

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: P520788

Luminaire Tested: **8WSLA-75-L935-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520788
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-L935-UPL8-UNV-U
Description: 8 FOOT, 1500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

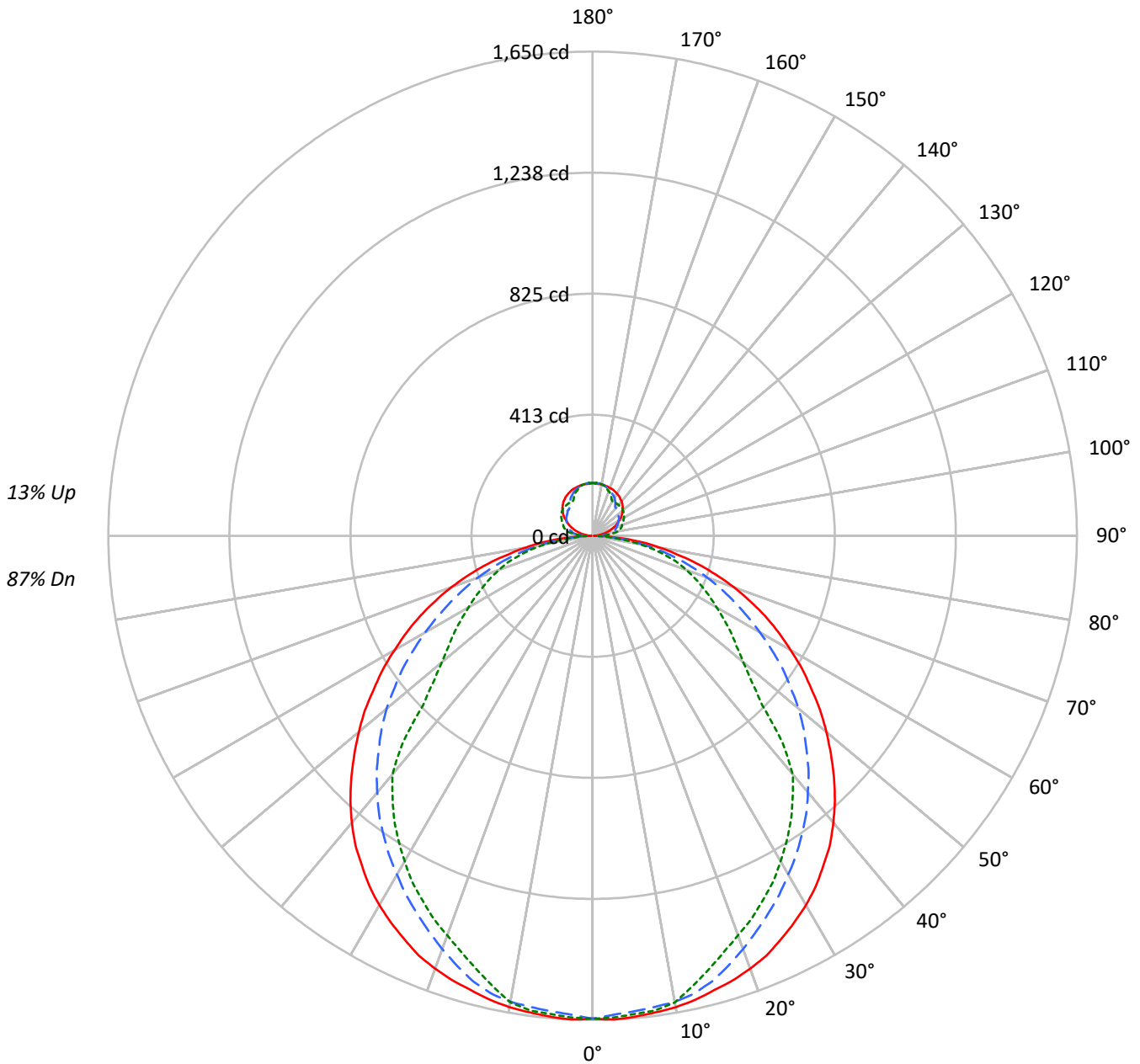
Lumens per Lamp: N/A
Luminaire Lumens: 5121.0 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

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

TEST NUMBER: P520788

CATALOG NUMBER: 8WSLA-75-L935-UPL8-UNV-U

Luminous Intensity Polar Plot





TEST NUMBER: P520788

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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°	4428	4428	4428
5°	4445	4394	4419
10°	4458	4406	4412
15°	4466	4380	4261
20°	4495	4292	4149
25°	4506	4211	4070
30°	4517	4142	3980
35°	4504	4083	3873
40°	4483	4009	3726
45°	4424	3919	3108
50°	4351	3836	2805
55°	4266	3710	2699
60°	4192	3542	2625
65°	4131	3392	2623
70°	4024	3260	2664
75°	3840	3101	2684
80°	3595	2788	2495
85°	3288	1973	1683



TEST NUMBER: P520788

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.8	3.0
10°-20°	442.9	8.6
20°-30°	661.8	12.9
30°-40°	789.9	15.4
40°-50°	790.0	15.4
50°-60°	683.7	13.4
60°-70°	524.8	10.2
70°-80°	321.6	6.3
80°-90°	90.5	1.8
90°-100°	51.2	1.0
100°-110°	81.2	1.6
110°-120°	94.9	1.9
120°-130°	102.5	2.0
130°-140°	101.0	2.0
140°-150°	89.4	1.7
150°-160°	73.5	1.4
160°-170°	49.2	1.0
170°-180°	17.1	0.3
0°-30°	1260.4	24.6
0°-40°	2050.3	40.0
0°-60°	3524.1	68.8
0°-90°	4460.9	87.1
90°-120°	227.3	4.4
90°-150°	520.2	10.2
90°-180°	660.0	12.9
0°-180°	5121.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1646	1646	1646	1646	1646	
5°	1646	1641	1627	1638	1636	157
15°	1603	1600	1572	1544	1530	453
25°	1518	1499	1418	1380	1371	700
35°	1371	1335	1243	1198	1179	858
45°	1162	1129	1030	938	817	896
55°	909	888	791	632	575	815
65°	649	625	533	428	412	641
75°	369	350	298	258	258	390
85°	106	88	64	54	54	111
90°	5	17	26	33	36	7
95°	19	40	54	57	57	19
105°	54	57	80	95	99	57
115°	90	76	95	109	116	88
125°	121	97	109	126	130	108
135°	144	130	121	133	140	111
145°	161	154	135	133	137	100
155°	170	168	159	152	149	79
165°	175	178	173	173	173	50
175°	178	180	180	182	182	17
180°	180	180	180	180	180	



TEST NUMBER: P520788

CATALOG NUMBER: 8WSLA-75-L935-UPL8-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1645.5	1645.5	1645.5	1645.5	1645.5
2.5°	1650.2	1645.5	1633.7	1645.5	1643.1
5°	1645.5	1640.8	1626.6	1638.4	1636.0
7.5°	1638.4	1633.7	1619.5	1633.7	1631.3
10°	1631.3	1626.6	1612.4	1621.8	1614.7
12.5°	1619.5	1614.7	1598.1	1586.3	1572.1
15°	1602.9	1600.5	1572.1	1543.7	1529.5
17.5°	1588.7	1581.6	1536.6	1503.4	1486.9
20°	1569.7	1557.9	1498.7	1460.8	1449.0
22.5°	1548.4	1529.5	1458.5	1422.9	1413.5
25°	1517.6	1498.7	1418.2	1380.3	1370.9
27.5°	1486.9	1463.2	1378.0	1340.1	1330.6
30°	1453.7	1420.6	1333.0	1297.5	1280.9
32.5°	1415.8	1382.7	1290.4	1250.1	1231.2
35°	1370.9	1335.3	1243.0	1198.0	1179.1
37.5°	1328.2	1290.4	1195.6	1145.9	1119.9
40°	1276.1	1238.3	1141.2	1086.7	1060.7
42.5°	1221.7	1186.2	1089.1	1022.8	958.9
45°	1162.5	1129.4	1029.9	937.6	816.8
47.5°	1100.9	1072.5	975.5	850.0	734.0
50°	1039.4	1011.0	916.3	767.1	670.0
52.5°	977.8	954.2	850.0	698.4	617.9
55°	909.2	887.9	790.8	632.2	575.3
57.5°	847.6	826.3	722.1	577.7	530.3
60°	778.9	760.0	658.2	523.2	487.7
62.5°	715.0	693.7	594.3	475.9	449.8
65°	648.7	625.1	532.7	428.5	412.0
67.5°	580.1	556.4	473.5	385.9	376.5
70°	511.4	492.5	414.3	343.3	338.6
72.5°	440.4	419.1	355.1	303.1	303.1
75°	369.3	350.4	298.3	258.1	258.1
77.5°	296.0	286.5	239.1	210.7	213.1
80°	232.0	220.2	179.9	161.0	161.0
82.5°	170.5	156.3	120.7	106.5	111.3
85°	106.5	87.6	63.9	54.5	54.5
87.5°	33.1	26.0	18.9	21.3	21.3
90°	4.7	16.6	26.0	33.1	35.5
92.5°	11.8	30.8	37.9	45.0	47.4
95°	18.9	40.2	54.5	56.8	56.8
97.5°	26.0	45.0	66.3	75.8	75.8
100°	35.5	47.4	71.0	85.2	87.6
102.5°	45.0	52.1	75.8	90.0	94.7
105°	54.5	56.8	80.5	94.7	99.4



TEST NUMBER: P520788

CATALOG NUMBER: 8WSLA-75-L935-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	80.5	71.0	90.0	106.5	111.3
115°	90.0	75.8	94.7	108.9	116.0
117.5°	97.1	82.9	99.4	113.6	118.4
120°	104.2	87.6	101.8	118.4	123.1
122.5°	113.6	92.3	106.5	120.7	127.9
125°	120.7	97.1	108.9	125.5	130.2
127.5°	127.9	106.5	111.3	127.9	132.6
130°	132.6	116.0	113.6	130.2	135.0
132.5°	139.7	123.1	116.0	132.6	137.3
135°	144.4	130.2	120.7	132.6	139.7
137.5°	149.2	137.3	120.7	132.6	137.3
140°	153.9	144.4	123.1	132.6	137.3
142.5°	156.3	149.2	125.5	132.6	137.3
145°	161.0	153.9	135.0	132.6	137.3
147.5°	163.4	158.6	142.1	132.6	137.3
150°	165.7	163.4	149.2	135.0	135.0
152.5°	168.1	165.7	153.9	144.4	139.7
155°	170.5	168.1	158.6	151.5	149.2
157.5°	172.8	172.8	163.4	158.6	156.3
160°	172.8	175.2	168.1	163.4	161.0
162.5°	175.2	177.6	170.5	168.1	165.7
165°	175.2	177.6	172.8	172.8	172.8
167.5°	177.6	179.9	177.6	175.2	175.2
170°	177.6	179.9	177.6	177.6	177.6
172.5°	177.6	179.9	179.9	179.9	179.9
175°	177.6	179.9	179.9	182.3	182.3
177.5°	177.6	179.9	179.9	179.9	179.9
180°	179.9	179.9	179.9	179.9	179.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	63.9	61.6	82.9	99.4	104.2
110°	71.0	66.3	87.6	101.8	106.5



(END OF REPORT)