

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: P520624

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

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520624
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-L950-UNV-U
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

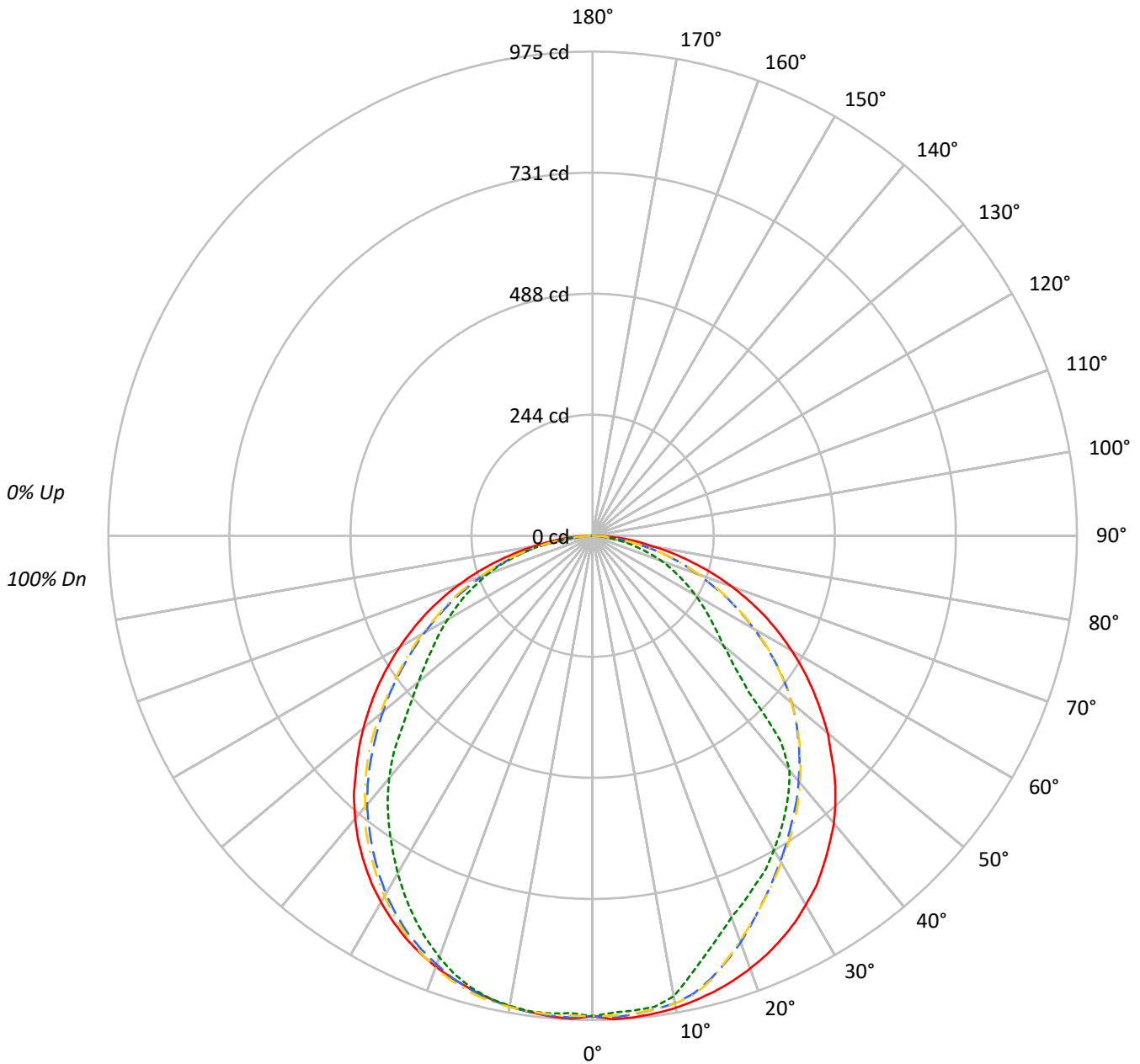
Lumens per Lamp: N/A
Luminaire Lumens: 2595.0 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (A_{in}): 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°	5206	5206	5206	5206
5°	5257	5184	5249	5218
10°	5275	5145	5261	5252
15°	5292	4872	5268	5251
20°	5312	4682	5290	5172
25°	5328	4604	5301	5042
30°	5334	4538	5295	4877
35°	5326	4449	5271	4695
40°	5309	4331	5225	4477
45°	5249	3365	5131	4108
50°	5171	2881	5045	3832
55°	5079	2698	4948	3686
60°	4983	2575	4832	3625
65°	4865	2439	4699	3582
70°	4670	2319	4475	3528
75°	4348	2040	4144	3356
80°	3859	1705	3620	2848
85°	3656	1216	3205	1636



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	3.5
10°-20°	262.2	10.1
20°-30°	391.7	15.1
30°-40°	466.3	18.0
40°-50°	466.1	18.0
50°-60°	401.1	15.5
60°-70°	301.9	11.6
70°-80°	172.0	6.6
80°-90°	41.9	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°	745.8	28.7
0°-40°	1212.1	46.7
0°-60°	2079.2	80.1
0°-90°	2595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2595.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	967	967	967	967	967	
5°	973	960	972	966	973	93
15°	950	874	946	942	950	268
25°	897	775	893	849	897	414
35°	811	677	802	715	811	507
45°	690	442	674	540	690	531
55°	541	288	527	393	541	484
65°	382	192	369	281	382	377
75°	209	98	199	161	209	221
85°	59	20	52	26	59	64
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°	967.3	967.3	967.3	967.3	967.3	967.3	967.3	967.3	967.3	967.3	967.3
2.5°	974.6	965.8	971.0	969.4	961.1	964.2	967.3	964.2	973.6	965.3	971.0
5°	973.0	963.7	966.8	963.7	959.5	960.6	965.3	962.1	971.5	962.7	969.9
7.5°	969.9	958.5	961.6	960.1	956.4	957.0	961.6	959.0	967.3	959.0	967.3
10°	965.3	953.3	955.9	949.2	941.4	947.1	956.4	953.8	962.7	953.3	962.7
12.5°	958.0	946.1	943.5	921.1	907.1	918.0	946.6	946.6	954.9	946.1	955.9
15°	949.7	936.7	922.7	889.0	874.4	885.3	924.8	938.3	945.5	936.7	946.6
17.5°	939.8	924.8	897.8	858.3	844.9	855.8	896.2	925.8	935.2	925.8	934.6
20°	927.4	909.7	871.3	826.2	817.4	827.2	867.7	910.8	923.7	912.3	918.5
22.5°	913.9	892.6	841.7	801.3	797.1	803.3	840.2	892.1	909.2	897.3	901.4
25°	897.3	872.4	812.2	778.4	775.3	778.9	813.2	870.3	892.6	880.1	881.7
27.5°	879.6	852.6	784.1	759.2	756.1	757.7	786.2	845.9	873.4	860.9	858.3
30°	858.3	829.3	756.1	733.3	730.2	735.9	760.3	821.0	852.1	839.7	831.9
32.5°	837.1	803.9	728.6	711.0	704.7	709.9	733.3	795.0	828.8	815.8	802.8
35°	810.6	776.9	700.1	682.4	677.2	682.9	706.3	768.1	802.3	789.3	771.7
37.5°	783.1	748.3	674.1	658.0	648.7	655.4	678.8	740.0	774.8	761.3	739.5
40°	755.6	718.2	645.1	628.5	616.5	626.4	650.2	710.4	743.7	731.2	706.3
42.5°	723.4	688.1	616.5	593.2	559.4	591.1	619.6	680.9	711.5	699.5	669.5
45°	689.7	656.0	586.4	529.9	442.1	535.0	588.5	649.7	674.1	662.7	630.0
47.5°	651.3	622.7	555.8	469.7	384.5	474.8	556.8	620.2	638.8	626.4	590.1
50°	617.6	589.5	523.6	418.8	344.1	424.5	523.1	586.9	602.5	591.1	550.6
52.5°	579.2	554.8	488.9	373.6	314.0	379.4	487.8	552.7	565.1	551.6	511.2
55°	541.3	519.5	452.0	333.7	287.5	338.9	451.0	517.4	527.3	511.7	469.7
57.5°	502.9	483.1	414.1	297.9	263.1	303.6	416.7	481.1	487.8	468.1	429.7
60°	462.9	446.3	375.7	266.2	239.2	270.9	374.7	444.7	448.9	427.6	390.8
62.5°	422.9	407.9	337.3	237.2	214.8	240.3	339.9	406.3	408.9	388.7	350.8
65°	382.0	367.9	300.0	206.5	191.5	211.7	302.6	366.4	369.0	346.1	311.9
67.5°	339.4	328.0	260.0	183.2	169.2	184.7	265.2	325.9	327.5	305.1	274.0
70°	296.8	287.0	224.7	157.8	147.4	158.3	228.3	281.3	284.4	260.5	235.6
72.5°	253.2	245.5	190.5	131.3	122.0	131.3	192.5	240.3	242.4	222.6	198.2
75°	209.1	203.4	155.7	105.3	98.1	104.8	156.7	199.3	199.3	180.6	161.4
77.5°	166.6	162.4	119.4	81.0	75.8	79.9	119.9	157.8	156.7	142.2	127.1
80°	124.5	121.4	85.6	58.6	55.0	57.1	85.6	116.8	116.8	106.4	88.2
82.5°	89.3	85.6	56.6	38.4	36.3	37.4	55.5	81.5	83.0	75.2	59.7
85°	59.2	50.9	30.6	21.3	19.7	20.2	29.1	47.2	51.9	43.6	31.1
87.5°	25.9	17.1	7.8	3.1	1.6	2.1	6.2	15.0	19.7	13.0	4.2
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°	967.3	967.3	967.3	967.3	967.3	967.3
2.5°	970.4	962.1	965.3	967.3	965.3	974.6
5°	969.4	965.8	965.3	967.8	963.7	973.0
7.5°	967.8	965.8	965.3	966.3	961.1	969.9
10°	964.2	961.1	962.1	963.7	957.0	965.3
12.5°	957.5	954.4	954.9	960.1	950.7	958.0
15°	946.1	942.4	946.1	951.8	943.5	949.7
17.5°	931.0	925.3	931.5	940.3	934.1	939.8
20°	911.8	903.0	909.7	925.8	920.1	927.4
22.5°	888.4	877.6	884.3	907.7	906.1	913.9
25°	862.0	849.0	858.3	886.9	890.0	897.3
27.5°	832.4	817.9	830.3	864.1	871.3	879.6
30°	800.2	784.7	799.2	838.6	849.5	858.3
32.5°	767.0	749.9	766.5	810.1	825.7	837.1
35°	732.2	714.6	733.3	780.5	799.2	810.6
37.5°	694.9	677.8	698.0	749.4	771.7	783.1
40°	656.5	637.3	660.1	712.5	742.1	755.6
42.5°	617.0	593.2	621.2	677.8	709.9	723.4
45°	572.9	539.7	577.6	640.9	674.6	689.7
47.5°	528.8	495.6	534.0	601.5	637.8	651.3
50°	486.3	457.7	488.3	558.4	600.4	617.6
52.5°	447.3	424.0	449.9	516.4	562.0	579.2
55°	411.0	392.8	414.1	474.8	521.5	541.3
57.5°	376.8	365.3	379.9	435.4	484.2	502.9
60°	344.6	336.8	347.2	396.5	440.1	462.9
62.5°	312.9	308.8	316.6	355.5	399.1	422.9
65°	282.3	281.3	285.4	319.7	356.0	382.0
67.5°	251.7	251.2	253.8	281.8	314.0	339.4
70°	221.1	224.2	222.6	240.8	271.9	296.8
72.5°	189.9	194.6	192.0	203.4	233.5	253.2
75°	155.2	161.4	156.2	169.2	187.9	209.1
77.5°	119.4	126.1	119.9	131.3	151.5	166.6
80°	85.6	91.9	86.7	95.5	113.1	124.5
82.5°	54.0	58.6	54.5	63.3	81.0	89.3
85°	23.9	26.5	27.5	34.3	49.8	59.2
87.5°	1.0	0.5	1.0	6.7	17.6	25.9
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)