

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: P520506

Luminaire Tested: **4WSLA-125-L950-UPL8-UNV-U**

Issue Date: 5/3/2021

Test Information

Test Method: LM-79-08
Report Number: P520506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 4WSLA-125-L950-UPL8-UNV-U
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

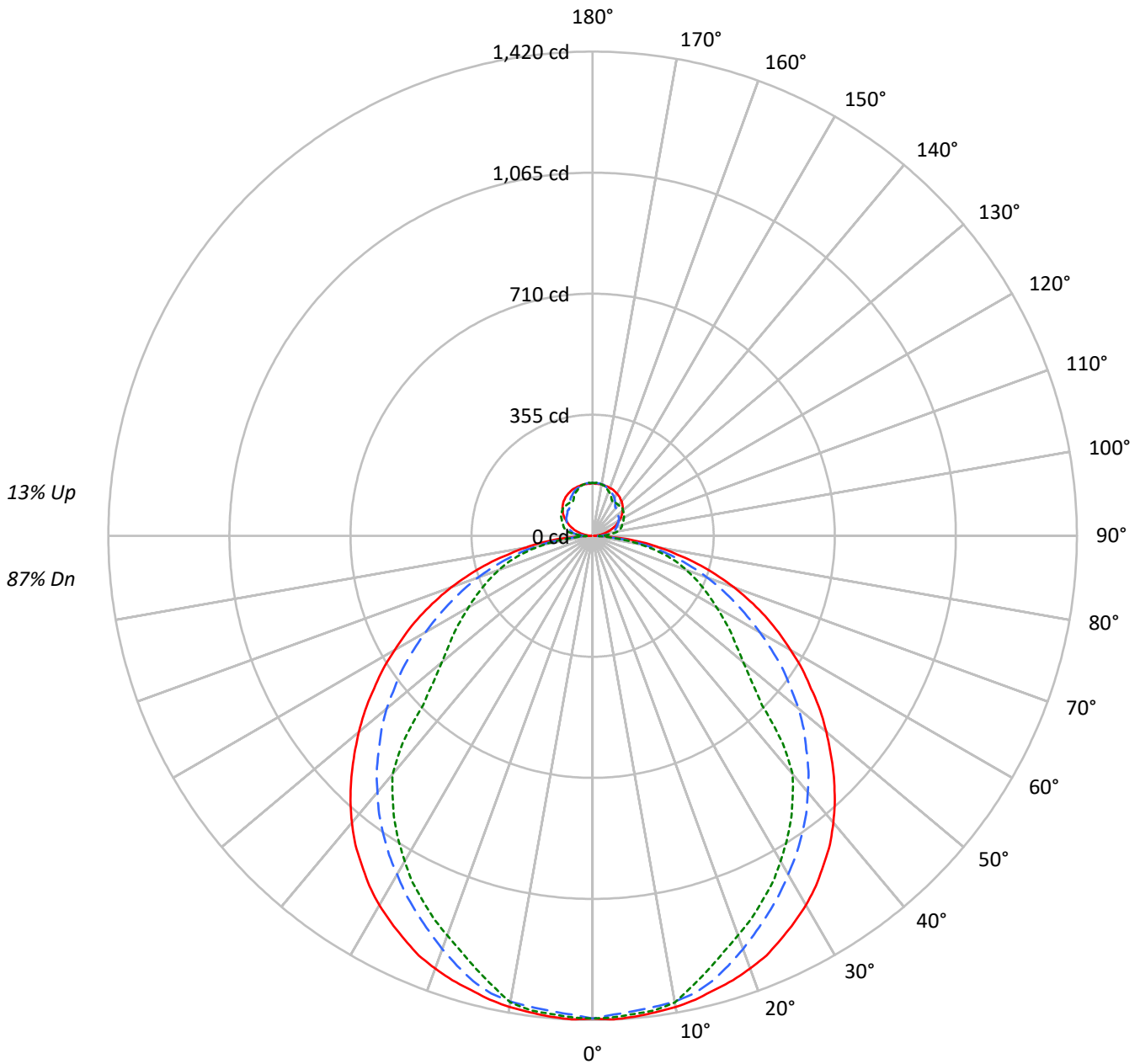
Lumens per Lamp: N/A
Luminaire Lumens: 4406.0 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87																			
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73																			
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61																			
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51																			
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44																			
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38																			
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33																			
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30																			
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7620	7620	7620
5°	7649	7561	7605
10°	7670	7581	7593
15°	7684	7536	7332
20°	7735	7385	7140
25°	7754	7246	7004
30°	7773	7127	6848
35°	7750	7027	6665
40°	7714	6898	6412
45°	7613	6744	5349
50°	7488	6600	4827
55°	7340	6384	4645
60°	7214	6096	4517
65°	7109	5836	4513
70°	6924	5610	4584
75°	6608	5338	4616
80°	6186	4798	4293
85°	5663	3396	2896



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	3.0
10°-20°	381.0	8.6
20°-30°	569.4	12.9
30°-40°	679.6	15.4
40°-50°	679.7	15.4
50°-60°	588.2	13.4
60°-70°	451.5	10.2
70°-80°	276.7	6.3
80°-90°	77.9	1.8
90°-100°	44.0	1.0
100°-110°	69.9	1.6
110°-120°	81.7	1.9
120°-130°	88.2	2.0
130°-140°	86.9	2.0
140°-150°	76.9	1.7
150°-160°	63.3	1.4
160°-170°	42.3	1.0
170°-180°	14.7	0.3
0°-30°	1084.4	24.6
0°-40°	1764.1	40.0
0°-60°	3032.0	68.8
0°-90°	3838.1	87.1
90°-120°	195.6	4.4
90°-150°	447.6	10.2
90°-180°	568.0	12.9
0°-180°	4406.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1416	1416	1416	1416	1416	
5°	1416	1412	1400	1410	1408	135
15°	1379	1377	1353	1328	1316	390
25°	1306	1290	1220	1188	1180	602
35°	1180	1149	1070	1031	1014	739
45°	1000	972	886	807	703	771
55°	782	764	680	544	495	701
65°	558	538	458	369	354	551
75°	318	302	257	222	222	335
85°	92	75	55	47	47	96
90°	4	14	22	28	31	6
95°	16	35	47	49	49	16
105°	47	49	69	82	86	49
115°	77	65	82	94	100	76
125°	104	84	94	108	112	93
135°	124	112	104	114	120	96
145°	138	132	116	114	118	86
155°	147	145	136	130	128	68
165°	151	153	149	149	149	43
175°	153	155	155	157	157	15
180°	155	155	155	155	155	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1415.8	1415.8	1415.8	1415.8	1415.8
2.5°	1419.8	1415.8	1405.6	1415.8	1413.7
5°	1415.8	1411.7	1399.5	1409.6	1407.6
7.5°	1409.6	1405.6	1393.3	1405.6	1403.5
10°	1403.5	1399.5	1387.2	1395.4	1389.3
12.5°	1393.3	1389.3	1375.0	1364.8	1352.6
15°	1379.1	1377.0	1352.6	1328.2	1315.9
17.5°	1366.9	1360.8	1322.0	1293.5	1279.3
20°	1350.6	1340.4	1289.5	1256.9	1246.7
22.5°	1332.2	1315.9	1254.8	1224.3	1216.1
25°	1305.8	1289.5	1220.2	1187.6	1179.5
27.5°	1279.3	1258.9	1185.6	1153.0	1144.8
30°	1250.8	1222.2	1146.9	1116.3	1102.0
32.5°	1218.2	1189.6	1110.2	1075.6	1059.3
35°	1179.5	1148.9	1069.5	1030.7	1014.5
37.5°	1142.8	1110.2	1028.7	985.9	963.5
40°	1098.0	1065.4	981.9	935.0	912.6
42.5°	1051.1	1020.6	937.0	880.0	825.0
45°	1000.2	971.7	886.1	806.7	702.8
47.5°	947.2	922.8	839.3	731.3	631.5
50°	894.3	869.8	788.3	660.0	576.5
52.5°	841.3	820.9	731.3	600.9	531.7
55°	782.2	763.9	680.4	543.9	495.0
57.5°	729.3	710.9	621.3	497.0	456.3
60°	670.2	653.9	566.3	450.2	419.6
62.5°	615.2	596.9	511.3	409.4	387.0
65°	558.2	537.8	458.3	368.7	354.4
67.5°	499.1	478.7	407.4	332.0	323.9
70°	440.0	423.7	356.5	295.4	291.3
72.5°	378.9	360.6	305.6	260.7	260.7
75°	317.8	301.5	256.7	222.0	222.0
77.5°	254.6	246.5	205.7	181.3	183.3
80°	199.6	189.4	154.8	138.5	138.5
82.5°	146.7	134.4	103.9	91.7	95.7
85°	91.7	75.4	55.0	46.9	46.9
87.5°	28.5	22.4	16.3	18.3	18.3
90°	4.1	14.3	22.4	28.5	30.6
92.5°	10.2	26.5	32.6	38.7	40.7
95°	16.3	34.6	46.9	48.9	48.9
97.5°	22.4	38.7	57.0	65.2	65.2
100°	30.6	40.7	61.1	73.3	75.4
102.5°	38.7	44.8	65.2	77.4	81.5
105°	46.9	48.9	69.3	81.5	85.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	69.3	61.1	77.4	91.7	95.7
115°	77.4	65.2	81.5	93.7	99.8
117.5°	83.5	71.3	85.6	97.8	101.9
120°	89.6	75.4	87.6	101.9	105.9
122.5°	97.8	79.4	91.7	103.9	110.0
125°	103.9	83.5	93.7	108.0	112.0
127.5°	110.0	91.7	95.7	110.0	114.1
130°	114.1	99.8	97.8	112.0	116.1
132.5°	120.2	105.9	99.8	114.1	118.1
135°	124.3	112.0	103.9	114.1	120.2
137.5°	128.3	118.1	103.9	114.1	118.1
140°	132.4	124.3	105.9	114.1	118.1
142.5°	134.4	128.3	108.0	114.1	118.1
145°	138.5	132.4	116.1	114.1	118.1
147.5°	140.6	136.5	122.2	114.1	118.1
150°	142.6	140.6	128.3	116.1	116.1
152.5°	144.6	142.6	132.4	124.3	120.2
155°	146.7	144.6	136.5	130.4	128.3
157.5°	148.7	148.7	140.6	136.5	134.4
160°	148.7	150.7	144.6	140.6	138.5
162.5°	150.7	152.8	146.7	144.6	142.6
165°	150.7	152.8	148.7	148.7	148.7
167.5°	152.8	154.8	152.8	150.7	150.7
170°	152.8	154.8	152.8	152.8	152.8
172.5°	152.8	154.8	154.8	154.8	154.8
175°	152.8	154.8	154.8	156.9	156.9
177.5°	152.8	154.8	154.8	154.8	154.8
180°	154.8	154.8	154.8	154.8	154.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	55.0	53.0	71.3	85.6	89.6
110°	61.1	57.0	75.4	87.6	91.7



(END OF REPORT)