

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: P520619

Luminaire Tested: **4WSLA-75-L935-UPL15-UNV-U**

Issue Date: 5/3/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P520619  
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-75-L935-UPL15-UNV-U  
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI  
LEDS WITH 15% UPLIGHT  
Light Source: -  
Ballast/Driver: -

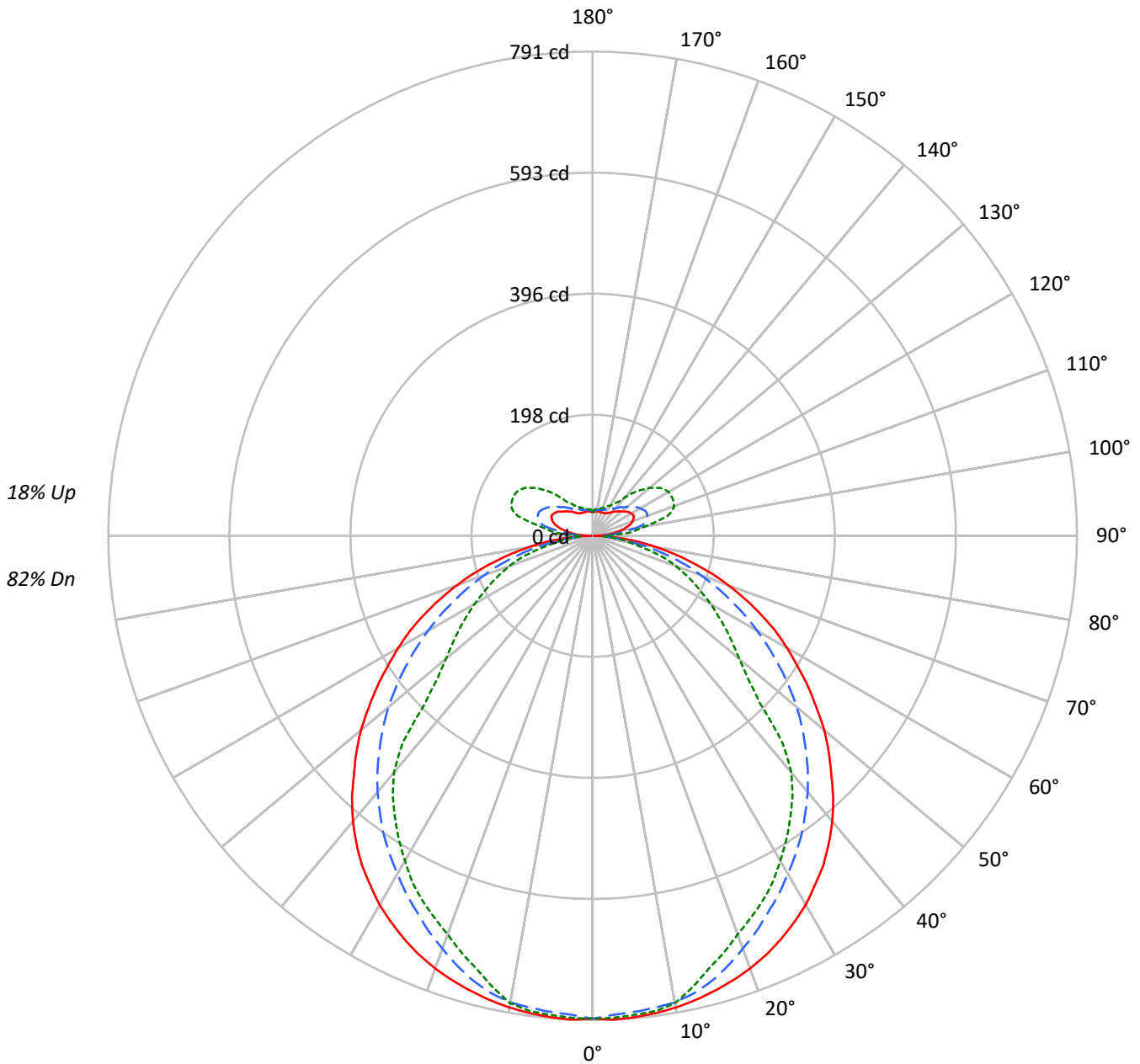
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2554.9 lumens  
Efficiency: N/A  
Efficacy: 110.1 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): 23.2  
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: P520619

CATALOG NUMBER: 4WSLA-75-L935-UPL15-UNV-U

### Luminous Intensity Polar Plot





TEST NUMBER: P520619

CATALOG NUMBER: 4WSLA-75-L935-UPL15-UNV-U

**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	2942
50°	4134	3645	2619
55°	4032	3499	2492
60°	3945	3341	2394
65°	3851	3158	2323
70°	3701	2958	2279
75°	3493	2712	2096
80°	3199	2281	1860
85°	2865	1976	1877



TEST NUMBER: P520619

CATALOG NUMBER: 4WSLA-75-L935-UPL15-UNV-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.8	2.9
10°-20°	212.4	8.3
20°-30°	317.0	12.4
30°-40°	377.7	14.8
40°-50°	375.7	14.7
50°-60°	322.0	12.6
60°-70°	242.4	9.5
70°-80°	140.4	5.5
80°-90°	42.2	1.7
90°-100°	45.3	1.8
100°-110°	93.0	3.6
110°-120°	98.4	3.9
120°-130°	82.1	3.2
130°-140°	57.3	2.2
140°-150°	35.7	1.4
150°-160°	22.1	0.9
160°-170°	12.5	0.5
170°-180°	4.0	0.2
<hr/>		
0°-30°	604.1	23.6
0°-40°	981.8	38.4
0°-60°	1679.5	65.7
0°-90°	2104.5	82.4
90°-120°	236.7	9.3
90°-150°	411.8	16.1
90°-180°	450.0	17.6
0°-180°	2554.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	789	789	789	789	789	
5°	790	787	781	786	786	75
15°	770	769	753	740	732	218
25°	727	717	678	662	658	335
35°	657	639	595	572	562	410
45°	551	538	492	443	386	426
55°	430	423	373	296	266	384
65°	302	295	248	193	182	299
75°	168	162	130	104	101	178
85°	46	41	32	30	30	49
90°	2	11	19	24	26	5
95°	26	34	39	58	62	24
105°	60	62	90	120	127	62
115°	74	63	95	131	144	72
125°	69	61	82	121	136	61
135°	56	61	66	90	103	44
145°	46	53	58	62	66	29
155°	42	44	47	51	52	19
165°	41	42	44	46	46	12
175°	40	41	42	42	43	4
180°	39	39	39	39	39	



TEST NUMBER: P520619

CATALOG NUMBER: 4WSLA-75-L935-UPL15-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	788.9	788.9	788.9	788.9	788.9
2.5°	791.3	789.7	783.3	789.7	788.1
5°	789.7	787.3	780.9	786.5	785.7
7.5°	786.5	784.9	777.7	784.1	783.3
10°	782.5	780.1	773.7	778.5	775.3
12.5°	776.9	775.3	765.7	761.7	755.3
15°	769.7	768.9	752.9	740.1	732.1
17.5°	761.7	758.5	736.1	720.9	713.7
20°	752.1	747.3	717.7	700.1	692.9
22.5°	740.9	733.7	699.3	682.5	675.3
25°	727.3	716.9	678.5	661.7	657.7
27.5°	712.1	700.1	659.3	642.5	637.7
30°	696.1	680.9	637.7	621.7	612.9
32.5°	676.1	661.7	616.9	598.5	588.9
35°	656.9	639.3	595.3	572.1	562.5
37.5°	633.7	616.1	570.5	547.3	536.1
40°	608.9	591.3	546.5	519.3	504.9
42.5°	581.7	565.7	520.1	487.3	459.3
45°	551.3	537.7	492.1	443.3	386.5
47.5°	523.3	510.5	464.1	400.9	342.4
50°	493.7	481.7	435.3	360.9	312.8
52.5°	460.9	452.1	404.1	326.4	288.0
55°	429.7	423.3	372.9	296.0	265.6
57.5°	396.9	390.5	341.6	267.2	243.2
60°	366.5	360.1	310.4	241.6	222.4
62.5°	336.0	327.2	280.0	216.8	200.8
65°	302.4	295.2	248.0	192.8	182.4
67.5°	268.8	262.4	218.4	170.4	163.2
70°	235.2	229.6	188.0	148.8	144.8
72.5°	202.4	195.2	160.8	127.2	125.6
75°	168.0	162.4	130.4	104.0	100.8
77.5°	135.2	130.4	102.4	79.2	76.8
80°	103.2	98.4	73.6	57.6	60.0
82.5°	76.0	69.6	49.6	44.8	47.2
85°	46.4	40.8	32.0	30.4	30.4
87.5°	16.0	15.2	14.4	16.8	17.6
90°	2.4	11.2	19.2	24.0	25.6
92.5°	13.6	20.0	26.4	31.2	32.8
95°	25.6	34.4	39.2	57.6	62.4
97.5°	35.2	45.6	51.2	68.0	72.8
100°	44.8	54.4	72.0	80.8	86.4
102.5°	52.8	60.0	84.8	102.4	105.6
105°	60.0	62.4	89.6	120.0	127.2



TEST NUMBER: P520619

CATALOG NUMBER: 4WSLA-75-L935-UPL15-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	72.0	64.0	96.0	130.4	143.2
115°	74.4	63.2	95.2	131.2	144.0
117.5°	74.4	63.2	92.8	131.2	144.0
120°	72.8	64.0	89.6	129.6	143.2
122.5°	71.2	62.4	86.4	126.4	140.0
125°	68.8	60.8	82.4	120.8	136.0
127.5°	64.8	62.4	78.4	113.6	128.8
130°	61.6	63.2	73.6	106.4	121.6
132.5°	59.2	61.6	68.8	98.4	112.0
135°	56.0	60.8	66.4	89.6	103.2
137.5°	53.6	58.4	62.4	81.6	92.8
140°	51.2	56.8	58.4	71.2	80.8
142.5°	48.0	54.4	55.2	66.4	70.4
145°	45.6	52.8	57.6	61.6	65.6
147.5°	43.2	49.6	56.0	56.8	60.8
150°	42.4	46.4	53.6	54.4	56.0
152.5°	41.6	44.8	49.6	54.4	55.2
155°	41.6	44.0	47.2	51.2	52.0
157.5°	40.8	44.0	45.6	48.8	49.6
160°	40.8	43.2	44.8	47.2	48.0
162.5°	40.8	43.2	44.0	46.4	47.2
165°	40.8	42.4	44.0	45.6	45.6
167.5°	40.8	42.4	43.2	44.8	44.8
170°	40.8	41.6	43.2	44.0	44.0
172.5°	40.0	41.6	42.4	44.0	44.0
175°	40.0	40.8	41.6	42.4	43.2
177.5°	38.4	40.8	41.6	42.4	41.6
180°	39.2	39.2	39.2	39.2	39.2



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	65.6	63.2	92.8	126.4	136.8
110°	69.6	64.0	95.2	128.8	141.6



(END OF REPORT)