

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: P520670

Luminaire Tested: **8WSLA-125-L940-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520670
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: 8WSLA-125-L940-UPL15-UNV-U
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 4000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

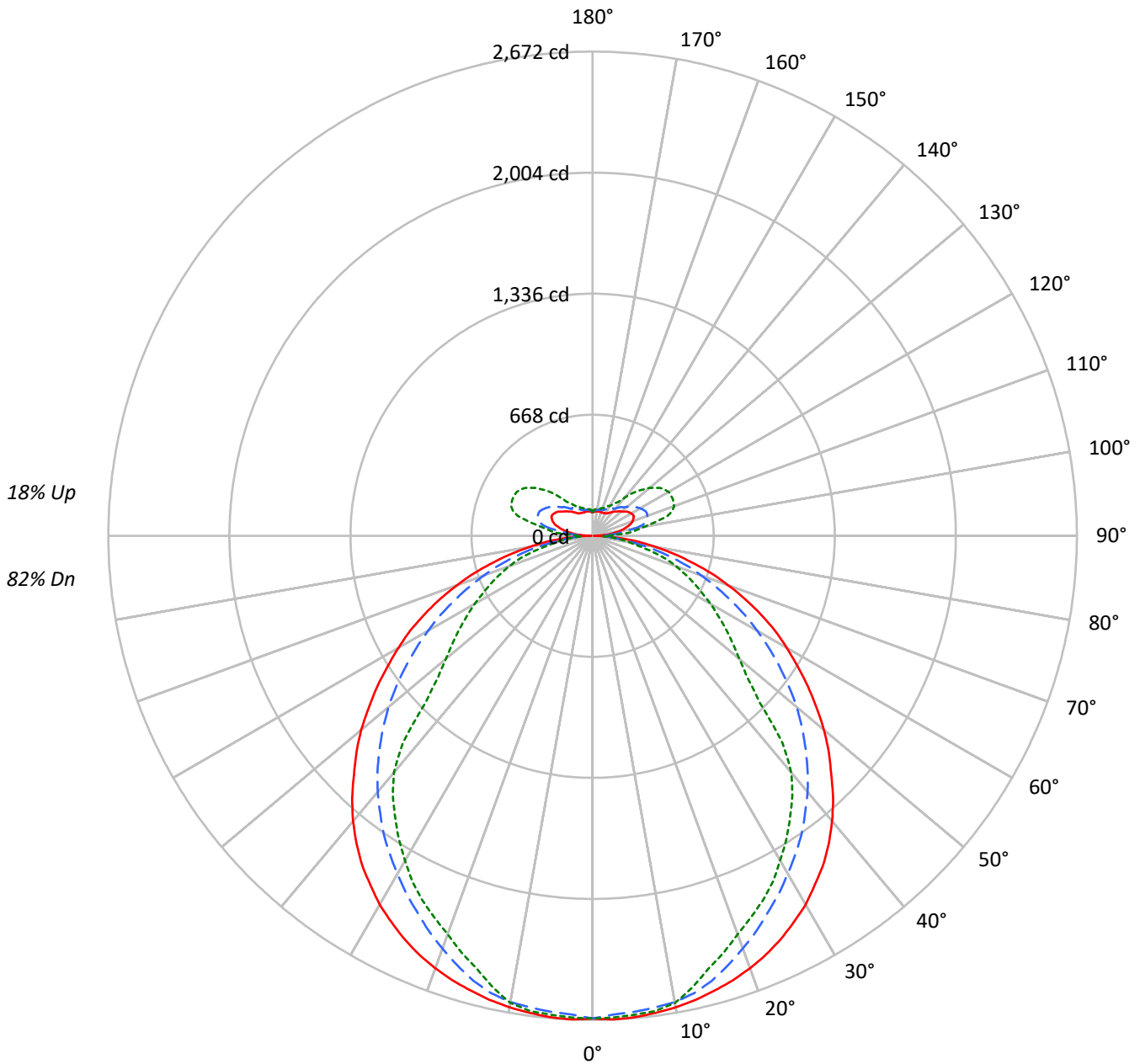
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8627.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 78.2
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

TEST NUMBER: P520670
CATALOG NUMBER: 8WSLA-125-L940-UPL15-UNV-U

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°	7168	7168	7168
5°	7203	7123	7166
10°	7220	7138	7153
15°	7240	7082	6887
20°	7272	6940	6700
25°	7292	6802	6594
30°	7303	6691	6430
35°	7286	6603	6239
40°	7222	6482	5988
45°	7084	6323	4966
50°	6978	6153	4422
55°	6807	5906	4208
60°	6659	5641	4042
65°	6502	5333	3922
70°	6249	4995	3847
75°	5898	4579	3539
80°	5401	3851	3140
85°	4838	3338	3171



TEST NUMBER: P520670

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.5	2.9
10°-20°	717.1	8.3
20°-30°	1070.3	12.4
30°-40°	1275.2	14.8
40°-50°	1268.4	14.7
50°-60°	1087.1	12.6
60°-70°	818.7	9.5
70°-80°	474.2	5.5
80°-90°	142.5	1.7
90°-100°	153.0	1.8
100°-110°	314.2	3.6
110°-120°	332.2	3.9
120°-130°	277.1	3.2
130°-140°	193.6	2.2
140°-150°	120.5	1.4
150°-160°	74.7	0.9
160°-170°	42.1	0.5
170°-180°	13.6	0.2
0°-30°	2039.9	23.6
0°-40°	3315.1	38.4
0°-60°	5670.6	65.7
0°-90°	7106.1	82.4
90°-120°	799.4	9.3
90°-150°	1390.6	16.1
90°-180°	1521.0	17.6
0°-180°	8627.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2664	2664	2664	2664	2664	
5°	2666	2658	2637	2656	2653	254
15°	2599	2596	2542	2499	2472	734
25°	2456	2421	2291	2234	2221	1132
35°	2218	2159	2010	1932	1899	1385
45°	1861	1816	1662	1497	1305	1439
55°	1451	1429	1259	1000	897	1297
65°	1021	997	838	651	616	1009
75°	567	548	440	351	340	601
85°	157	138	108	103	103	167
90°	8	38	65	81	86	16
95°	86	116	132	194	211	83
105°	203	211	303	405	430	210
115°	251	213	322	443	486	245
125°	232	205	278	408	459	206
135°	189	205	224	303	348	148
145°	154	178	194	208	222	98
155°	140	149	159	173	176	65
165°	138	143	149	154	154	39
175°	135	138	140	143	146	13
180°	132	132	132	132	132	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2663.8	2663.8	2663.8	2663.8	2663.8
2.5°	2671.9	2666.5	2644.9	2666.5	2661.1
5°	2666.5	2658.4	2636.8	2655.7	2653.0
7.5°	2655.7	2650.3	2626.0	2647.6	2644.9
10°	2642.2	2634.1	2612.4	2628.7	2617.9
12.5°	2623.3	2617.9	2585.4	2571.9	2550.3
15°	2598.9	2596.2	2542.2	2499.0	2472.0
17.5°	2571.9	2561.1	2485.5	2434.1	2409.8
20°	2539.5	2523.3	2423.3	2363.9	2339.6
22.5°	2501.7	2477.4	2361.2	2304.5	2280.2
25°	2455.8	2420.6	2291.0	2234.2	2220.7
27.5°	2404.4	2363.9	2226.1	2169.4	2153.2
30°	2350.4	2299.1	2153.2	2099.1	2069.4
32.5°	2282.9	2234.2	2082.9	2020.8	1988.4
35°	2218.0	2158.6	2010.0	1931.6	1899.2
37.5°	2139.7	2080.2	1926.2	1847.9	1810.1
40°	2055.9	1996.5	1845.2	1753.3	1704.7
42.5°	1964.1	1910.0	1756.0	1645.3	1550.7
45°	1861.4	1815.5	1661.5	1496.7	1304.9
47.5°	1766.8	1723.6	1566.9	1353.5	1156.3
50°	1666.9	1626.4	1469.7	1218.4	1056.3
52.5°	1556.1	1526.4	1364.3	1102.3	972.6
55°	1450.8	1429.1	1258.9	999.6	896.9
57.5°	1340.0	1318.4	1153.6	902.3	821.3
60°	1237.3	1215.7	1048.2	815.9	751.0
62.5°	1134.7	1105.0	945.6	732.1	678.1
65°	1021.2	996.9	837.5	651.1	616.0
67.5°	907.7	886.1	737.5	575.4	551.1
70°	794.3	775.4	634.9	502.5	489.0
72.5°	683.5	659.2	543.0	429.6	424.2
75°	567.3	548.4	440.4	351.2	340.4
77.5°	456.6	440.4	345.8	267.5	259.4
80°	348.5	332.3	248.5	194.5	202.6
82.5°	256.7	235.0	167.5	151.3	159.4
85°	156.7	137.8	108.1	102.7	102.7
87.5°	54.0	51.3	48.6	56.7	59.4
90°	8.1	37.8	64.8	81.0	86.5
92.5°	45.9	67.5	89.2	105.4	110.8
95°	86.5	116.2	132.4	194.5	210.7
97.5°	118.9	154.0	172.9	229.6	245.8
100°	151.3	183.7	243.1	272.9	291.8
102.5°	178.3	202.6	286.4	345.8	356.6
105°	202.6	210.7	302.6	405.2	429.6



TEST NUMBER: P520670

CATALOG NUMBER: 8WSLA-125-L940-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	243.1	216.1	324.2	440.4	483.6
115°	251.2	213.4	321.5	443.1	486.3
117.5°	251.2	213.4	313.4	443.1	486.3
120°	245.8	216.1	302.6	437.7	483.6
122.5°	240.4	210.7	291.8	426.9	472.8
125°	232.3	205.3	278.3	407.9	459.3
127.5°	218.8	210.7	264.8	383.6	435.0
130°	208.0	213.4	248.5	359.3	410.6
132.5°	199.9	208.0	232.3	332.3	378.2
135°	189.1	205.3	224.2	302.6	348.5
137.5°	181.0	197.2	210.7	275.6	313.4
140°	172.9	191.8	197.2	240.4	272.9
142.5°	162.1	183.7	186.4	224.2	237.7
145°	154.0	178.3	194.5	208.0	221.5
147.5°	145.9	167.5	189.1	191.8	205.3
150°	143.2	156.7	181.0	183.7	189.1
152.5°	140.5	151.3	167.5	183.7	186.4
155°	140.5	148.6	159.4	172.9	175.6
157.5°	137.8	148.6	154.0	164.8	167.5
160°	137.8	145.9	151.3	159.4	162.1
162.5°	137.8	145.9	148.6	156.7	159.4
165°	137.8	143.2	148.6	154.0	154.0
167.5°	137.8	143.2	145.9	151.3	151.3
170°	137.8	140.5	145.9	148.6	148.6
172.5°	135.1	140.5	143.2	148.6	148.6
175°	135.1	137.8	140.5	143.2	145.9
177.5°	129.7	137.8	140.5	143.2	140.5
180°	132.4	132.4	132.4	132.4	132.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	221.5	213.4	313.4	426.9	462.0
110°	235.0	216.1	321.5	435.0	478.2



(END OF REPORT)