

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: P520625

Luminaire Tested: **4WSLA-75-L950-UPL15-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520625  
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-L950-UPL15-UNV-U  
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI  
LEDS WITH 15% UPLIGHT  
Light Source: -  
Ballast/Driver: -

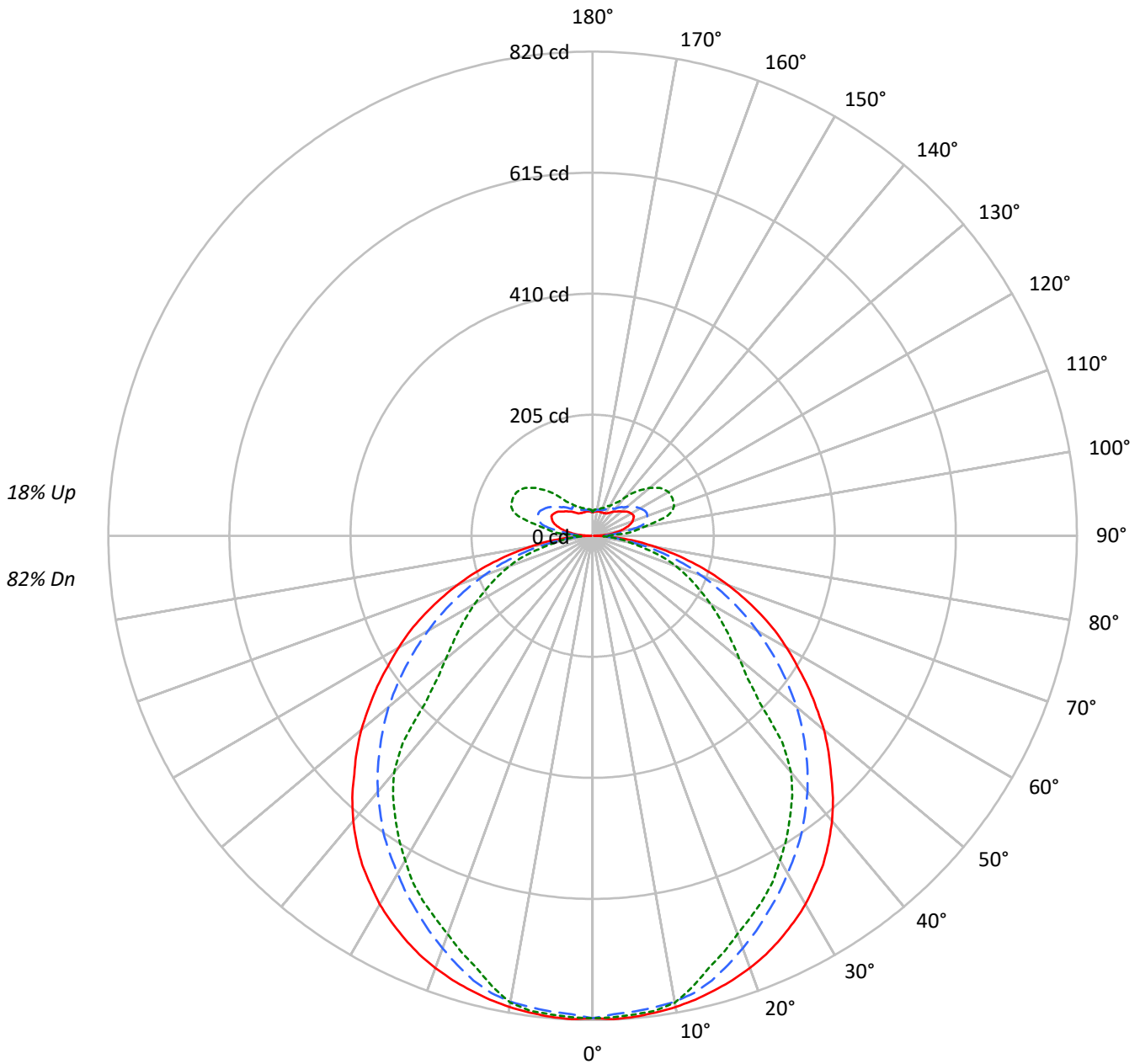
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2646.0 lumens  
Efficiency: N/A  
Efficacy: 114.1 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

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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°	4397	4397	4397
5°	4418	4369	4396
10°	4429	4379	4388
15°	4441	4344	4225
20°	4461	4257	4110
25°	4473	4173	4045
30°	4480	4104	3944
35°	4470	4051	3827
40°	4430	3976	3674
45°	4345	3879	3046
50°	4281	3774	2713
55°	4176	3623	2581
60°	4085	3461	2480
65°	3989	3272	2406
70°	3833	3064	2360
75°	3618	2809	2171
80°	3313	2362	1925
85°	2970	2044	1945



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.4	2.9
10°-20°	220.0	8.3
20°-30°	328.3	12.4
30°-40°	391.1	14.8
40°-50°	389.0	14.7
50°-60°	333.4	12.6
60°-70°	251.1	9.5
70°-80°	145.4	5.5
80°-90°	43.7	1.7
90°-100°	46.9	1.8
100°-110°	96.4	3.6
110°-120°	101.9	3.9
120°-130°	85.0	3.2
130°-140°	59.4	2.2
140°-150°	37.0	1.4
150°-160°	22.9	0.9
160°-170°	12.9	0.5
170°-180°	4.2	0.2
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0°-30°	625.6	23.6
0°-40°	1016.8	38.4
0°-60°	1739.3	65.7
0°-90°	2179.5	82.4
90°-120°	245.2	9.3
90°-150°	426.5	16.1
90°-180°	466.0	17.6
0°-180°	2646.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	817	817	817	817	817	
5°	818	815	809	814	814	78
15°	797	796	780	766	758	225
25°	753	742	703	685	681	347
35°	680	662	616	592	582	425
45°	571	557	510	459	400	441
55°	445	438	386	307	275	398
65°	313	306	257	200	189	310
75°	174	168	135	108	104	184
85°	48	42	33	32	32	51
90°	2	12	20	25	26	5
95°	26	36	41	60	65	25
105°	62	65	93	124	132	64
115°	77	66	99	136	149	75
125°	71	63	85	125	141	63
135°	58	63	69	93	107	45
145°	47	55	60	64	68	30
155°	43	46	49	53	54	20
165°	42	44	46	47	47	12
175°	41	42	43	44	45	4
180°	41	41	41	41	41	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	817.0	817.0	817.0	817.0	817.0
2.5°	819.5	817.8	811.2	817.8	816.2
5°	817.8	815.4	808.7	814.5	813.7
7.5°	814.5	812.9	805.4	812.0	811.2
10°	810.4	807.9	801.3	806.2	802.9
12.5°	804.6	802.9	793.0	788.8	782.2
15°	797.1	796.3	779.7	766.5	758.2
17.5°	788.8	785.5	762.3	746.6	739.1
20°	778.9	773.9	743.3	725.0	717.6
22.5°	767.3	759.8	724.2	706.8	699.3
25°	753.2	742.4	702.7	685.3	681.1
27.5°	737.5	725.0	682.8	665.4	660.4
30°	720.9	705.1	660.4	643.8	634.7
32.5°	700.2	685.3	638.9	619.8	609.9
35°	680.3	662.1	616.5	592.5	582.5
37.5°	656.3	638.0	590.8	566.8	555.2
40°	630.6	612.3	565.9	537.8	522.9
42.5°	602.4	585.8	538.6	504.6	475.6
45°	570.9	556.8	509.6	459.1	400.2
47.5°	541.9	528.7	480.6	415.1	354.6
50°	511.3	498.8	450.8	373.7	324.0
52.5°	477.3	468.2	418.4	338.1	298.3
55°	445.0	438.3	386.1	306.6	275.1
57.5°	411.0	404.4	353.8	276.8	251.9
60°	379.5	372.9	321.5	250.2	230.4
62.5°	348.0	338.9	290.0	224.6	208.0
65°	313.2	305.8	256.9	199.7	188.9
67.5°	278.4	271.8	226.2	176.5	169.0
70°	243.6	237.8	194.7	154.1	150.0
72.5°	209.6	202.2	166.6	131.7	130.1
75°	174.0	168.2	135.1	107.7	104.4
77.5°	140.0	135.1	106.1	82.0	79.5
80°	106.9	101.9	76.2	59.7	62.1
82.5°	78.7	72.1	51.4	46.4	48.9
85°	48.1	42.3	33.1	31.5	31.5
87.5°	16.6	15.7	14.9	17.4	18.2
90°	2.5	11.6	19.9	24.9	26.5
92.5°	14.1	20.7	27.3	32.3	34.0
95°	26.5	35.6	40.6	59.7	64.6
97.5°	36.5	47.2	53.0	70.4	75.4
100°	46.4	56.3	74.6	83.7	89.5
102.5°	54.7	62.1	87.8	106.1	109.4
105°	62.1	64.6	92.8	124.3	131.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	74.6	66.3	99.4	135.1	148.3
115°	77.1	65.5	98.6	135.9	149.2
117.5°	77.1	65.5	96.1	135.9	149.2
120°	75.4	66.3	92.8	134.2	148.3
122.5°	73.7	64.6	89.5	130.9	145.0
125°	71.3	63.0	85.3	125.1	140.9
127.5°	67.1	64.6	81.2	117.7	133.4
130°	63.8	65.5	76.2	110.2	125.9
132.5°	61.3	63.8	71.3	101.9	116.0
135°	58.0	63.0	68.8	92.8	106.9
137.5°	55.5	60.5	64.6	84.5	96.1
140°	53.0	58.8	60.5	73.7	83.7
142.5°	49.7	56.3	57.2	68.8	72.9
145°	47.2	54.7	59.7	63.8	67.9
147.5°	44.7	51.4	58.0	58.8	63.0
150°	43.9	48.1	55.5	56.3	58.0
152.5°	43.1	46.4	51.4	56.3	57.2
155°	43.1	45.6	48.9	53.0	53.9
157.5°	42.3	45.6	47.2	50.5	51.4
160°	42.3	44.7	46.4	48.9	49.7
162.5°	42.3	44.7	45.6	48.1	48.9
165°	42.3	43.9	45.6	47.2	47.2
167.5°	42.3	43.9	44.7	46.4	46.4
170°	42.3	43.1	44.7	45.6	45.6
172.5°	41.4	43.1	43.9	45.6	45.6
175°	41.4	42.3	43.1	43.9	44.7
177.5°	39.8	42.3	43.1	43.9	43.1
180°	40.6	40.6	40.6	40.6	40.6



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	67.9	65.5	96.1	130.9	141.7
110°	72.1	66.3	98.6	133.4	146.7



(END OF REPORT)