

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: P520502

Luminaire Tested: **4WSLA-125-L940-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 4WSLA-125-L940-UPL15-UNV-U
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 4000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

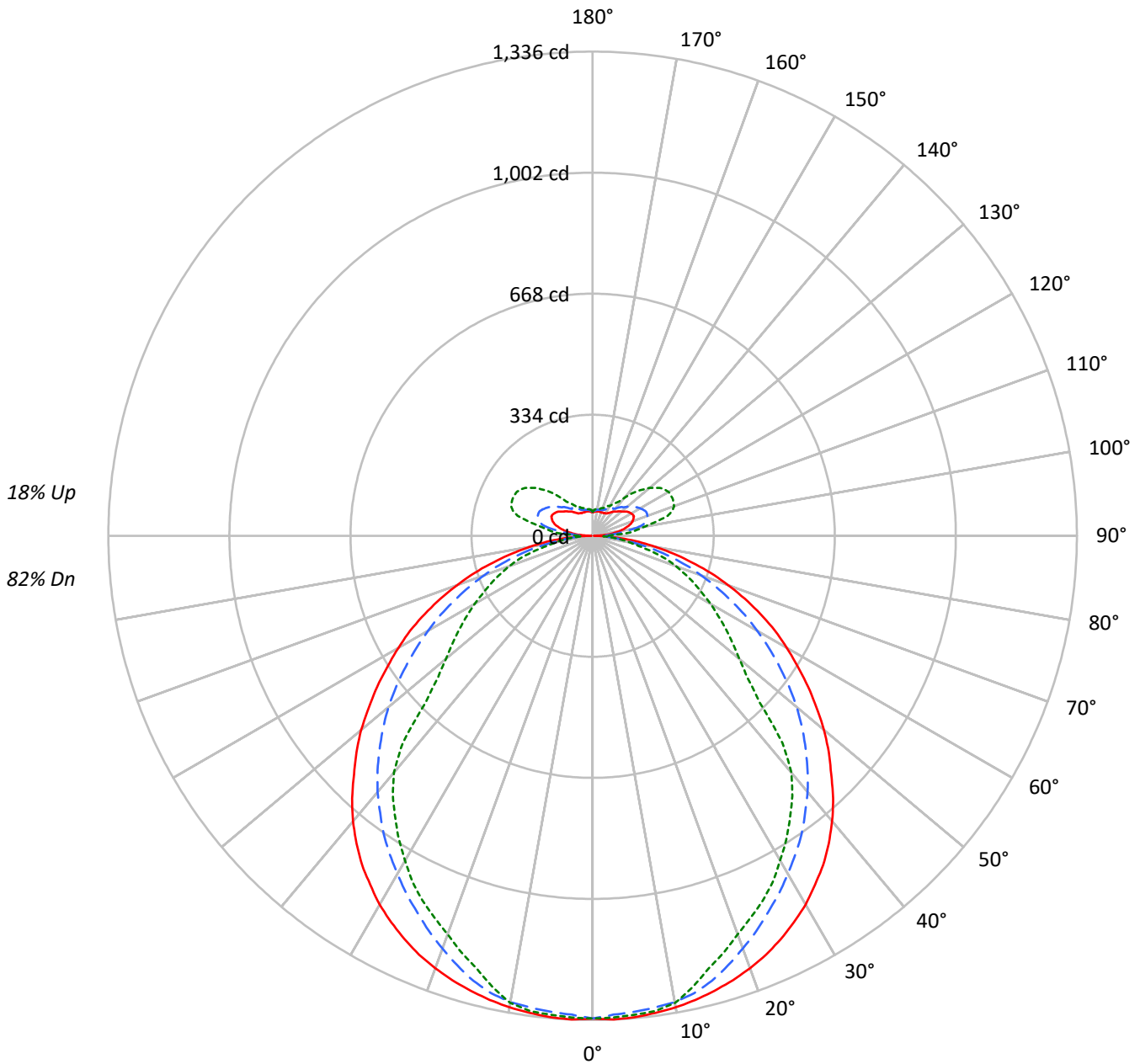
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4314.0 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 38.8
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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82																			
1	105	100	96	92	100	96	93	89	89	86	83	82	80	78	76	74	72	69																			
2	96	88	81	76	91	84	78	73	78	73	69	72	68	65	67	64	61	58																			
3	87	77	69	63	83	74	67	61	69	63	58	64	59	55	59	55	52	49																			
4	80	68	60	53	76	66	58	52	61	55	50	57	51	47	53	48	45	42																			
5	73	61	52	46	70	59	51	45	55	48	43	51	45	41	48	43	39	36																			
6	68	55	46	40	65	53	45	39	50	43	38	46	40	36	43	38	34	32																			
7	63	50	41	35	60	48	40	35	45	38	33	42	36	32	39	34	30	28																			
8	58	45	37	32	56	44	36	31	41	35	30	39	33	29	36	31	27	25																			
9	55	42	34	28	52	40	33	28	38	31	27	36	30	26	33	28	25	23																			
10	51	38	31	26	49	37	30	25	35	29	24	33	27	23	31	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7169	7169	7169
5°	7204	7123	7167
10°	7220	7139	7154
15°	7241	7083	6887
20°	7273	6940	6700
25°	7292	6803	6595
30°	7304	6691	6431
35°	7287	6604	6240
40°	7223	6483	5989
45°	7085	6323	4966
50°	6979	6153	4423
55°	6807	5907	4208
60°	6660	5642	4043
65°	6504	5333	3922
70°	6250	4996	3847
75°	5899	4579	3539
80°	5402	3852	3140
85°	4841	3335	3168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	2.9
10°-20°	358.6	8.3
20°-30°	535.2	12.4
30°-40°	637.7	14.8
40°-50°	634.3	14.7
50°-60°	543.6	12.6
60°-70°	409.4	9.5
70°-80°	237.1	5.5
80°-90°	71.3	1.7
90°-100°	76.5	1.8
100°-110°	157.1	3.6
110°-120°	166.1	3.9
120°-130°	138.6	3.2
130°-140°	96.8	2.2
140°-150°	60.3	1.4
150°-160°	37.4	0.9
160°-170°	21.0	0.5
170°-180°	6.8	0.2
0°-30°	1020.1	23.6
0°-40°	1657.7	38.4
0°-60°	2835.6	65.7
0°-90°	3553.4	82.4
90°-120°	399.7	9.3
90°-150°	695.4	16.1
90°-180°	761.0	17.6
0°-180°	4314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1333	1329	1318	1328	1327	127
15°	1300	1298	1271	1250	1236	367
25°	1228	1210	1146	1117	1110	566
35°	1109	1079	1005	966	950	693
45°	931	908	831	748	652	720
55°	726	715	630	500	448	649
65°	511	498	419	326	308	505
75°	284	274	220	176	170	301
85°	78	69	54	51	51	84
90°	4	19	32	40	43	8
95°	43	58	66	97	105	41
105°	101	105	151	203	215	105
115°	126	107	161	222	243	122
125°	116	103	139	204	230	103
135°	95	103	112	151	174	74
145°	77	89	97	104	111	49
155°	70	74	80	86	88	32
165°	69	72	74	77	77	20
175°	68	69	70	72	73	6
180°	66	66	66	66	66	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1332.0	1332.0	1332.0	1332.0	1332.0
2.5°	1336.1	1333.4	1322.6	1333.4	1330.7
5°	1333.4	1329.3	1318.5	1328.0	1326.6
7.5°	1328.0	1325.3	1313.1	1323.9	1322.6
10°	1321.2	1317.2	1306.4	1314.5	1309.1
12.5°	1311.8	1309.1	1292.9	1286.1	1275.3
15°	1299.6	1298.3	1271.3	1249.6	1236.1
17.5°	1286.1	1280.7	1242.9	1217.2	1205.1
20°	1269.9	1261.8	1211.8	1182.1	1169.9
22.5°	1251.0	1238.8	1180.7	1152.4	1140.2
25°	1228.0	1210.5	1145.6	1117.2	1110.5
27.5°	1202.4	1182.1	1113.2	1084.8	1076.7
30°	1175.3	1149.7	1076.7	1049.7	1034.8
32.5°	1141.6	1117.2	1041.6	1010.5	994.3
35°	1109.1	1079.4	1005.1	965.9	949.7
37.5°	1070.0	1040.2	963.2	924.1	905.1
40°	1028.1	998.4	922.7	876.8	852.5
42.5°	982.1	955.1	878.1	822.7	775.4
45°	930.8	907.8	830.8	748.4	652.5
47.5°	883.5	861.9	783.6	676.8	578.2
50°	833.5	813.3	734.9	609.3	528.2
52.5°	778.2	763.3	682.2	551.2	486.3
55°	725.5	714.7	629.5	499.9	448.5
57.5°	670.1	659.3	576.9	451.2	410.7
60°	618.7	607.9	524.2	408.0	375.6
62.5°	567.4	552.5	472.8	366.1	339.1
65°	510.7	498.5	418.8	325.6	308.0
67.5°	453.9	443.1	368.8	287.8	275.6
70°	397.2	387.7	317.5	251.3	244.5
72.5°	341.8	329.6	271.5	214.8	212.1
75°	283.7	274.2	220.2	175.6	170.2
77.5°	228.3	220.2	172.9	133.7	129.7
80°	174.3	166.2	124.3	97.3	101.3
82.5°	128.3	117.5	83.8	75.7	79.7
85°	78.4	68.9	54.0	51.3	51.3
87.5°	27.0	25.7	24.3	28.4	29.7
90°	4.1	18.9	32.4	40.5	43.2
92.5°	23.0	33.8	44.6	52.7	55.4
95°	43.2	58.1	66.2	97.3	105.4
97.5°	59.4	77.0	86.5	114.8	122.9
100°	75.7	91.9	121.6	136.4	145.9
102.5°	89.2	101.3	143.2	172.9	178.3
105°	101.3	105.4	151.3	202.6	214.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	121.6	108.1	162.1	220.2	241.8
115°	125.6	106.7	160.8	221.6	243.2
117.5°	125.6	106.7	156.7	221.6	243.2
120°	122.9	108.1	151.3	218.9	241.8
122.5°	120.2	105.4	145.9	213.5	236.4
125°	116.2	102.7	139.1	204.0	229.7
127.5°	109.4	105.4	132.4	191.8	217.5
130°	104.0	106.7	124.3	179.7	205.3
132.5°	100.0	104.0	116.2	166.2	189.1
135°	94.6	102.7	112.1	151.3	174.3
137.5°	90.5	98.6	105.4	137.8	156.7
140°	86.5	95.9	98.6	120.2	136.4
142.5°	81.1	91.9	93.2	112.1	118.9
145°	77.0	89.2	97.3	104.0	110.8
147.5°	73.0	83.8	94.6	95.9	102.7
150°	71.6	78.4	90.5	91.9	94.6
152.5°	70.2	75.7	83.8	91.9	93.2
155°	70.2	74.3	79.7	86.5	87.8
157.5°	68.9	74.3	77.0	82.4	83.8
160°	68.9	73.0	75.7	79.7	81.1
162.5°	68.9	73.0	74.3	78.4	79.7
165°	68.9	71.6	74.3	77.0	77.0
167.5°	68.9	71.6	73.0	75.7	75.7
170°	68.9	70.2	73.0	74.3	74.3
172.5°	67.5	70.2	71.6	74.3	74.3
175°	67.5	68.9	70.2	71.6	73.0
177.5°	64.8	68.9	70.2	71.6	70.2
180°	66.2	66.2	66.2	66.2	66.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	110.8	106.7	156.7	213.5	231.0
110°	117.5	108.1	160.8	217.5	239.1



(END OF REPORT)