

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: P520606

Luminaire Tested: **4WSLA-75-L835-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520606
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-L835-UNV-U
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 80 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

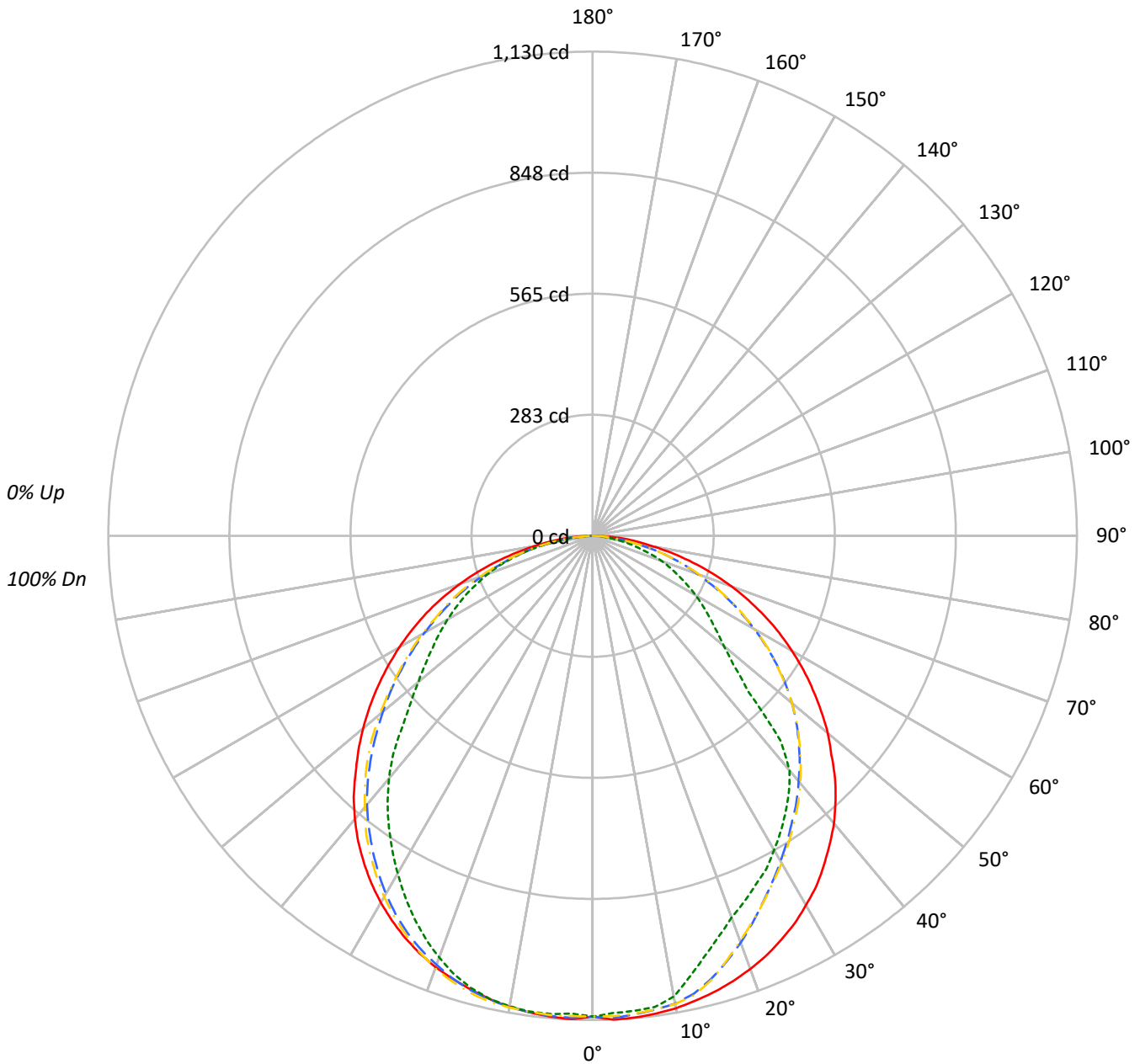
Lumens per Lamp: N/A
Luminaire Lumens: 3010.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

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				20				20	
RC	80				70				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				100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84				84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70				70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60				60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39				39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34				34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6039	6039	6039	6039
5°	6097	6013	6088	6052
10°	6119	5967	6102	6092
15°	6138	5651	6111	6091
20°	6161	5430	6137	5999
25°	6181	5340	6148	5848
30°	6187	5263	6142	5656
35°	6177	5161	6114	5446
40°	6157	5024	6060	5193
45°	6089	3904	5951	4765
50°	5997	3342	5852	4445
55°	5891	3129	5739	4276
60°	5779	2987	5605	4205
65°	5642	2828	5450	4155
70°	5418	2691	5191	4091
75°	5045	2366	4806	3893
80°	4479	1977	4197	3301
85°	4236	1414	3717	1896



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	3.5
10°-20°	304.1	10.1
20°-30°	454.4	15.1
30°-40°	540.9	18.0
40°-50°	540.6	18.0
50°-60°	465.2	15.5
60°-70°	350.1	11.6
70°-80°	199.5	6.6
80°-90°	48.6	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°	865.1	28.7
0°-40°	1405.9	46.7
0°-60°	2411.8	80.1
0°-90°	3010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3010.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1122	1122	1122	1122	1122	
5°	1129	1113	1127	1120	1129	107
15°	1102	1014	1097	1093	1102	311
25°	1041	899	1035	985	1041	480
35°	940	786	931	829	940	588
45°	800	513	782	626	800	616
55°	628	334	612	456	628	561
65°	443	222	428	326	443	437
75°	243	114	231	187	243	257
85°	69	23	60	31	69	75
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°	1122.0	1122.0	1122.0	1122.0	1122.0	1122.0	1122.0	1122.0	1122.0	1122.0	1122.0
2.5°	1130.5	1120.2	1126.2	1124.4	1114.8	1118.4	1122.0	1118.4	1129.3	1119.6	1126.2
5°	1128.6	1117.8	1121.4	1117.8	1113.0	1114.2	1119.6	1116.0	1126.8	1116.6	1125.0
7.5°	1125.0	1111.8	1115.4	1113.6	1109.4	1110.0	1115.4	1112.4	1122.0	1112.4	1122.0
10°	1119.6	1105.8	1108.8	1101.0	1091.9	1098.6	1109.4	1106.4	1116.6	1105.8	1116.6
12.5°	1111.2	1097.3	1094.3	1068.5	1052.2	1064.8	1098.0	1098.0	1107.6	1097.3	1108.8
15°	1101.6	1086.5	1070.3	1031.1	1014.3	1026.9	1072.7	1088.3	1096.7	1086.5	1098.0
17.5°	1090.1	1072.7	1041.4	995.6	980.0	992.6	1039.6	1073.9	1084.7	1073.9	1084.1
20°	1075.7	1055.2	1010.7	958.3	948.1	959.5	1006.5	1056.4	1071.5	1058.2	1065.4
22.5°	1060.0	1035.3	976.4	929.4	924.6	931.8	974.6	1034.7	1054.6	1040.8	1045.6
25°	1040.8	1011.9	942.0	902.9	899.3	903.5	943.3	1009.5	1035.3	1020.9	1022.7
27.5°	1020.3	989.0	909.5	880.6	877.0	878.8	911.9	981.2	1013.1	998.6	995.6
30°	995.6	961.9	877.0	850.6	846.9	853.6	881.9	952.3	988.4	973.9	964.9
32.5°	970.9	932.4	845.1	824.7	817.4	823.5	850.6	922.2	961.3	946.3	931.2
35°	940.2	901.1	812.0	791.6	785.5	792.2	819.2	890.9	930.6	915.6	895.1
37.5°	908.3	868.0	781.9	763.3	752.4	760.3	787.3	858.4	898.7	883.1	857.8
40°	876.4	833.1	748.2	729.0	715.1	726.5	754.2	824.1	862.6	848.1	819.2
42.5°	839.1	798.2	715.1	688.0	648.9	685.6	718.7	789.8	825.3	811.4	776.5
45°	800.0	760.9	680.2	614.6	512.9	620.6	682.6	753.6	781.9	768.7	730.8
47.5°	755.4	722.3	644.7	544.8	446.0	550.8	645.9	719.3	741.0	726.5	684.4
50°	716.3	683.8	607.4	485.8	399.1	492.4	606.8	680.8	698.9	685.6	638.7
52.5°	671.8	643.5	567.0	433.4	364.2	440.0	565.8	641.1	655.5	639.9	592.9
55°	627.8	602.5	524.3	387.1	333.5	393.1	523.1	600.1	611.6	593.5	544.8
57.5°	583.3	560.4	480.4	345.5	305.2	352.1	483.4	558.0	565.8	543.0	498.4
60°	536.9	517.7	435.8	308.8	277.5	314.2	434.6	515.9	520.7	496.0	453.3
62.5°	490.6	473.1	391.3	275.1	249.2	278.7	394.3	471.3	474.3	450.9	406.9
65°	443.0	426.8	347.9	239.6	222.1	245.6	350.9	425.0	428.0	401.5	361.8
67.5°	393.7	380.4	301.6	212.5	196.2	214.3	307.6	378.0	379.8	353.9	317.8
70°	344.3	332.9	260.6	183.0	171.0	183.6	264.9	326.3	329.9	302.2	273.3
72.5°	293.7	284.7	220.9	152.3	141.5	152.3	223.3	278.7	281.1	258.2	229.9
75°	242.6	236.0	180.6	122.2	113.8	121.6	181.8	231.1	231.1	209.5	187.2
77.5°	193.2	188.4	138.4	93.9	87.9	92.7	139.0	183.0	181.8	164.9	147.5
80°	144.5	140.9	99.3	68.0	63.8	66.2	99.3	135.4	135.4	123.4	102.3
82.5°	103.5	99.3	65.6	44.5	42.1	43.3	64.4	94.5	96.3	87.3	69.2
85°	68.6	59.0	35.5	24.7	22.9	23.5	33.7	54.8	60.2	50.6	36.1
87.5°	30.1	19.9	9.0	3.6	1.8	2.4	7.2	17.5	22.9	15.0	4.8
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°	1122.0	1122.0	1122.0	1122.0	1122.0	1122.0
2.5°	1125.6	1116.0	1119.6	1122.0	1119.6	1130.5
5°	1124.4	1120.2	1119.6	1122.6	1117.8	1128.6
7.5°	1122.6	1120.2	1119.6	1120.8	1114.8	1125.0
10°	1118.4	1114.8	1116.0	1117.8	1110.0	1119.6
12.5°	1110.6	1107.0	1107.6	1113.6	1102.8	1111.2
15°	1097.3	1093.1	1097.3	1104.0	1094.3	1101.6
17.5°	1079.9	1073.3	1080.5	1090.7	1083.5	1090.1
20°	1057.6	1047.4	1055.2	1073.9	1067.3	1075.7
22.5°	1030.5	1017.9	1025.7	1052.8	1051.0	1060.0
25°	999.8	984.8	995.6	1028.7	1032.3	1040.8
27.5°	965.5	948.7	963.1	1002.2	1010.7	1020.3
30°	928.2	910.1	927.0	972.7	985.4	995.6
32.5°	889.7	869.8	889.1	939.6	957.7	970.9
35°	849.3	828.9	850.6	905.3	927.0	940.2
37.5°	806.0	786.1	809.6	869.2	895.1	908.3
40°	761.5	739.2	765.7	826.5	860.8	876.4
42.5°	715.7	688.0	720.5	786.1	823.5	839.1
45°	664.5	626.0	670.0	743.4	782.5	800.0
47.5°	613.4	574.9	619.4	697.7	739.8	755.4
50°	564.0	530.9	566.4	647.7	696.5	716.3
52.5°	518.9	491.8	521.9	598.9	651.9	671.8
55°	476.7	455.7	480.4	550.8	605.0	627.8
57.5°	437.0	423.8	440.6	505.0	561.6	583.3
60°	399.7	390.7	402.7	459.9	510.5	536.9
62.5°	363.0	358.2	367.2	412.3	462.9	490.6
65°	327.5	326.3	331.1	370.8	412.9	443.0
67.5°	291.9	291.3	294.4	326.9	364.2	393.7
70°	256.4	260.0	258.2	279.3	315.4	344.3
72.5°	220.3	225.7	222.7	236.0	270.9	293.7
75°	180.0	187.2	181.2	196.2	217.9	242.6
77.5°	138.4	146.3	139.0	152.3	175.8	193.2
80°	99.3	106.5	100.5	110.8	131.2	144.5
82.5°	62.6	68.0	63.2	73.4	93.9	103.5
85°	27.7	30.7	31.9	39.7	57.8	68.6
87.5°	1.2	0.6	1.2	7.8	20.5	30.1
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)