

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: P520499

Luminaire Tested: **4WSLA-125-L935-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520499
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-L935-UPL15-UNV-U
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

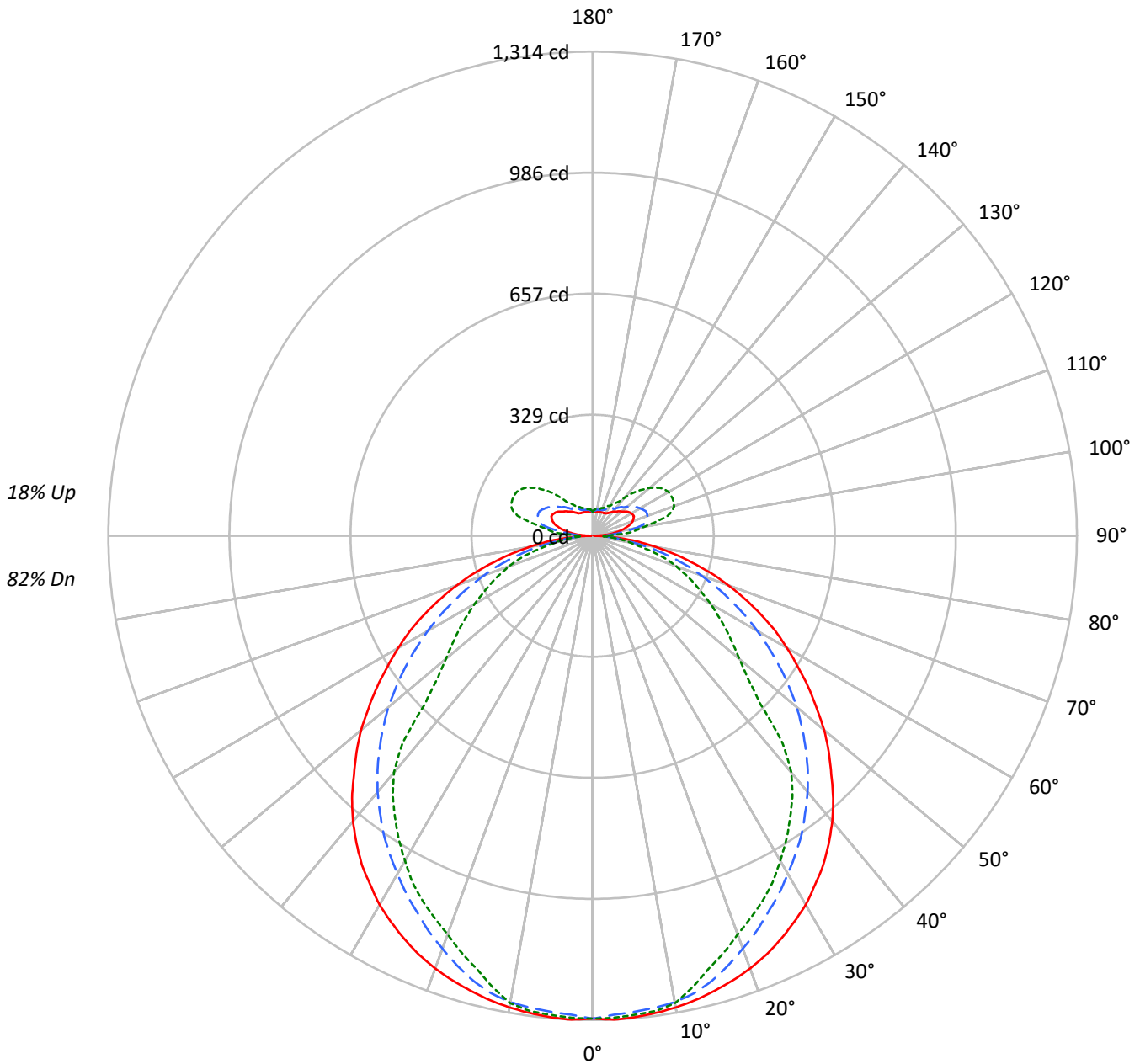
Lumens per Lamp: N/A
Luminaire Lumens: 4244.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

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°	7053	7053	7053
5°	7087	7008	7051
10°	7103	7024	7038
15°	7124	6968	6776
20°	7155	6828	6592
25°	7174	6693	6488
30°	7186	6582	6326
35°	7169	6497	6138
40°	7106	6377	5892
45°	6970	6221	4886
50°	6866	6054	4351
55°	6697	5811	4140
60°	6552	5551	3977
65°	6398	5247	3859
70°	6148	4914	3786
75°	5804	4504	3483
80°	5312	3790	3090
85°	4761	3285	3118



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	2.9
10°-20°	352.8	8.3
20°-30°	526.5	12.4
30°-40°	627.3	14.8
40°-50°	624.0	14.7
50°-60°	534.8	12.6
60°-70°	402.8	9.5
70°-80°	233.3	5.5
80°-90°	70.1	1.7
90°-100°	75.3	1.8
100°-110°	154.6	3.6
110°-120°	163.4	3.9
120°-130°	136.3	3.2
130°-140°	95.2	2.2
140°-150°	59.3	1.4
150°-160°	36.7	0.9
160°-170°	20.7	0.5
170°-180°	6.7	0.2
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0°-30°	1003.5	23.6
0°-40°	1630.8	38.4
0°-60°	2789.6	65.7
0°-90°	3495.8	82.4
90°-120°	393.3	9.3
90°-150°	684.1	16.1
90°-180°	748.0	17.6
0°-180°	4244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1312	1308	1297	1306	1305	125
15°	1278	1277	1251	1229	1216	361
25°	1208	1191	1127	1099	1092	557
35°	1091	1062	989	950	934	682
45°	916	893	817	736	642	708
55°	714	703	619	492	441	638
65°	502	490	412	320	303	497
75°	279	270	217	173	168	296
85°	77	68	53	50	50	82
90°	4	19	32	40	42	8
95°	42	57	65	96	104	41
105°	100	104	149	199	211	103
115°	124	105	158	218	239	120
125°	114	101	137	201	226	102
135°	93	101	110	149	171	73
145°	76	88	96	102	109	48
155°	69	73	78	85	86	32
165°	68	70	73	76	76	19
175°	66	68	69	70	72	6
180°	65	65	65	65	65	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1310.4	1310.4	1310.4	1310.4	1310.4
2.5°	1314.4	1311.8	1301.1	1311.8	1309.1
5°	1311.8	1307.8	1297.1	1306.4	1305.1
7.5°	1306.4	1303.8	1291.8	1302.5	1301.1
10°	1299.8	1295.8	1285.2	1293.2	1287.8
12.5°	1290.5	1287.8	1271.9	1265.2	1254.6
15°	1278.5	1277.2	1250.6	1229.4	1216.1
17.5°	1265.2	1259.9	1222.7	1197.5	1185.5
20°	1249.3	1241.3	1192.1	1162.9	1150.9
22.5°	1230.7	1218.7	1161.6	1133.7	1121.7
25°	1208.1	1190.8	1127.0	1099.1	1092.5
27.5°	1182.8	1162.9	1095.1	1067.2	1059.2
30°	1156.3	1131.0	1059.2	1032.7	1018.0
32.5°	1123.0	1099.1	1024.7	994.1	978.2
35°	1091.1	1061.9	988.8	950.3	934.3
37.5°	1052.6	1023.4	947.6	909.1	890.5
40°	1011.4	982.2	907.7	862.5	838.6
42.5°	966.2	939.6	863.9	809.4	762.9
45°	915.7	893.1	817.4	736.3	641.9
47.5°	869.2	847.9	770.8	665.8	568.8
50°	820.0	800.1	723.0	599.4	519.7
52.5°	765.5	750.9	671.2	542.2	478.5
55°	713.7	703.1	619.3	491.7	441.2
57.5°	659.2	648.6	567.5	443.9	404.0
60°	608.7	598.1	515.7	401.4	369.5
62.5°	558.2	543.6	465.2	360.2	333.6
65°	502.4	490.4	412.0	320.3	303.0
67.5°	446.6	435.9	362.8	283.1	271.1
70°	390.7	381.4	312.3	247.2	240.6
72.5°	336.2	324.3	267.1	211.3	208.7
75°	279.1	269.8	216.6	172.8	167.5
77.5°	224.6	216.6	170.1	131.6	127.6
80°	171.4	163.5	122.3	95.7	99.7
82.5°	126.3	115.6	82.4	74.4	78.4
85°	77.1	67.8	53.2	50.5	50.5
87.5°	26.6	25.3	23.9	27.9	29.2
90°	4.0	18.6	31.9	39.9	42.5
92.5°	22.6	33.2	43.9	51.8	54.5
95°	42.5	57.1	65.1	95.7	103.7
97.5°	58.5	75.8	85.1	113.0	120.9
100°	74.4	90.4	119.6	134.2	143.5
102.5°	87.7	99.7	140.9	170.1	175.4
105°	99.7	103.7	148.9	199.4	211.3



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CATALOG NUMBER: 4WSLA-125-L935-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	119.6	106.3	159.5	216.6	237.9
115°	123.6	105.0	158.2	218.0	239.2
117.5°	123.6	105.0	154.2	218.0	239.2
120°	120.9	106.3	148.9	215.3	237.9
122.5°	118.3	103.7	143.5	210.0	232.6
125°	114.3	101.0	136.9	200.7	225.9
127.5°	107.7	103.7	130.2	188.7	214.0
130°	102.3	105.0	122.3	176.8	202.0
132.5°	98.3	102.3	114.3	163.5	186.1
135°	93.0	101.0	110.3	148.9	171.4
137.5°	89.0	97.0	103.7	135.6	154.2
140°	85.1	94.4	97.0	118.3	134.2
142.5°	79.7	90.4	91.7	110.3	117.0
145°	75.8	87.7	95.7	102.3	109.0
147.5°	71.8	82.4	93.0	94.4	101.0
150°	70.4	77.1	89.0	90.4	93.0
152.5°	69.1	74.4	82.4	90.4	91.7
155°	69.1	73.1	78.4	85.1	86.4
157.5°	67.8	73.1	75.8	81.1	82.4
160°	67.8	71.8	74.4	78.4	79.7
162.5°	67.8	71.8	73.1	77.1	78.4
165°	67.8	70.4	73.1	75.8	75.8
167.5°	67.8	70.4	71.8	74.4	74.4
170°	67.8	69.1	71.8	73.1	73.1
172.5°	66.5	69.1	70.4	73.1	73.1
175°	66.5	67.8	69.1	70.4	71.8
177.5°	63.8	67.8	69.1	70.4	69.1
180°	65.1	65.1	65.1	65.1	65.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	109.0	105.0	154.2	210.0	227.3
110°	115.6	106.3	158.2	214.0	235.2



(END OF REPORT)