

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: P520622

Luminaire Tested: **4WSLA-75-L940-UPL15-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520622  
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-L940-UPL15-UNV-U  
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 4000K, 90 CRI  
LEDS WITH 15% UPLIGHT  
Light Source: -  
Ballast/Driver: -

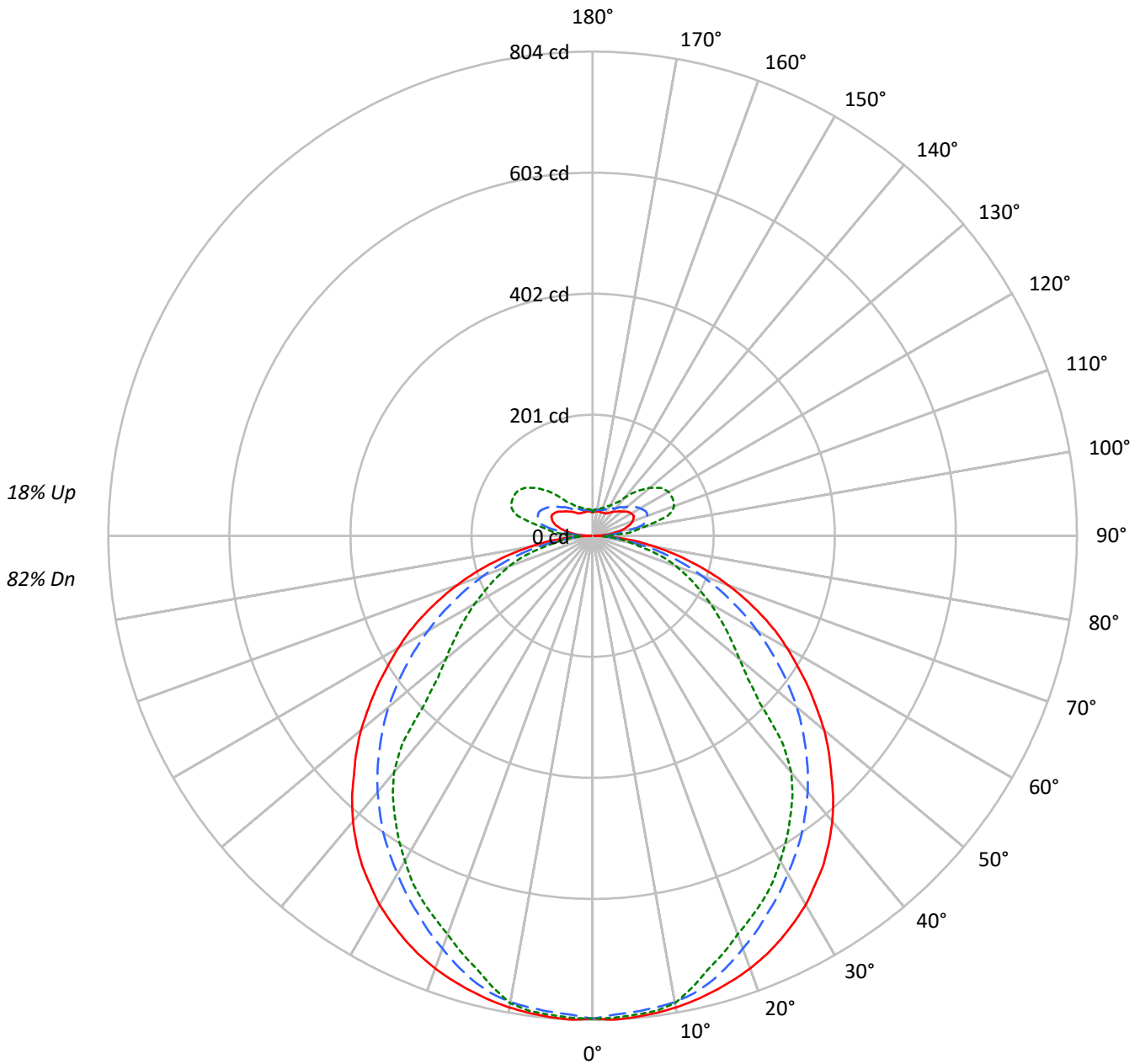
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2597.0 lumens  
Efficiency: N/A  
Efficacy: 111.9 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: P520622

CATALOG NUMBER: 4WSLA-75-L940-UPL15-UNV-U

### Luminous Intensity Polar Plot





TEST NUMBER: P520622

CATALOG NUMBER: 4WSLA-75-L940-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°	4316	4316	4316
5°	4337	4288	4314
10°	4347	4298	4307
15°	4359	4264	4146
20°	4379	4178	4034
25°	4390	4096	3970
30°	4397	4028	3872
35°	4387	3976	3756
40°	4348	3903	3606
45°	4265	3807	2990
50°	4201	3704	2663
55°	4098	3556	2533
60°	4010	3396	2434
65°	3915	3210	2361
70°	3762	3007	2316
75°	3552	2757	2131
80°	3251	2318	1891
85°	2915	2007	1908



TEST NUMBER: P520622

CATALOG NUMBER: 4WSLA-75-L940-UPL15-UNV-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.0	2.9
10°-20°	215.9	8.3
20°-30°	322.2	12.4
30°-40°	383.9	14.8
40°-50°	381.8	14.7
50°-60°	327.3	12.6
60°-70°	246.5	9.5
70°-80°	142.7	5.5
80°-90°	42.9	1.7
90°-100°	46.0	1.8
100°-110°	94.6	3.6
110°-120°	100.0	3.9
120°-130°	83.4	3.2
130°-140°	58.3	2.2
140°-150°	36.3	1.4
150°-160°	22.5	0.9
160°-170°	12.7	0.5
170°-180°	4.1	0.2
<hr/>		
0°-30°	614.1	23.6
0°-40°	998.0	38.4
0°-60°	1707.1	65.7
0°-90°	2139.2	82.4
90°-120°	240.6	9.3
90°-150°	418.6	16.1
90°-180°	458.0	17.6
0°-180°	2597.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	803	800	794	799	799	76
15°	782	782	765	752	744	221
25°	739	729	690	673	668	341
35°	668	650	605	582	572	417
45°	560	546	500	451	393	433
55°	437	430	379	301	270	390
65°	307	300	252	196	185	304
75°	171	165	133	106	102	181
85°	47	42	32	31	31	50
90°	2	11	20	24	26	5
95°	26	35	40	59	63	25
105°	61	63	91	122	129	63
115°	76	64	97	133	146	74
125°	70	62	84	123	138	62
135°	57	62	68	91	105	44
145°	46	54	59	63	67	29
155°	42	45	48	52	53	20
165°	42	43	45	46	46	12
175°	41	42	42	43	44	4
180°	40	40	40	40	40	



TEST NUMBER: P520622

CATALOG NUMBER: 4WSLA-75-L940-UPL15-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	801.9	801.9	801.9	801.9	801.9
2.5°	804.3	802.7	796.2	802.7	801.1
5°	802.7	800.3	793.7	799.4	798.6
7.5°	799.4	797.8	790.5	797.0	796.2
10°	795.4	792.9	786.4	791.3	788.1
12.5°	789.7	788.1	778.3	774.2	767.7
15°	782.4	781.5	765.3	752.3	744.1
17.5°	774.2	771.0	748.2	732.8	725.4
20°	764.5	759.6	729.5	711.6	704.3
22.5°	753.1	745.8	710.8	693.7	686.4
25°	739.3	728.7	689.7	672.6	668.5
27.5°	723.8	711.6	670.1	653.1	648.2
30°	707.5	692.1	648.2	631.9	623.0
32.5°	687.2	672.6	627.0	608.3	598.6
35°	667.7	649.8	605.1	581.5	571.7
37.5°	644.1	626.2	579.9	556.3	544.9
40°	618.9	601.0	555.5	527.8	513.2
42.5°	591.2	575.0	528.6	495.3	466.8
45°	560.3	546.5	500.2	450.6	392.8
47.5°	531.9	518.9	471.7	407.4	348.1
50°	501.8	489.6	442.4	366.8	318.0
52.5°	468.4	459.5	410.7	331.8	292.8
55°	436.7	430.2	379.0	300.9	270.0
57.5°	403.4	396.9	347.3	271.6	247.2
60°	372.5	366.0	315.5	245.6	226.1
62.5°	341.6	332.6	284.6	220.4	204.1
65°	307.4	300.1	252.1	196.0	185.4
67.5°	273.3	266.8	222.0	173.2	165.9
70°	239.1	233.4	191.1	151.3	147.2
72.5°	205.8	198.4	163.5	129.3	127.7
75°	170.8	165.1	132.6	105.7	102.5
77.5°	137.4	132.6	104.1	80.5	78.1
80°	104.9	100.0	74.8	58.6	61.0
82.5°	77.3	70.8	50.4	45.5	48.0
85°	47.2	41.5	32.5	30.9	30.9
87.5°	16.3	15.5	14.6	17.1	17.9
90°	2.4	11.4	19.5	24.4	26.0
92.5°	13.8	20.3	26.8	31.7	33.3
95°	26.0	35.0	39.9	58.6	63.4
97.5°	35.8	46.4	52.0	69.1	74.0
100°	45.5	55.3	73.2	82.1	87.8
102.5°	53.7	61.0	86.2	104.1	107.4
105°	61.0	63.4	91.1	122.0	129.3



TEST NUMBER: P520622

CATALOG NUMBER: 4WSLA-75-L940-UPL15-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	73.2	65.1	97.6	132.6	145.6
115°	75.6	64.2	96.8	133.4	146.4
117.5°	75.6	64.2	94.3	133.4	146.4
120°	74.0	65.1	91.1	131.7	145.6
122.5°	72.4	63.4	87.8	128.5	142.3
125°	69.9	61.8	83.8	122.8	138.3
127.5°	65.9	63.4	79.7	115.5	130.9
130°	62.6	64.2	74.8	108.2	123.6
132.5°	60.2	62.6	69.9	100.0	113.9
135°	56.9	61.8	67.5	91.1	104.9
137.5°	54.5	59.4	63.4	83.0	94.3
140°	52.0	57.7	59.4	72.4	82.1
142.5°	48.8	55.3	56.1	67.5	71.6
145°	46.4	53.7	58.6	62.6	66.7
147.5°	43.9	50.4	56.9	57.7	61.8
150°	43.1	47.2	54.5	55.3	56.9
152.5°	42.3	45.5	50.4	55.3	56.1
155°	42.3	44.7	48.0	52.0	52.9
157.5°	41.5	44.7	46.4	49.6	50.4
160°	41.5	43.9	45.5	48.0	48.8
162.5°	41.5	43.9	44.7	47.2	48.0
165°	41.5	43.1	44.7	46.4	46.4
167.5°	41.5	43.1	43.9	45.5	45.5
170°	41.5	42.3	43.9	44.7	44.7
172.5°	40.7	42.3	43.1	44.7	44.7
175°	40.7	41.5	42.3	43.1	43.9
177.5°	39.0	41.5	42.3	43.1	42.3
180°	39.9	39.9	39.9	39.9	39.9



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	66.7	64.2	94.3	128.5	139.1
110°	70.8	65.1	96.8	130.9	143.9



(END OF REPORT)