
45°	8829	7822	6204
50°	8684	7655	5598
55°	8512	7404	5387
60°	8367	7070	5239
65°	8243	6770	5235
70°	8030	6505	5316
75°	7665	6190	5355
80°	7175	5566	4981
85°	6564	3940	3353



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.4	3.0
10°-20°	441.9	8.6
20°-30°	660.3	12.9
30°-40°	788.2	15.4
40°-50°	788.3	15.4
50°-60°	682.3	13.4
60°-70°	523.7	10.2
70°-80°	320.9	6.3
80°-90°	90.3	1.8
90°-100°	51.1	1.0
100°-110°	81.0	1.6
110°-120°	94.7	1.9
120°-130°	102.3	2.0
130°-140°	100.8	2.0
140°-150°	89.2	1.7
150°-160°	73.4	1.4
160°-170°	49.1	1.0
170°-180°	17.1	0.3
0°-30°	1257.7	24.6
0°-40°	2045.9	40.0
0°-60°	3516.5	68.8
0°-90°	4451.4	87.1
90°-120°	226.8	4.4
90°-150°	519.1	10.2
90°-180°	659.0	12.9
0°-180°	5110.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1642	1642	1642	1642	1642	
5°	1642	1637	1623	1635	1632	156
15°	1599	1597	1569	1540	1526	453
25°	1514	1496	1415	1377	1368	699
35°	1368	1332	1240	1195	1176	857
45°	1160	1127	1028	936	815	894
55°	907	886	789	631	574	813
65°	647	624	532	428	411	639
75°	369	350	298	258	258	389
85°	106	87	64	54	54	111
90°	5	16	26	33	35	7
95°	19	40	54	57	57	19
105°	54	57	80	94	99	57
115°	90	76	94	109	116	88
125°	120	97	109	125	130	107
135°	144	130	120	132	139	111
145°	161	154	135	132	137	100
155°	170	168	158	151	149	78
165°	175	177	172	172	172	50
175°	177	180	180	182	182	17
180°	180	180	180	180	180	



TEST NUMBER: P520488

CATALOG NUMBER: 4WSLA-125-L835-UPL8-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1642.0	1642.0	1642.0	1642.0	1642.0
2.5°	1646.7	1642.0	1630.2	1642.0	1639.6
5°	1642.0	1637.2	1623.1	1634.9	1632.5
7.5°	1634.9	1630.2	1616.0	1630.2	1627.8
10°	1627.8	1623.1	1608.9	1618.3	1611.3
12.5°	1616.0	1611.3	1594.7	1582.9	1568.7
15°	1599.4	1597.1	1568.7	1540.4	1526.2
17.5°	1585.3	1578.2	1533.3	1500.2	1483.7
20°	1566.4	1554.5	1495.5	1457.7	1445.9
22.5°	1545.1	1526.2	1455.3	1419.9	1410.4
25°	1514.4	1495.5	1415.2	1377.4	1367.9
27.5°	1483.7	1460.0	1375.0	1337.2	1327.7
30°	1450.6	1417.5	1330.1	1294.7	1278.1
32.5°	1412.8	1379.7	1287.6	1247.4	1228.5
35°	1367.9	1332.5	1240.3	1195.4	1176.5
37.5°	1325.4	1287.6	1193.1	1143.5	1117.5
40°	1273.4	1235.6	1138.7	1084.4	1058.4
42.5°	1219.1	1183.6	1086.8	1020.6	956.8
45°	1160.0	1126.9	1027.7	935.6	815.1
47.5°	1098.6	1070.2	973.4	848.2	732.4
50°	1037.2	1008.8	914.3	765.5	668.6
52.5°	975.7	952.1	848.2	696.9	616.6
55°	907.2	886.0	789.1	630.8	574.1
57.5°	845.8	824.5	720.6	576.5	529.2
60°	777.3	758.4	656.8	522.1	486.7
62.5°	713.5	692.2	593.0	474.9	448.9
65°	647.3	623.7	531.6	427.6	411.1
67.5°	578.8	555.2	472.5	385.1	375.6
70°	510.3	491.4	413.4	342.6	337.8
72.5°	439.4	418.2	354.4	302.4	302.4
75°	368.6	349.7	297.7	257.5	257.5
77.5°	295.3	285.9	238.6	210.3	212.6
80°	231.5	219.7	179.6	160.7	160.7
82.5°	170.1	155.9	120.5	106.3	111.0
85°	106.3	87.4	63.8	54.3	54.3
87.5°	33.1	26.0	18.9	21.3	21.3
90°	4.7	16.5	26.0	33.1	35.4
92.5°	11.8	30.7	37.8	44.9	47.3
95°	18.9	40.2	54.3	56.7	56.7
97.5°	26.0	44.9	66.2	75.6	75.6
100°	35.4	47.3	70.9	85.1	87.4
102.5°	44.9	52.0	75.6	89.8	94.5
105°	54.3	56.7	80.3	94.5	99.2



TEST NUMBER: P520488

CATALOG NUMBER: 4WSLA-125-L835-UPL8-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	80.3	70.9	89.8	106.3	111.0
115°	89.8	75.6	94.5	108.7	115.8
117.5°	96.9	82.7	99.2	113.4	118.1
120°	104.0	87.4	101.6	118.1	122.9
122.5°	113.4	92.1	106.3	120.5	127.6
125°	120.5	96.9	108.7	125.2	129.9
127.5°	127.6	106.3	111.0	127.6	132.3
130°	132.3	115.8	113.4	129.9	134.7
132.5°	139.4	122.9	115.8	132.3	137.0
135°	144.1	129.9	120.5	132.3	139.4
137.5°	148.8	137.0	120.5	132.3	137.0
140°	153.6	144.1	122.9	132.3	137.0
142.5°	155.9	148.8	125.2	132.3	137.0
145°	160.7	153.6	134.7	132.3	137.0
147.5°	163.0	158.3	141.8	132.3	137.0
150°	165.4	163.0	148.8	134.7	134.7
152.5°	167.7	165.4	153.6	144.1	139.4
155°	170.1	167.7	158.3	151.2	148.8
157.5°	172.5	172.5	163.0	158.3	155.9
160°	172.5	174.8	167.7	163.0	160.7
162.5°	174.8	177.2	170.1	167.7	165.4
165°	174.8	177.2	172.5	172.5	172.5
167.5°	177.2	179.6	177.2	174.8	174.8
170°	177.2	179.6	177.2	177.2	177.2
172.5°	177.2	179.6	179.6	179.6	179.6
175°	177.2	179.6	179.6	181.9	181.9
177.5°	177.2	179.6	179.6	179.6	179.6
180°	179.6	179.6	179.6	179.6	179.6



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	63.8	61.4	82.7	99.2	104.0
110°	70.9	66.2	87.4	101.6	106.3



(END OF REPORT)