

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: P520615

Luminaire Tested: **4WSLA-75-L930-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520615  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2002-689-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 4WSLA-75-L930-UNV-U  
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI  
LEDS WITH NO UPLIGHT  
Light Source: -  
Ballast/Driver: -

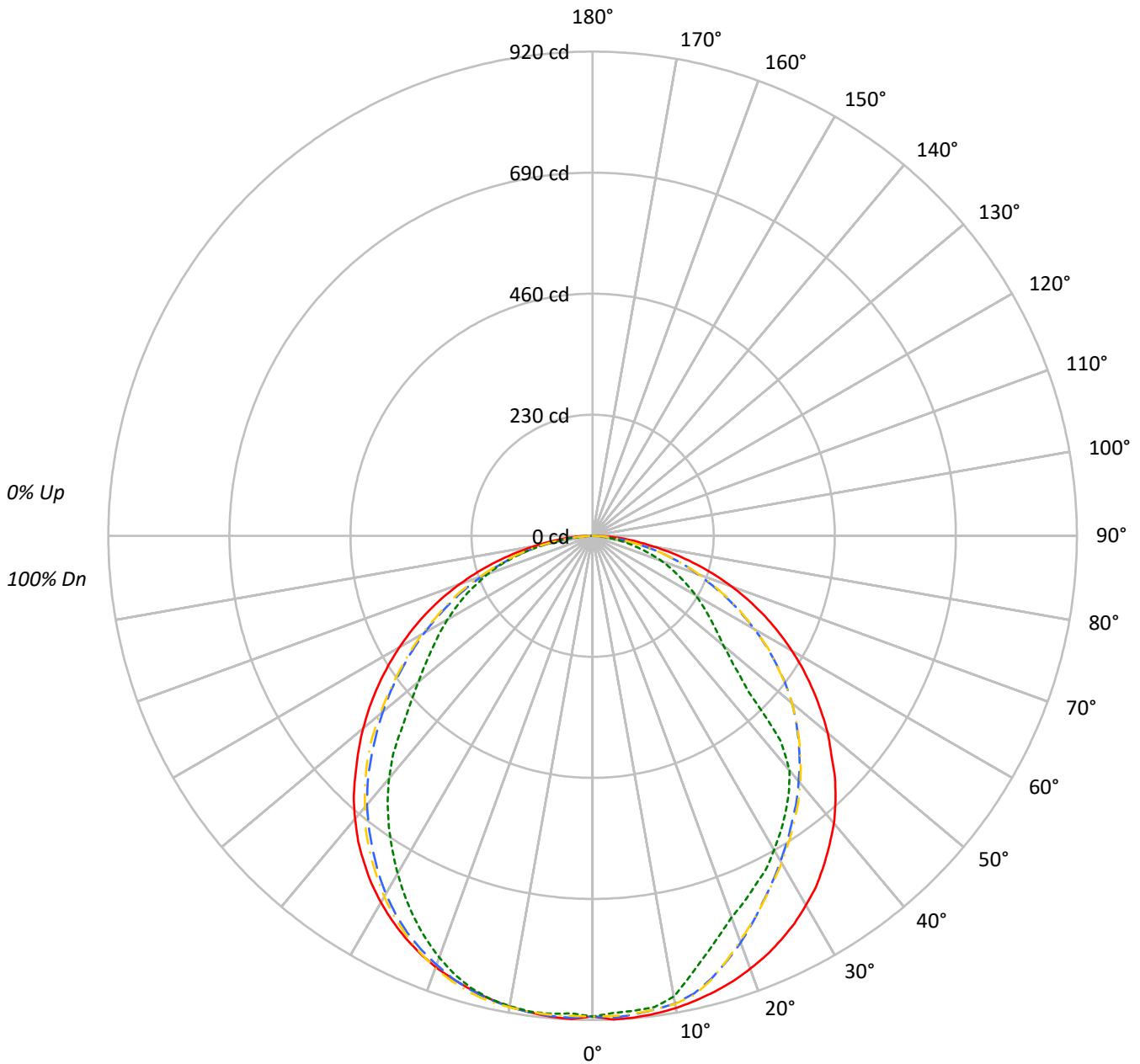
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2450.0 lumens  
Efficiency: N/A  
Efficacy: 105.6 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: 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84																			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70																			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60																			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51																			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

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

	0°	90°	180°	270°
0°	4915	4915	4915	4915
5°	4963	4894	4955	4926
10°	4980	4857	4967	4959
15°	4996	4600	4974	4958
20°	5015	4420	4995	4883
25°	5030	4347	5004	4760
30°	5036	4284	5000	4604
35°	5028	4201	4977	4433
40°	5012	4090	4933	4227
45°	4956	3177	4845	3879
50°	4881	2719	4762	3618
55°	4795	2547	4671	3480
60°	4704	2432	4562	3423
65°	4592	2302	4437	3382
70°	4411	2189	4225	3331
75°	4107	1926	3911	3169
80°	3645	1609	3415	2687
85°	3452	1149	3026	1544



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.8	3.5
10°-20°	247.5	10.1
20°-30°	369.8	15.1
30°-40°	440.2	18.0
40°-50°	440.0	18.0
50°-60°	378.6	15.5
60°-70°	285.0	11.6
70°-80°	162.4	6.6
80°-90°	39.5	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	704.1	28.7
0°-40°	1144.4	46.7
0°-60°	1963.1	80.1
0°-90°	2450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2450.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	913	913	913	913	913	
5°	919	906	917	912	919	87
15°	897	826	893	890	897	253
25°	847	732	843	802	847	391
35°	765	639	758	675	765	479
45°	651	417	636	510	651	501
55°	511	271	498	371	511	457
65°	361	181	348	266	361	356
75°	198	93	188	152	198	209
85°	56	19	49	25	56	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	913.3	913.3	913.3	913.3	913.3	913.3	913.3	913.3	913.3	913.3	913.3
2.5°	920.1	911.8	916.7	915.2	907.4	910.3	913.3	910.3	919.2	911.3	916.7
5°	918.7	909.8	912.8	909.8	905.9	906.9	911.3	908.4	917.2	908.9	915.7
7.5°	915.7	904.9	907.9	906.4	903.0	903.5	907.9	905.4	913.3	905.4	913.3
10°	911.3	900.1	902.5	896.1	888.8	894.2	903.0	900.5	908.9	900.1	908.9
12.5°	904.5	893.2	890.7	869.7	856.4	866.7	893.7	893.7	901.5	893.2	902.5
15°	896.6	884.4	871.1	839.3	825.6	835.9	873.1	885.8	892.7	884.4	893.7
17.5°	887.3	873.1	847.6	810.4	797.6	807.9	846.2	874.1	882.9	874.1	882.4
20°	875.6	858.9	822.6	780.0	771.7	781.0	819.2	859.9	872.1	861.3	867.2
22.5°	862.8	842.7	794.7	756.5	752.6	758.5	793.2	842.2	858.4	847.1	851.1
25°	847.1	823.6	766.8	734.9	732.0	735.4	767.8	821.7	842.7	831.0	832.4
27.5°	830.5	805.0	740.3	716.8	713.9	715.3	742.3	798.6	824.6	812.8	810.4
30°	810.4	783.0	713.9	692.3	689.4	694.8	717.8	775.1	804.5	792.7	785.4
32.5°	790.3	758.9	687.9	671.2	665.4	670.3	692.3	750.6	782.5	770.2	758.0
35°	765.3	733.5	661.0	644.3	639.4	644.8	666.8	725.1	757.5	745.2	728.6
37.5°	739.3	706.5	636.5	621.3	612.4	618.8	640.9	698.7	731.5	718.8	698.2
40°	713.4	678.1	609.0	593.3	582.1	591.4	613.9	670.8	702.1	690.3	666.8
42.5°	683.0	649.7	582.1	560.0	528.2	558.1	585.0	642.8	671.7	660.5	632.0
45°	651.2	619.3	553.7	500.2	417.4	505.1	555.6	613.4	636.5	625.7	594.8
47.5°	614.9	587.9	524.7	443.4	363.1	448.3	525.7	585.5	603.1	591.4	557.1
50°	583.0	556.6	494.4	395.4	324.8	400.8	493.9	554.1	568.8	558.1	519.8
52.5°	546.8	523.8	461.5	352.8	296.4	358.2	460.6	521.8	533.6	520.8	482.6
55°	511.0	490.4	426.8	315.0	271.4	319.9	425.8	488.5	497.8	483.1	443.4
57.5°	474.8	456.1	391.0	281.2	248.4	286.6	393.4	454.2	460.6	441.9	405.7
60°	437.0	421.4	354.7	251.3	225.9	255.8	353.7	419.9	423.8	403.7	368.9
62.5°	399.3	385.1	318.5	223.9	202.8	226.8	320.9	383.6	386.1	367.0	331.2
65°	360.6	347.4	283.2	195.0	180.8	199.9	285.6	345.9	348.4	326.8	294.5
67.5°	320.4	309.7	245.5	173.0	159.7	174.4	250.4	307.7	309.2	288.1	258.7
70°	280.3	270.9	212.2	148.9	139.1	149.4	215.6	265.6	268.5	246.0	222.4
72.5°	239.1	231.7	179.8	124.0	115.1	124.0	181.8	226.8	228.8	210.2	187.2
75°	197.5	192.1	147.0	99.5	92.6	99.0	148.0	188.1	188.1	170.5	152.4
77.5°	157.3	153.4	112.7	76.4	71.5	75.5	113.2	148.9	148.0	134.2	120.0
80°	117.6	114.6	80.8	55.4	51.9	53.9	80.8	110.2	110.2	100.4	83.3
82.5°	84.3	80.8	53.4	36.3	34.3	35.3	52.4	76.9	78.4	71.0	56.3
85°	55.9	48.0	28.9	20.1	18.6	19.1	27.4	44.6	49.0	41.2	29.4
87.5°	24.5	16.2	7.3	2.9	1.5	2.0	5.9	14.2	18.6	12.2	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	913.3	913.3	913.3	913.3	913.3	913.3
2.5°	916.2	908.4	911.3	913.3	911.3	920.1
5°	915.2	911.8	911.3	913.8	909.8	918.7
7.5°	913.8	911.8	911.3	912.3	907.4	915.7
10°	910.3	907.4	908.4	909.8	903.5	911.3
12.5°	904.0	901.0	901.5	906.4	897.6	904.5
15°	893.2	889.8	893.2	898.6	890.7	896.6
17.5°	879.0	873.6	879.5	887.8	881.9	887.3
20°	860.9	852.5	858.9	874.1	868.7	875.6
22.5°	838.8	828.5	834.9	856.9	855.5	862.8
25°	813.8	801.6	810.4	837.3	840.3	847.1
27.5°	785.9	772.2	783.9	815.8	822.6	830.5
30°	755.5	740.8	754.5	791.8	802.1	810.4
32.5°	724.2	708.0	723.7	764.8	779.5	790.3
35°	691.3	674.7	692.3	736.9	754.5	765.3
37.5°	656.1	639.9	659.0	707.5	728.6	739.3
40°	619.8	601.7	623.2	672.7	700.6	713.4
42.5°	582.6	560.0	586.5	639.9	670.3	683.0
45°	540.9	509.6	545.3	605.1	636.9	651.2
47.5°	499.3	467.9	504.2	567.9	602.2	614.9
50°	459.1	432.1	461.0	527.2	566.9	583.0
52.5°	422.3	400.3	424.8	487.5	530.6	546.8
55°	388.0	370.9	391.0	448.3	492.4	511.0
57.5°	355.7	344.9	358.6	411.1	457.1	474.8
60°	325.3	318.0	327.8	374.3	415.5	437.0
62.5°	295.4	291.5	298.9	335.6	376.8	399.3
65°	266.5	265.6	269.5	301.8	336.1	360.6
67.5°	237.6	237.1	239.6	266.0	296.4	320.4
70°	208.7	211.7	210.2	227.3	256.7	280.3
72.5°	179.3	183.7	181.3	192.1	220.5	239.1
75°	146.5	152.4	147.5	159.7	177.4	197.5
77.5°	112.7	119.1	113.2	124.0	143.1	157.3
80°	80.8	86.7	81.8	90.2	106.8	117.6
82.5°	51.0	55.4	51.4	59.8	76.4	84.3
85°	22.5	25.0	26.0	32.3	47.0	55.9
87.5°	1.0	0.5	1.0	6.4	16.7	24.5
90°	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°









(END OF REPORT)