

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: P520697

Luminaire Tested: **8WSLA-150-L950-UPL15-UNV-U**

Issue Date: 5/3/2021

Test Information

Test Method: LM-79-08
Report Number: P520697
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-150-L950-UPL15-UNV-U
Description: 8 FOOT, 3000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

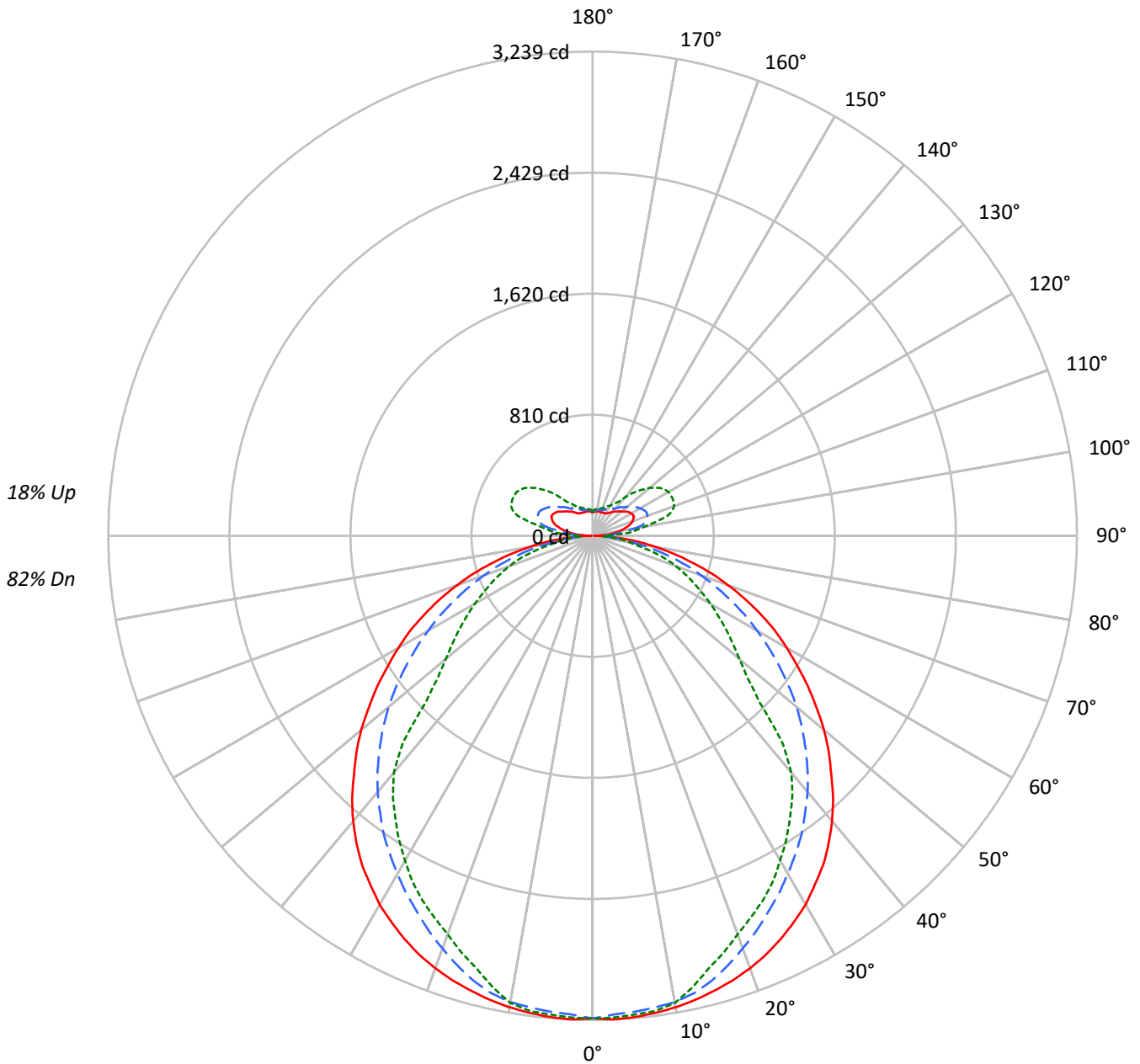
Lumens per Lamp: N/A
Luminaire Lumens: 10457.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 93.6
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					20					
RC	80					70					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	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°	8689	8689	8689
5°	8731	8633	8686
10°	8751	8653	8671
15°	8776	8585	8347
20°	8815	8412	8121
25°	8838	8245	7992
30°	8853	8110	7794
35°	8832	8004	7563
40°	8754	7857	7259
45°	8587	7664	6019
50°	8459	7458	5360
55°	8250	7159	5101
60°	8072	6838	4900
65°	7882	6464	4754
70°	7575	6054	4663
75°	7150	5550	4290
80°	6546	4669	3806
85°	5863	4045	3841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.0	2.9
10°-20°	869.3	8.3
20°-30°	1297.3	12.4
30°-40°	1545.7	14.8
40°-50°	1537.5	14.7
50°-60°	1317.7	12.6
60°-70°	992.4	9.5
70°-80°	574.8	5.5
80°-90°	172.7	1.7
90°-100°	185.5	1.8
100°-110°	380.8	3.6
110°-120°	402.7	3.9
120°-130°	335.9	3.2
130°-140°	234.7	2.2
140°-150°	146.1	1.4
150°-160°	90.5	0.9
160°-170°	51.0	0.5
170°-180°	16.4	0.2
0°-30°	2472.6	23.6
0°-40°	4018.3	38.4
0°-60°	6873.5	65.7
0°-90°	8613.4	82.4
90°-120°	969.0	9.3
90°-150°	1685.6	16.1
90°-180°	1844.0	17.6
0°-180°	10457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3229	3229	3229	3229	3229	
5°	3232	3222	3196	3219	3216	308
15°	3150	3147	3082	3029	2996	890
25°	2977	2934	2777	2708	2692	1372
35°	2688	2616	2436	2341	2302	1679
45°	2256	2201	2014	1814	1582	1744
55°	1758	1732	1526	1212	1087	1572
65°	1238	1208	1015	789	747	1224
75°	688	665	534	426	413	728
85°	190	167	131	124	124	203
90°	10	46	79	98	105	19
95°	105	141	160	236	255	100
105°	246	255	367	491	521	255
115°	304	259	390	537	589	296
125°	282	249	337	494	557	250
135°	229	249	272	367	422	179
145°	187	216	236	252	268	118
155°	170	180	193	210	213	79
165°	167	174	180	187	187	47
175°	164	167	170	174	177	16
180°	160	160	160	160	160	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3228.8	3228.8	3228.8	3228.8	3228.8
2.5°	3238.7	3232.1	3205.9	3232.1	3225.6
5°	3232.1	3222.3	3196.1	3219.0	3215.7
7.5°	3219.0	3212.5	3183.0	3209.2	3205.9
10°	3202.6	3192.8	3166.6	3186.3	3173.2
12.5°	3179.7	3173.2	3133.9	3117.5	3091.3
15°	3150.2	3147.0	3081.5	3029.1	2996.3
17.5°	3117.5	3104.4	3012.7	2950.5	2921.0
20°	3078.2	3058.5	2937.4	2865.3	2835.9
22.5°	3032.4	3002.9	2862.1	2793.3	2763.8
25°	2976.7	2934.1	2776.9	2708.2	2691.8
27.5°	2914.5	2865.3	2698.3	2629.6	2609.9
30°	2849.0	2786.8	2609.9	2544.4	2508.4
32.5°	2767.1	2708.2	2524.8	2449.5	2410.2
35°	2688.5	2616.5	2436.4	2341.4	2302.1
37.5°	2593.5	2521.5	2334.8	2239.9	2194.0
40°	2492.0	2420.0	2236.6	2125.3	2066.3
42.5°	2380.7	2315.2	2128.5	1994.3	1879.7
45°	2256.3	2200.6	2013.9	1814.2	1581.7
47.5°	2141.6	2089.2	1899.3	1640.6	1401.6
50°	2020.5	1971.4	1781.4	1476.9	1280.4
52.5°	1886.2	1850.2	1653.7	1336.1	1178.9
55°	1758.5	1732.3	1526.0	1211.6	1087.2
57.5°	1624.2	1598.0	1398.3	1093.7	995.5
60°	1499.8	1473.6	1270.6	989.0	910.4
62.5°	1375.4	1339.3	1146.1	887.4	821.9
65°	1237.8	1208.4	1015.1	789.2	746.6
67.5°	1100.3	1074.1	894.0	697.5	668.0
70°	962.8	939.8	769.5	609.1	592.7
72.5°	828.5	799.0	658.2	520.7	514.1
75°	687.7	664.8	533.8	425.7	412.6
77.5°	553.4	533.8	419.2	324.2	314.4
80°	422.4	402.8	301.3	235.8	245.6
82.5°	311.1	284.9	203.0	183.4	193.2
85°	189.9	167.0	131.0	124.4	124.4
87.5°	65.5	62.2	58.9	68.8	72.0
90°	9.8	45.8	78.6	98.2	104.8
92.5°	55.7	81.9	108.1	127.7	134.3
95°	104.8	140.8	160.5	235.8	255.4
97.5°	144.1	186.7	209.6	278.3	298.0
100°	183.4	222.7	294.7	330.7	353.7
102.5°	216.1	245.6	347.1	419.2	432.3
105°	245.6	255.4	366.8	491.2	520.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	294.7	262.0	393.0	533.8	586.2
115°	304.5	258.7	389.7	537.0	589.4
117.5°	304.5	258.7	379.9	537.0	589.4
120°	298.0	262.0	366.8	530.5	586.2
122.5°	291.4	255.4	353.7	517.4	573.1
125°	281.6	248.9	337.3	494.5	556.7
127.5°	265.2	255.4	320.9	465.0	527.2
130°	252.2	258.7	301.3	435.5	497.8
132.5°	242.3	252.2	281.6	402.8	458.5
135°	229.2	248.9	271.8	366.8	422.4
137.5°	219.4	239.1	255.4	334.0	379.9
140°	209.6	232.5	239.1	291.4	330.7
142.5°	196.5	222.7	226.0	271.8	288.2
145°	186.7	216.1	235.8	252.2	268.5
147.5°	176.8	203.0	229.2	232.5	248.9
150°	173.6	189.9	219.4	222.7	229.2
152.5°	170.3	183.4	203.0	222.7	226.0
155°	170.3	180.1	193.2	209.6	212.9
157.5°	167.0	180.1	186.7	199.8	203.0
160°	167.0	176.8	183.4	193.2	196.5
162.5°	167.0	176.8	180.1	189.9	193.2
165°	167.0	173.6	180.1	186.7	186.7
167.5°	167.0	173.6	176.8	183.4	183.4
170°	167.0	170.3	176.8	180.1	180.1
172.5°	163.7	170.3	173.6	180.1	180.1
175°	163.7	167.0	170.3	173.6	176.8
177.5°	157.2	167.0	170.3	173.6	170.3
180°	160.5	160.5	160.5	160.5	160.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	268.5	258.7	379.9	517.4	560.0
110°	284.9	262.0	389.7	527.2	579.6



(END OF REPORT)