

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: P520618

Luminaire Tested: **4WSLA-75-L935-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520618
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-L935-UNV-U
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

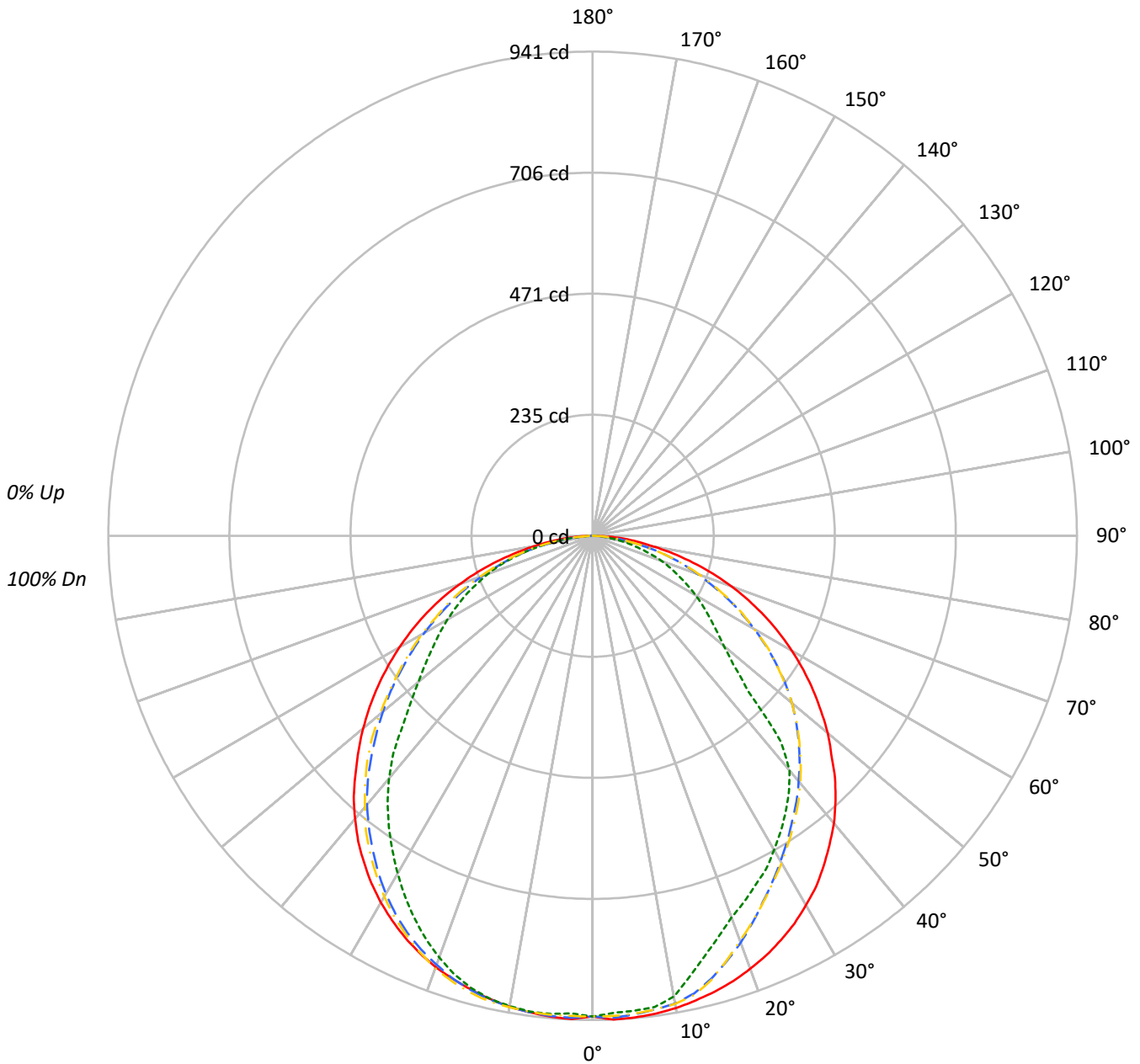
Lumens per Lamp: N/A
Luminaire Lumens: 2506.0 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

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°	5028	5028	5028	5028
5°	5077	5006	5069	5039
10°	5094	4968	5080	5072
15°	5110	4705	5088	5071
20°	5129	4521	5109	4994
25°	5146	4446	5119	4869
30°	5151	4382	5114	4709
35°	5143	4297	5091	4534
40°	5127	4183	5046	4324
45°	5069	3250	4955	3967
50°	4994	2782	4871	3701
55°	4905	2605	4778	3560
60°	4811	2486	4666	3500
65°	4698	2355	4537	3459
70°	4511	2239	4321	3407
75°	4200	1969	4001	3242
80°	3729	1646	3496	2749
85°	3526	1173	3094	1581



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	3.5
10°-20°	253.2	10.1
20°-30°	378.3	15.1
30°-40°	450.3	18.0
40°-50°	450.1	18.0
50°-60°	387.3	15.5
60°-70°	291.5	11.6
70°-80°	166.1	6.6
80°-90°	40.4	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°	720.2	28.7
0°-40°	1170.5	46.7
0°-60°	2007.9	80.1
0°-90°	2506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2506.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	934	934	934	934	934	
5°	940	927	938	933	940	89
15°	917	844	913	910	917	259
25°	866	749	862	820	866	400
35°	783	654	775	690	783	490
45°	666	427	651	521	666	513
55°	523	278	509	379	523	467
65°	369	185	356	272	369	364
75°	202	95	192	156	202	214
85°	57	19	50	26	57	62
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°	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2
2.5°	941.2	932.7	937.7	936.2	928.1	931.1	934.2	931.1	940.2	932.1	937.7
5°	939.7	930.6	933.7	930.6	926.6	927.6	932.1	929.1	938.2	929.6	936.7
7.5°	936.7	925.6	928.6	927.1	923.6	924.1	928.6	926.1	934.2	926.1	934.2
10°	932.1	920.6	923.1	916.6	909.1	914.6	923.6	921.1	929.6	920.6	929.6
12.5°	925.1	913.6	911.1	889.6	876.0	886.5	914.1	914.1	922.1	913.6	923.1
15°	917.1	904.6	891.1	858.5	844.4	855.0	893.1	906.1	913.1	904.6	914.1
17.5°	907.6	893.1	867.0	828.9	815.9	826.4	865.5	894.1	903.1	894.1	902.6
20°	895.6	878.5	841.4	797.8	789.3	798.8	837.9	879.5	892.1	881.0	887.0
22.5°	882.5	862.0	812.9	773.8	769.8	775.8	811.4	861.5	878.0	866.5	870.5
25°	866.5	842.4	784.3	751.7	748.7	752.2	785.3	840.4	862.0	850.0	851.5
27.5°	849.5	823.4	757.2	733.2	730.2	731.7	759.3	816.9	843.4	831.4	828.9
30°	828.9	800.8	730.2	708.1	705.1	710.6	734.2	792.8	822.9	810.9	803.4
32.5°	808.4	776.3	703.6	686.6	680.6	685.6	708.1	767.8	800.3	787.8	775.3
35°	782.8	750.2	676.1	659.0	654.0	659.5	682.1	741.7	774.8	762.3	745.2
37.5°	756.2	722.7	651.0	635.5	626.4	633.0	655.5	714.6	748.2	735.2	714.1
40°	729.7	693.6	622.9	606.9	595.4	604.9	627.9	686.1	718.2	706.1	682.1
42.5°	698.6	664.5	595.4	572.8	540.2	570.8	598.4	657.5	687.1	675.6	646.5
45°	666.0	633.5	566.3	511.7	427.0	516.7	568.3	627.4	651.0	640.0	608.4
47.5°	629.0	601.4	536.7	453.5	371.4	458.6	537.7	598.9	616.9	604.9	569.8
50°	596.4	569.3	505.7	404.4	332.3	409.9	505.2	566.8	581.8	570.8	531.7
52.5°	559.3	535.7	472.1	360.8	303.2	366.3	471.1	533.7	545.8	532.7	493.6
55°	522.7	501.7	436.5	322.2	277.6	327.3	435.5	499.7	509.2	494.1	453.5
57.5°	485.6	466.6	399.9	287.7	254.1	293.2	402.4	464.6	471.1	452.0	415.0
60°	447.0	431.0	362.8	257.1	231.0	261.6	361.8	429.5	433.5	413.0	377.4
62.5°	408.4	393.9	325.8	229.0	207.5	232.0	328.3	392.4	394.9	375.4	338.8
65°	368.9	355.3	289.7	199.5	184.9	204.5	292.2	353.8	356.3	334.3	301.2
67.5°	327.8	316.7	251.1	176.9	163.4	178.4	256.1	314.7	316.2	294.7	264.6
70°	286.7	277.1	217.0	152.4	142.3	152.9	220.5	271.6	274.6	251.6	227.5
72.5°	244.6	237.0	183.9	126.8	117.8	126.8	185.9	232.0	234.0	215.0	191.4
75°	202.0	196.5	150.3	101.7	94.7	101.2	151.3	192.4	192.4	174.4	155.9
77.5°	160.9	156.9	115.3	78.2	73.2	77.2	115.8	152.4	151.3	137.3	122.8
80°	120.3	117.3	82.7	56.6	53.1	55.1	82.7	112.8	112.8	102.7	85.2
82.5°	86.2	82.7	54.6	37.1	35.1	36.1	53.6	78.7	80.2	72.7	57.6
85°	57.1	49.1	29.6	20.5	19.0	19.5	28.1	45.6	50.1	42.1	30.1
87.5°	25.1	16.5	7.5	3.0	1.5	2.0	6.0	14.5	19.0	12.5	4.0
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°	934.2	934.2	934.2	934.2	934.2	934.2
2.5°	937.2	929.1	932.1	934.2	932.1	941.2
5°	936.2	932.7	932.1	934.7	930.6	939.7
7.5°	934.7	932.7	932.1	933.2	928.1	936.7
10°	931.1	928.1	929.1	930.6	924.1	932.1
12.5°	924.6	921.6	922.1	927.1	918.1	925.1
15°	913.6	910.1	913.6	919.1	911.1	917.1
17.5°	899.1	893.6	899.6	908.1	902.1	907.6
20°	880.5	872.0	878.5	894.1	888.5	895.6
22.5°	858.0	847.5	854.0	876.5	875.0	882.5
25°	832.4	819.9	828.9	856.5	859.5	866.5
27.5°	803.9	789.8	801.8	834.4	841.4	849.5
30°	772.8	757.7	771.8	809.9	820.4	828.9
32.5°	740.7	724.2	740.2	782.3	797.3	808.4
35°	707.1	690.1	708.1	753.7	771.8	782.8
37.5°	671.0	654.5	674.1	723.7	745.2	756.2
40°	634.0	615.4	637.5	688.1	716.7	729.7
42.5°	595.9	572.8	599.9	654.5	685.6	698.6
45°	553.3	521.2	557.8	618.9	651.5	666.0
47.5°	510.7	478.6	515.7	580.8	615.9	629.0
50°	469.6	442.0	471.6	539.2	579.8	596.4
52.5°	432.0	409.4	434.5	498.6	542.8	559.3
55°	396.9	379.4	399.9	458.6	503.7	522.7
57.5°	363.8	352.8	366.8	420.5	467.6	485.6
60°	332.8	325.2	335.3	382.9	425.0	447.0
62.5°	302.2	298.2	305.7	343.3	385.4	408.4
65°	272.6	271.6	275.6	308.7	343.8	368.9
67.5°	243.1	242.6	245.1	272.1	303.2	327.8
70°	213.5	216.5	215.0	232.5	262.6	286.7
72.5°	183.4	187.9	185.4	196.5	225.5	244.6
75°	149.8	155.9	150.8	163.4	181.4	202.0
77.5°	115.3	121.8	115.8	126.8	146.3	160.9
80°	82.7	88.7	83.7	92.2	109.3	120.3
82.5°	52.1	56.6	52.6	61.1	78.2	86.2
85°	23.1	25.6	26.6	33.1	48.1	57.1
87.5°	1.0	0.5	1.0	6.5	17.0	25.1
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)