

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: P520785

Luminaire Tested: **8WSLA-75-L930-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 8WSLA-75-L930-UPL8-UNV-U
Description: 8 FOOT, 1500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

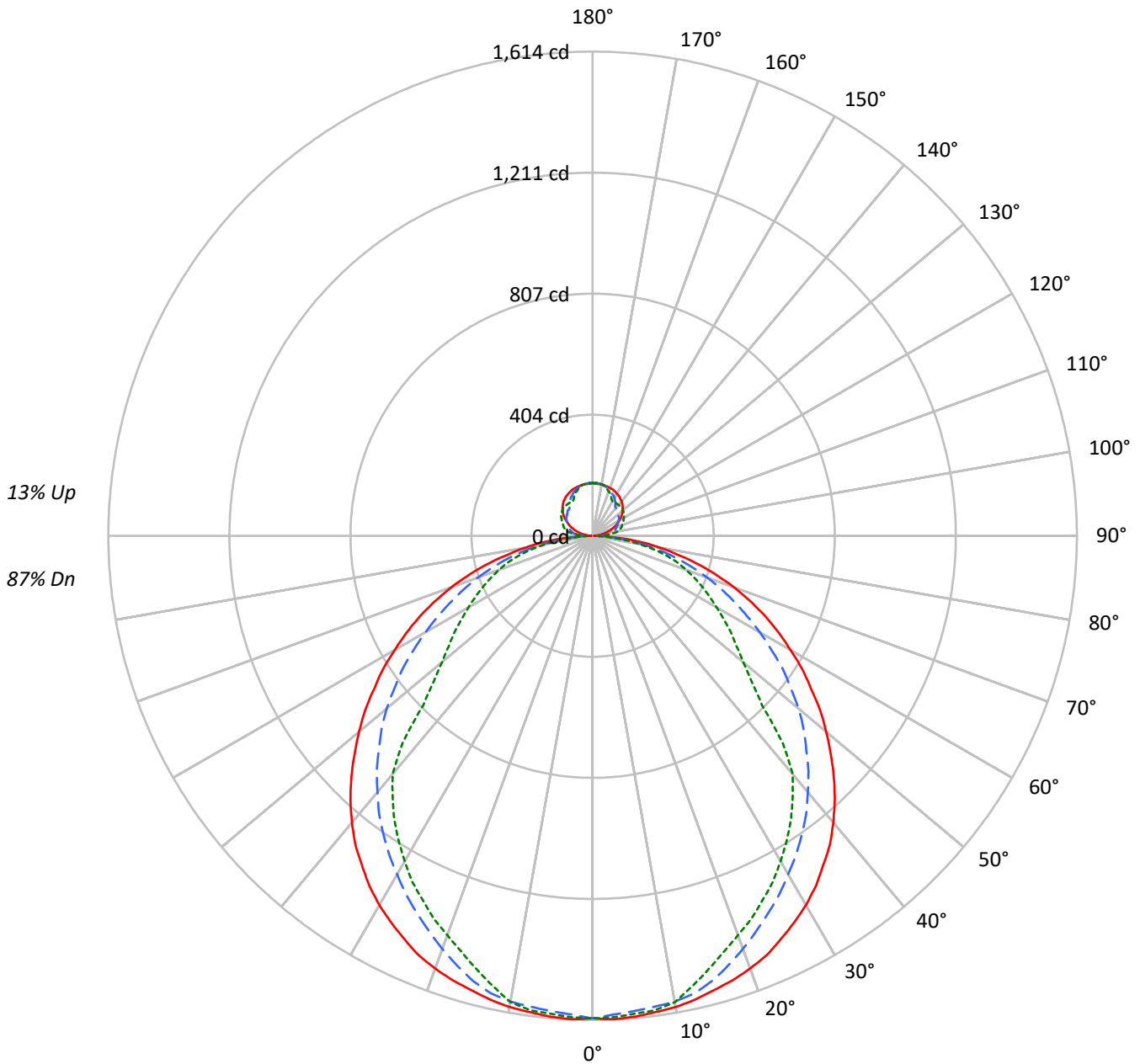
Lumens per Lamp: N/A
Luminaire Lumens: 5007.0 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 46.6
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									
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87																			
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73																			
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61																			
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51																			
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44																			
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38																			
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33																			
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30																			
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4330	4330	4330
5°	4346	4296	4321
10°	4358	4308	4314
15°	4366	4282	4166
20°	4395	4196	4057
25°	4406	4117	3980
30°	4417	4050	3892
35°	4403	3992	3787
40°	4383	3920	3643
45°	4325	3832	3039
50°	4254	3751	2743
55°	4170	3628	2639
60°	4099	3463	2567
65°	4039	3317	2565
70°	3934	3187	2604
75°	3754	3033	2623
80°	3516	2726	2439
85°	3217	1930	1643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	3.0
10°-20°	433.0	8.6
20°-30°	647.0	12.9
30°-40°	772.3	15.4
40°-50°	772.4	15.4
50°-60°	668.5	13.4
60°-70°	513.1	10.2
70°-80°	314.4	6.3
80°-90°	88.5	1.8
90°-100°	50.0	1.0
100°-110°	79.4	1.6
110°-120°	92.8	1.9
120°-130°	100.2	2.0
130°-140°	98.8	2.0
140°-150°	87.4	1.7
150°-160°	71.9	1.4
160°-170°	48.1	1.0
170°-180°	16.8	0.3
0°-30°	1232.3	24.6
0°-40°	2004.7	40.0
0°-60°	3445.6	68.8
0°-90°	4361.6	87.1
90°-120°	222.3	4.4
90°-150°	508.6	10.2
90°-180°	645.0	12.9
0°-180°	5007.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1609	1609	1609	1609	1609	
5°	1609	1604	1590	1602	1600	153
15°	1567	1565	1537	1509	1495	443
25°	1484	1465	1387	1350	1340	685
35°	1340	1306	1215	1171	1153	839
45°	1137	1104	1007	917	799	876
55°	889	868	773	618	562	797
65°	634	611	521	419	403	627
75°	361	343	292	252	252	381
85°	104	86	62	53	53	109
90°	5	16	26	32	35	7
95°	18	39	53	56	56	18
105°	53	56	79	93	97	56
115°	88	74	93	106	113	86
125°	118	95	106	123	127	105
135°	141	127	118	130	137	109
145°	157	150	132	130	134	98
155°	167	164	155	148	146	77
165°	171	174	169	169	169	49
175°	174	176	176	178	178	17
180°	176	176	176	176	176	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1608.9	1608.9	1608.9	1608.9	1608.9
2.5°	1613.5	1608.9	1597.3	1608.9	1606.6
5°	1608.9	1604.2	1590.3	1601.9	1599.6
7.5°	1601.9	1597.3	1583.4	1597.3	1595.0
10°	1595.0	1590.3	1576.5	1585.7	1578.8
12.5°	1583.4	1578.8	1562.6	1551.0	1537.1
15°	1567.2	1564.9	1537.1	1509.3	1495.4
17.5°	1553.3	1546.4	1502.4	1470.0	1453.8
20°	1534.8	1523.2	1465.3	1428.3	1416.7
22.5°	1514.0	1495.4	1426.0	1391.3	1382.0
25°	1483.9	1465.3	1386.6	1349.6	1340.3
27.5°	1453.8	1430.6	1347.3	1310.2	1301.0
30°	1421.4	1388.9	1303.3	1268.6	1252.4
32.5°	1384.3	1351.9	1261.6	1222.3	1203.8
35°	1340.3	1305.6	1215.3	1171.3	1152.8
37.5°	1298.7	1261.6	1169.0	1120.4	1095.0
40°	1247.7	1210.7	1115.8	1062.5	1037.1
42.5°	1194.5	1159.8	1064.9	1000.0	937.5
45°	1136.6	1104.2	1007.0	916.7	798.6
47.5°	1076.4	1048.7	953.7	831.1	717.6
50°	1016.2	988.5	895.9	750.0	655.1
52.5°	956.1	932.9	831.1	682.9	604.2
55°	888.9	868.1	773.2	618.1	562.5
57.5°	828.7	807.9	706.0	564.8	518.5
60°	761.6	743.1	643.5	511.6	476.9
62.5°	699.1	678.3	581.0	465.3	439.8
65°	634.3	611.1	520.9	419.0	402.8
67.5°	567.2	544.0	463.0	377.3	368.1
70°	500.0	481.5	405.1	335.7	331.0
72.5°	430.6	409.7	347.2	296.3	296.3
75°	361.1	342.6	291.7	252.3	252.3
77.5°	289.4	280.1	233.8	206.0	208.3
80°	226.9	215.3	175.9	157.4	157.4
82.5°	166.7	152.8	118.1	104.2	108.8
85°	104.2	85.7	62.5	53.2	53.2
87.5°	32.4	25.5	18.5	20.8	20.8
90°	4.6	16.2	25.5	32.4	34.7
92.5°	11.6	30.1	37.0	44.0	46.3
95°	18.5	39.4	53.2	55.6	55.6
97.5°	25.5	44.0	64.8	74.1	74.1
100°	34.7	46.3	69.4	83.3	85.7
102.5°	44.0	50.9	74.1	88.0	92.6
105°	53.2	55.6	78.7	92.6	97.2



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CATALOG NUMBER: 8WSLA-75-L930-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	78.7	69.4	88.0	104.2	108.8
115°	88.0	74.1	92.6	106.5	113.4
117.5°	94.9	81.0	97.2	111.1	115.7
120°	101.9	85.7	99.5	115.7	120.4
122.5°	111.1	90.3	104.2	118.1	125.0
125°	118.1	94.9	106.5	122.7	127.3
127.5°	125.0	104.2	108.8	125.0	129.6
130°	129.6	113.4	111.1	127.3	132.0
132.5°	136.6	120.4	113.4	129.6	134.3
135°	141.2	127.3	118.1	129.6	136.6
137.5°	145.8	134.3	118.1	129.6	134.3
140°	150.5	141.2	120.4	129.6	134.3
142.5°	152.8	145.8	122.7	129.6	134.3
145°	157.4	150.5	132.0	129.6	134.3
147.5°	159.7	155.1	138.9	129.6	134.3
150°	162.0	159.7	145.8	132.0	132.0
152.5°	164.4	162.0	150.5	141.2	136.6
155°	166.7	164.4	155.1	148.2	145.8
157.5°	169.0	169.0	159.7	155.1	152.8
160°	169.0	171.3	164.4	159.7	157.4
162.5°	171.3	173.6	166.7	164.4	162.0
165°	171.3	173.6	169.0	169.0	169.0
167.5°	173.6	175.9	173.6	171.3	171.3
170°	173.6	175.9	173.6	173.6	173.6
172.5°	173.6	175.9	175.9	175.9	175.9
175°	173.6	175.9	175.9	178.2	178.2
177.5°	173.6	175.9	175.9	175.9	175.9
180°	175.9	175.9	175.9	175.9	175.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	62.5	60.2	81.0	97.2	101.9
110°	69.4	64.8	85.7	99.5	104.2



(END OF REPORT)