

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: P520505

Luminaire Tested: **4WSLA-125-L950-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520505
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-L950-UPL15-UNV-U
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

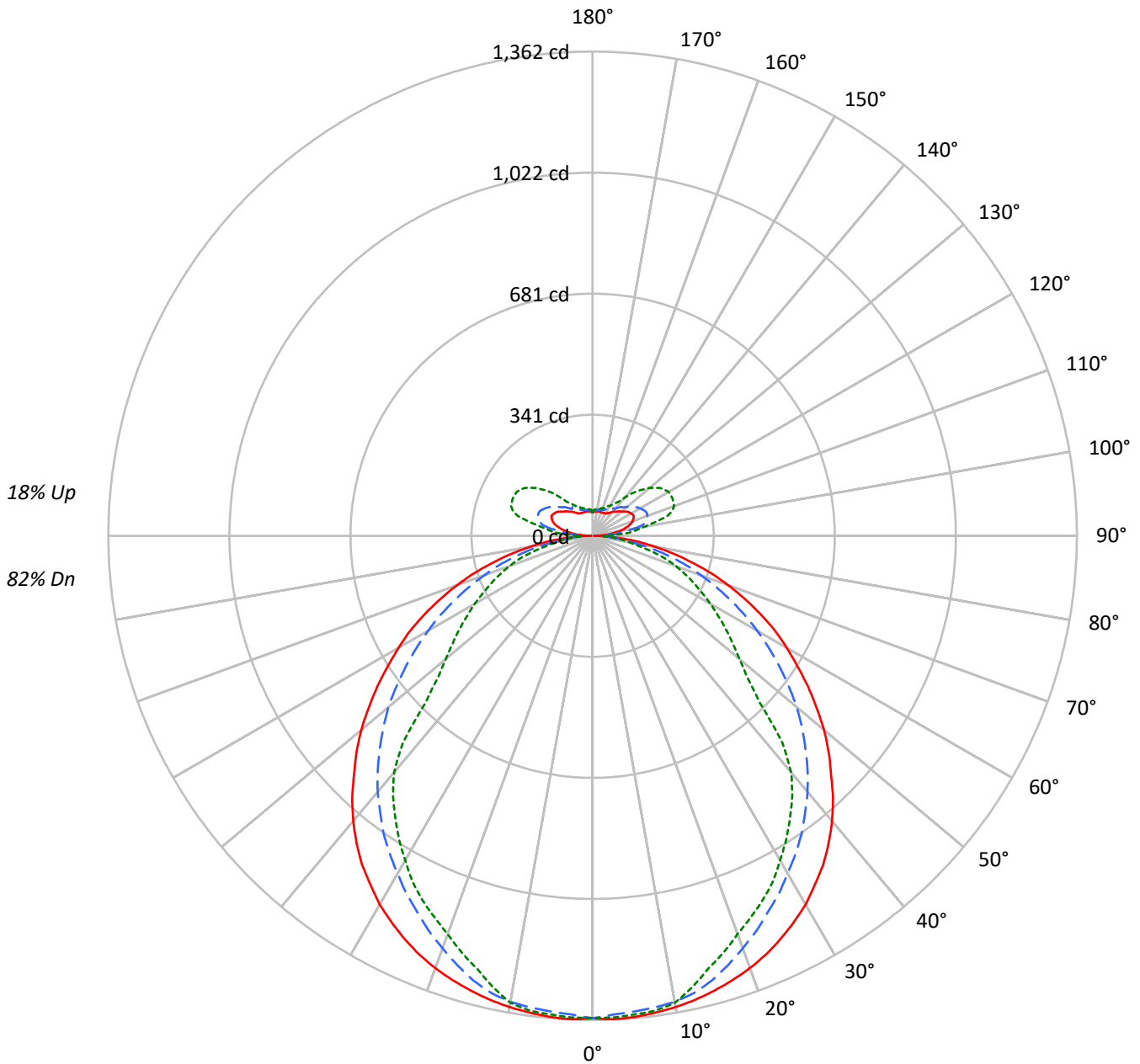
Lumens per Lamp: N/A
Luminaire Lumens: 4396.0 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

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°	7305	7305	7305
5°	7340	7259	7304
10°	7358	7275	7290
15°	7379	7218	7018
20°	7411	7072	6828
25°	7431	6932	6720
30°	7443	6819	6553
35°	7426	6729	6359
40°	7360	6606	6103
45°	7219	6444	5061
50°	7112	6270	4507
55°	6937	6019	4288
60°	6787	5749	4119
65°	6627	5435	3997
70°	6368	5091	3921
75°	6012	4666	3608
80°	5504	3927	3199
85°	4928	3402	3230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	2.9
10°-20°	365.4	8.3
20°-30°	545.4	12.4
30°-40°	649.8	14.8
40°-50°	646.3	14.7
50°-60°	553.9	12.6
60°-70°	417.2	9.5
70°-80°	241.6	5.5
80°-90°	72.6	1.7
90°-100°	78.0	1.8
100°-110°	160.1	3.6
110°-120°	169.3	3.9
120°-130°	141.2	3.2
130°-140°	98.7	2.2
140°-150°	61.4	1.4
150°-160°	38.1	0.9
160°-170°	21.4	0.5
170°-180°	6.9	0.2
0°-30°	1039.4	23.6
0°-40°	1689.2	38.4
0°-60°	2889.5	65.7
0°-90°	3621.0	82.4
90°-120°	407.3	9.3
90°-150°	708.6	16.1
90°-180°	775.0	17.6
0°-180°	4396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1357	1357	1357	1357	1357	
5°	1359	1355	1344	1353	1352	129
15°	1324	1323	1295	1273	1260	374
25°	1251	1234	1167	1138	1132	577
35°	1130	1100	1024	984	968	706
45°	948	925	847	763	665	733
55°	739	728	642	509	457	661
65°	520	508	427	332	314	514
75°	289	280	224	179	174	306
85°	80	70	55	52	52	85
90°	4	19	33	41	44	8
95°	44	59	68	99	107	42
105°	103	107	154	206	219	107
115°	128	109	164	226	248	125
125°	118	105	142	208	234	105
135°	96	105	114	154	178	75
145°	78	91	99	106	113	50
155°	72	76	81	88	90	33
165°	70	73	76	78	78	20
175°	69	70	72	73	74	7
180°	68	68	68	68	68	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1357.4	1357.4	1357.4	1357.4	1357.4
2.5°	1361.5	1358.7	1347.7	1358.7	1356.0
5°	1358.7	1354.6	1343.6	1353.2	1351.9
7.5°	1353.2	1350.5	1338.1	1349.1	1347.7
10°	1346.3	1342.2	1331.2	1339.5	1334.0
12.5°	1336.7	1334.0	1317.4	1310.6	1299.5
15°	1324.3	1322.9	1295.4	1273.4	1259.6
17.5°	1310.6	1305.1	1266.5	1240.3	1228.0
20°	1294.0	1285.8	1234.8	1204.6	1192.2
22.5°	1274.8	1262.4	1203.2	1174.3	1161.9
25°	1251.4	1233.5	1167.4	1138.5	1131.6
27.5°	1225.2	1204.6	1134.3	1105.4	1097.2
30°	1197.7	1171.5	1097.2	1069.6	1054.5
32.5°	1163.3	1138.5	1061.4	1029.7	1013.2
35°	1130.2	1099.9	1024.2	984.3	967.8
37.5°	1090.3	1060.0	981.5	941.6	922.3
40°	1047.6	1017.3	940.2	893.4	868.7
42.5°	1000.8	973.3	894.8	838.4	790.2
45°	948.5	925.1	846.6	762.7	664.9
47.5°	900.3	878.3	798.4	689.7	589.2
50°	849.4	828.7	748.9	620.9	538.3
52.5°	792.9	777.8	695.2	561.7	495.6
55°	739.3	728.2	641.5	509.4	457.0
57.5°	682.8	671.8	587.8	459.8	418.5
60°	630.5	619.5	534.1	415.7	382.7
62.5°	578.2	563.0	481.8	373.1	345.5
65°	520.4	508.0	426.8	331.8	313.9
67.5°	462.5	451.5	375.8	293.2	280.8
70°	404.7	395.1	323.5	256.1	249.2
72.5°	348.3	335.9	276.7	218.9	216.1
75°	289.1	279.5	224.4	179.0	173.5
77.5°	232.7	224.4	176.2	136.3	132.2
80°	177.6	169.3	126.7	99.1	103.2
82.5°	130.8	119.8	85.4	77.1	81.2
85°	79.8	70.2	55.1	52.3	52.3
87.5°	27.5	26.2	24.8	28.9	30.3
90°	4.1	19.3	33.0	41.3	44.1
92.5°	23.4	34.4	45.4	53.7	56.4
95°	44.1	59.2	67.5	99.1	107.4
97.5°	60.6	78.5	88.1	117.0	125.3
100°	77.1	93.6	123.9	139.0	148.7
102.5°	90.9	103.2	145.9	176.2	181.7
105°	103.2	107.4	154.2	206.5	218.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	123.9	110.1	165.2	224.4	246.4
115°	128.0	108.8	163.8	225.8	247.8
117.5°	128.0	108.8	159.7	225.8	247.8
120°	125.3	110.1	154.2	223.0	246.4
122.5°	122.5	107.4	148.7	217.5	240.9
125°	118.4	104.6	141.8	207.9	234.0
127.5°	111.5	107.4	134.9	195.5	221.6
130°	106.0	108.8	126.7	183.1	209.2
132.5°	101.9	106.0	118.4	169.3	192.7
135°	96.4	104.6	114.3	154.2	177.6
137.5°	92.2	100.5	107.4	140.4	159.7
140°	88.1	97.7	100.5	122.5	139.0
142.5°	82.6	93.6	95.0	114.3	121.1
145°	78.5	90.9	99.1	106.0	112.9
147.5°	74.3	85.4	96.4	97.7	104.6
150°	73.0	79.8	92.2	93.6	96.4
152.5°	71.6	77.1	85.4	93.6	95.0
155°	71.6	75.7	81.2	88.1	89.5
157.5°	70.2	75.7	78.5	84.0	85.4
160°	70.2	74.3	77.1	81.2	82.6
162.5°	70.2	74.3	75.7	79.8	81.2
165°	70.2	73.0	75.7	78.5	78.5
167.5°	70.2	73.0	74.3	77.1	77.1
170°	70.2	71.6	74.3	75.7	75.7
172.5°	68.8	71.6	73.0	75.7	75.7
175°	68.8	70.2	71.6	73.0	74.3
177.5°	66.1	70.2	71.6	73.0	71.6
180°	67.5	67.5	67.5	67.5	67.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	112.9	108.8	159.7	217.5	235.4
110°	119.8	110.1	163.8	221.6	243.7



(END OF REPORT)