

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: P520626

Luminaire Tested: **4WSLA-75-L950-UPL8-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520626  
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-75-L950-UPL8-UNV-U  
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI  
LEDS WITH 8% UPLIGHT  
Light Source: -  
Ballast/Driver: -

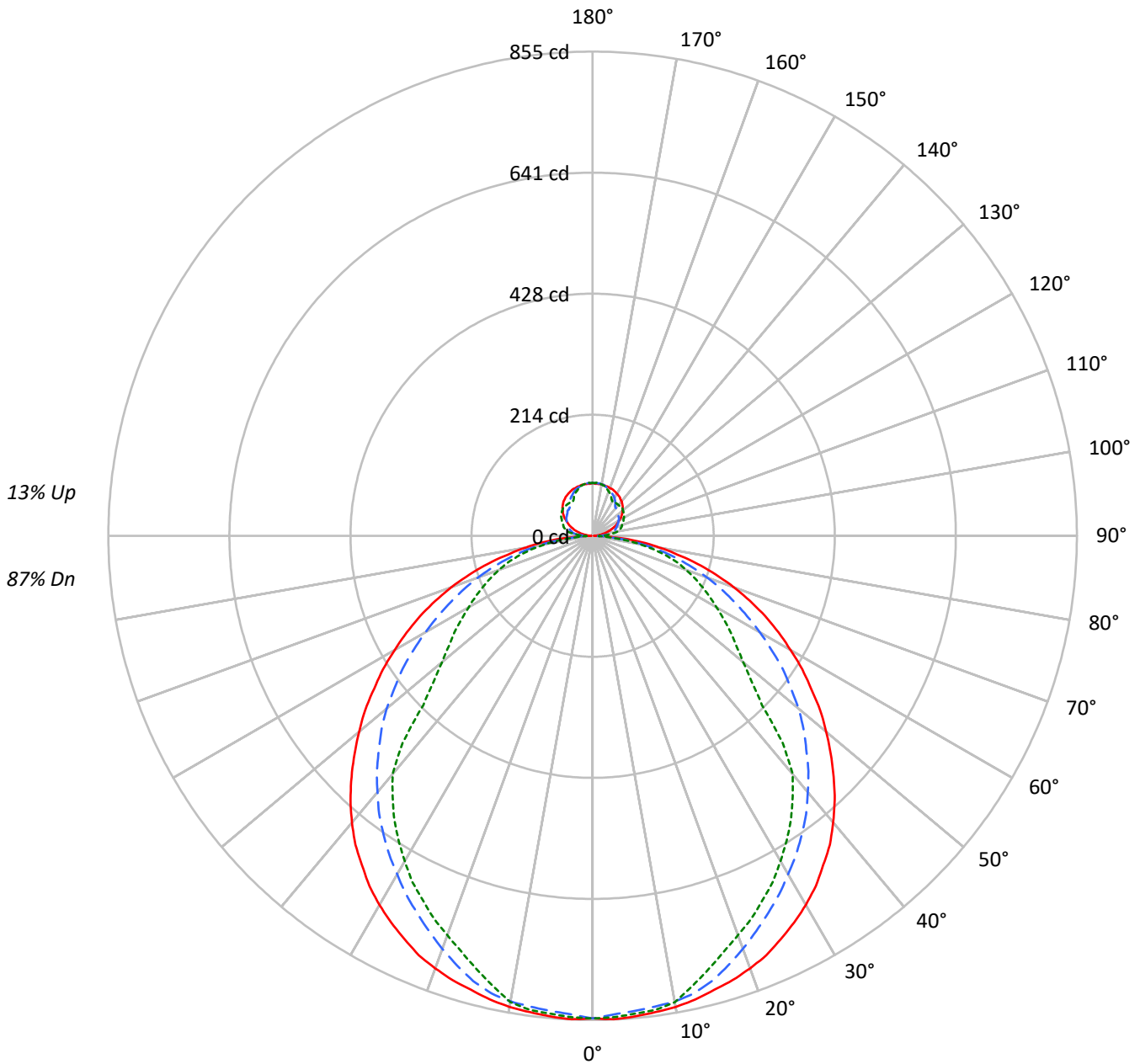
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2652.0 lumens  
Efficiency: N/A  
Efficacy: 114.3 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): 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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87																			
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73																			
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61																			
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51																			
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44																			
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38																			
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33																			
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30																			
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22																			

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

	0°	45°	90°
0°	4587	4587	4587
5°	4604	4551	4577
10°	4617	4563	4570
15°	4625	4536	4413
20°	4656	4445	4298
25°	4667	4361	4216
30°	4678	4290	4122
35°	4664	4229	4012
40°	4643	4152	3859
45°	4582	4060	3220
50°	4507	3973	2905
55°	4418	3842	2795
60°	4342	3669	2719
65°	4279	3514	2716
70°	4167	3377	2758
75°	3978	3213	2778
80°	3725	2889	2585
85°	3409	2044	1741



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.7	3.0
10°-20°	229.4	8.6
20°-30°	342.7	12.9
30°-40°	409.1	15.4
40°-50°	409.1	15.4
50°-60°	354.1	13.4
60°-70°	271.8	10.2
70°-80°	166.5	6.3
80°-90°	46.9	1.8
90°-100°	26.5	1.0
100°-110°	42.0	1.6
110°-120°	49.2	1.9
120°-130°	53.1	2.0
130°-140°	52.3	2.0
140°-150°	46.3	1.7
150°-160°	38.1	1.4
160°-170°	25.5	1.0
170°-180°	8.9	0.3
0°-30°	652.7	24.6
0°-40°	1061.8	40.0
0°-60°	1825.0	68.8
0°-90°	2310.2	87.1
90°-120°	117.7	4.4
90°-150°	269.4	10.2
90°-180°	342.0	12.9
0°-180°	2652.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	852	852	852	852	852	
5°	852	850	842	848	847	81
15°	830	829	814	799	792	235
25°	786	776	734	715	710	363
35°	710	692	644	620	611	445
45°	602	585	533	486	423	464
55°	471	460	410	327	298	422
65°	336	324	276	222	213	332
75°	191	182	154	134	134	202
85°	55	45	33	28	28	58
90°	2	9	14	17	18	4
95°	10	21	28	29	29	10
105°	28	29	42	49	52	30
115°	47	39	49	56	60	46
125°	62	50	56	65	67	56
135°	75	67	62	69	72	58
145°	83	80	70	69	71	52
155°	88	87	82	78	77	41
165°	91	92	90	90	90	26
175°	92	93	93	94	94	9
180°	93	93	93	93	93	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	852.2	852.2	852.2	852.2	852.2
2.5°	854.6	852.2	846.0	852.2	850.9
5°	852.2	849.7	842.3	848.5	847.2
7.5°	848.5	846.0	838.7	846.0	844.8
10°	844.8	842.3	835.0	839.9	836.2
12.5°	838.7	836.2	827.6	821.5	814.1
15°	830.1	828.9	814.1	799.4	792.1
17.5°	822.7	819.0	795.7	778.6	770.0
20°	812.9	806.8	776.1	756.5	750.4
22.5°	801.9	792.1	755.3	736.9	732.0
25°	785.9	776.1	734.4	714.8	709.9
27.5°	770.0	757.7	713.6	694.0	689.1
30°	752.8	735.7	690.3	671.9	663.3
32.5°	733.2	716.1	668.2	647.4	637.6
35°	709.9	691.5	643.7	620.4	610.6
37.5°	687.9	668.2	619.2	593.4	580.0
40°	660.9	641.3	591.0	562.8	549.3
42.5°	632.7	614.3	564.0	529.7	496.6
45°	602.0	584.9	533.4	485.5	423.0
47.5°	570.1	555.4	505.2	440.2	380.1
50°	538.3	523.6	474.5	397.3	347.0
52.5°	506.4	494.1	440.2	361.7	320.0
55°	470.8	459.8	409.5	327.4	297.9
57.5°	438.9	427.9	374.0	299.2	274.6
60°	403.4	393.6	340.9	271.0	252.6
62.5°	370.3	359.3	307.8	246.4	233.0
65°	336.0	323.7	275.9	221.9	213.3
67.5°	300.4	288.1	245.2	199.9	195.0
70°	264.8	255.0	214.6	177.8	175.3
72.5°	228.1	217.0	183.9	156.9	156.9
75°	191.3	181.5	154.5	133.6	133.6
77.5°	153.3	148.4	123.8	109.1	110.4
80°	120.2	114.0	93.2	83.4	83.4
82.5°	88.3	80.9	62.5	55.2	57.6
85°	55.2	45.4	33.1	28.2	28.2
87.5°	17.2	13.5	9.8	11.0	11.0
90°	2.5	8.6	13.5	17.2	18.4
92.5°	6.1	15.9	19.6	23.3	24.5
95°	9.8	20.8	28.2	29.4	29.4
97.5°	13.5	23.3	34.3	39.2	39.2
100°	18.4	24.5	36.8	44.1	45.4
102.5°	23.3	27.0	39.2	46.6	49.0
105°	28.2	29.4	41.7	49.0	51.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	41.7	36.8	46.6	55.2	57.6
115°	46.6	39.2	49.0	56.4	60.1
117.5°	50.3	42.9	51.5	58.9	61.3
120°	53.9	45.4	52.7	61.3	63.8
122.5°	58.9	47.8	55.2	62.5	66.2
125°	62.5	50.3	56.4	65.0	67.4
127.5°	66.2	55.2	57.6	66.2	68.7
130°	68.7	60.1	58.9	67.4	69.9
132.5°	72.3	63.8	60.1	68.7	71.1
135°	74.8	67.4	62.5	68.7	72.3
137.5°	77.2	71.1	62.5	68.7	71.1
140°	79.7	74.8	63.8	68.7	71.1
142.5°	80.9	77.2	65.0	68.7	71.1
145°	83.4	79.7	69.9	68.7	71.1
147.5°	84.6	82.1	73.6	68.7	71.1
150°	85.8	84.6	77.2	69.9	69.9
152.5°	87.1	85.8	79.7	74.8	72.3
155°	88.3	87.1	82.1	78.5	77.2
157.5°	89.5	89.5	84.6	82.1	80.9
160°	89.5	90.7	87.1	84.6	83.4
162.5°	90.7	92.0	88.3	87.1	85.8
165°	90.7	92.0	89.5	89.5	89.5
167.5°	92.0	93.2	92.0	90.7	90.7
170°	92.0	93.2	92.0	92.0	92.0
172.5°	92.0	93.2	93.2	93.2	93.2
175°	92.0	93.2	93.2	94.4	94.4
177.5°	92.0	93.2	93.2	93.2	93.2
180°	93.2	93.2	93.2	93.2	93.2



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	33.1	31.9	42.9	51.5	53.9
110°	36.8	34.3	45.4	52.7	55.2



(END OF REPORT)