

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: P520496

Luminaire Tested: **4WSLA-125-L930-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520496
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-L930-UPL15-UNV-U
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

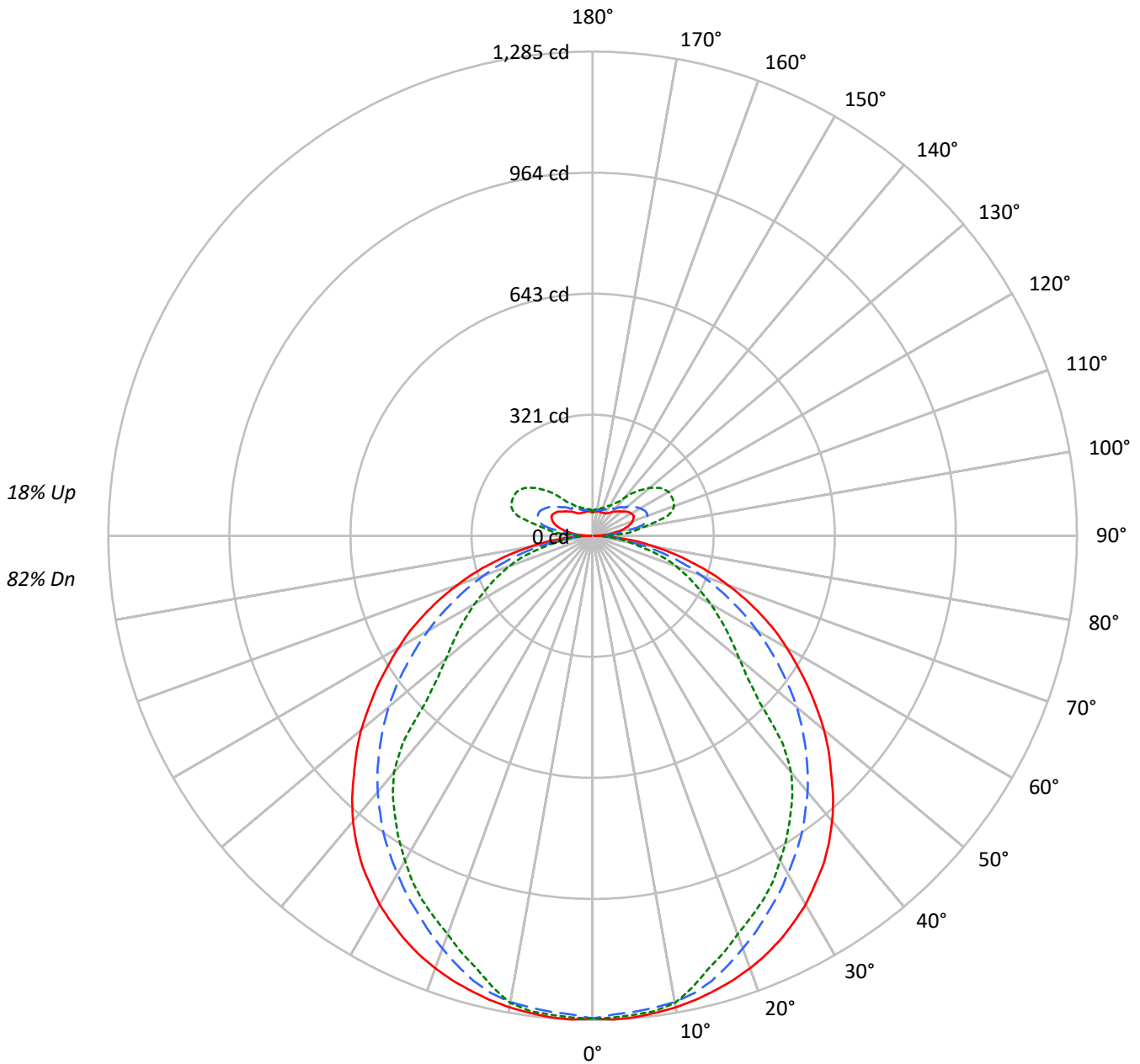
Lumens per Lamp: N/A
Luminaire Lumens: 4149.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

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°	6895	6895	6895
5°	6928	6851	6893
10°	6944	6866	6880
15°	6964	6812	6624
20°	6995	6675	6444
25°	7014	6543	6342
30°	7025	6435	6185
35°	7008	6351	6001
40°	6947	6235	5760
45°	6814	6082	4777
50°	6713	5918	4253
55°	6547	5682	4048
60°	6406	5426	3888
65°	6254	5130	3772
70°	6011	4804	3701
75°	5675	4404	3404
80°	5195	3704	3019
85°	4656	3211	3051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	2.9
10°-20°	344.9	8.3
20°-30°	514.7	12.4
30°-40°	613.3	14.8
40°-50°	610.0	14.7
50°-60°	522.8	12.6
60°-70°	393.8	9.5
70°-80°	228.0	5.5
80°-90°	68.6	1.7
90°-100°	73.6	1.8
100°-110°	151.1	3.6
110°-120°	159.8	3.9
120°-130°	133.3	3.2
130°-140°	93.1	2.2
140°-150°	58.0	1.4
150°-160°	35.9	0.9
160°-170°	20.2	0.5
170°-180°	6.5	0.2
0°-30°	981.0	23.6
0°-40°	1594.3	38.4
0°-60°	2727.2	65.7
0°-90°	3417.5	82.4
90°-120°	384.4	9.3
90°-150°	668.7	16.1
90°-180°	731.0	17.6
0°-180°	4149.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1281	1281	1281	1281	1281	
5°	1282	1278	1268	1277	1276	122
15°	1250	1249	1223	1202	1189	353
25°	1181	1164	1102	1074	1068	545
35°	1067	1038	967	929	913	666
45°	895	873	799	720	628	692
55°	698	687	606	481	431	624
65°	491	479	403	313	296	486
75°	273	264	212	169	164	289
85°	75	66	52	49	49	80
90°	4	18	31	39	42	8
95°	42	56	64	94	101	40
105°	97	101	146	195	207	101
115°	121	103	155	213	234	118
125°	112	99	134	196	221	99
135°	91	99	108	146	168	71
145°	74	86	94	100	106	47
155°	68	72	77	83	84	31
165°	66	69	72	74	74	19
175°	65	66	68	69	70	6
180°	64	64	64	64	64	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1281.1	1281.1	1281.1	1281.1	1281.1
2.5°	1285.0	1282.4	1272.0	1282.4	1279.8
5°	1282.4	1278.5	1268.1	1277.2	1275.9
7.5°	1277.2	1274.6	1262.9	1273.3	1272.0
10°	1270.7	1266.8	1256.4	1264.2	1259.0
12.5°	1261.6	1259.0	1243.4	1236.9	1226.5
15°	1249.9	1248.6	1222.6	1201.8	1188.8
17.5°	1236.9	1231.7	1195.3	1170.7	1159.0
20°	1221.3	1213.5	1165.5	1136.9	1125.2
22.5°	1203.1	1191.4	1135.6	1108.3	1096.6
25°	1181.1	1164.2	1101.8	1074.5	1068.0
27.5°	1156.4	1136.9	1070.6	1043.3	1035.5
30°	1130.4	1105.7	1035.5	1009.5	995.3
32.5°	1097.9	1074.5	1001.7	971.9	956.3
35°	1066.7	1038.1	966.7	929.0	913.4
37.5°	1029.0	1000.5	926.4	888.7	870.5
40°	988.8	960.2	887.4	843.2	819.8
42.5°	944.6	918.6	844.5	791.3	745.8
45°	895.2	873.1	799.1	719.8	627.6
47.5°	849.7	828.9	753.6	650.9	556.1
50°	801.7	782.2	706.8	586.0	508.0
52.5°	748.4	734.1	656.1	530.1	467.7
55°	697.7	687.3	605.5	480.7	431.4
57.5°	644.4	634.1	554.8	434.0	395.0
60°	595.1	584.7	504.1	392.4	361.2
62.5°	545.7	531.4	454.8	352.1	326.1
65°	491.1	479.4	402.8	313.1	296.2
67.5°	436.6	426.2	354.7	276.7	265.1
70°	382.0	372.9	305.3	241.7	235.2
72.5°	328.7	317.0	261.2	206.6	204.0
75°	272.9	263.8	211.8	168.9	163.7
77.5°	219.6	211.8	166.3	128.6	124.7
80°	167.6	159.8	119.5	93.5	97.4
82.5°	123.4	113.0	80.6	72.8	76.7
85°	75.4	66.3	52.0	49.4	49.4
87.5°	26.0	24.7	23.4	27.3	28.6
90°	3.9	18.2	31.2	39.0	41.6
92.5°	22.1	32.5	42.9	50.7	53.3
95°	41.6	55.9	63.7	93.5	101.3
97.5°	57.2	74.1	83.2	110.4	118.2
100°	72.8	88.4	116.9	131.2	140.3
102.5°	85.8	97.4	137.7	166.3	171.5
105°	97.4	101.3	145.5	194.9	206.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	116.9	103.9	155.9	211.8	232.6
115°	120.8	102.6	154.6	213.1	233.9
117.5°	120.8	102.6	150.7	213.1	233.9
120°	118.2	103.9	145.5	210.5	232.6
122.5°	115.6	101.3	140.3	205.3	227.4
125°	111.7	98.7	133.8	196.2	220.9
127.5°	105.2	101.3	127.3	184.5	209.2
130°	100.0	102.6	119.5	172.8	197.5
132.5°	96.1	100.0	111.7	159.8	181.9
135°	91.0	98.7	107.8	145.5	167.6
137.5°	87.1	94.8	101.3	132.5	150.7
140°	83.2	92.2	94.8	115.6	131.2
142.5°	78.0	88.4	89.7	107.8	114.3
145°	74.1	85.8	93.5	100.0	106.5
147.5°	70.2	80.6	91.0	92.2	98.7
150°	68.9	75.4	87.1	88.4	91.0
152.5°	67.6	72.8	80.6	88.4	89.7
155°	67.6	71.5	76.7	83.2	84.5
157.5°	66.3	71.5	74.1	79.3	80.6
160°	66.3	70.2	72.8	76.7	78.0
162.5°	66.3	70.2	71.5	75.4	76.7
165°	66.3	68.9	71.5	74.1	74.1
167.5°	66.3	68.9	70.2	72.8	72.8
170°	66.3	67.6	70.2	71.5	71.5
172.5°	65.0	67.6	68.9	71.5	71.5
175°	65.0	66.3	67.6	68.9	70.2
177.5°	62.4	66.3	67.6	68.9	67.6
180°	63.7	63.7	63.7	63.7	63.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	106.5	102.6	150.7	205.3	222.2
110°	113.0	103.9	154.6	209.2	230.0



(END OF REPORT)