

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: P520569

Luminaire Tested: **4WSLA-200-L930-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520569
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: 4WSLA-200-L930-UPL8-UNV-U
Description: 4 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

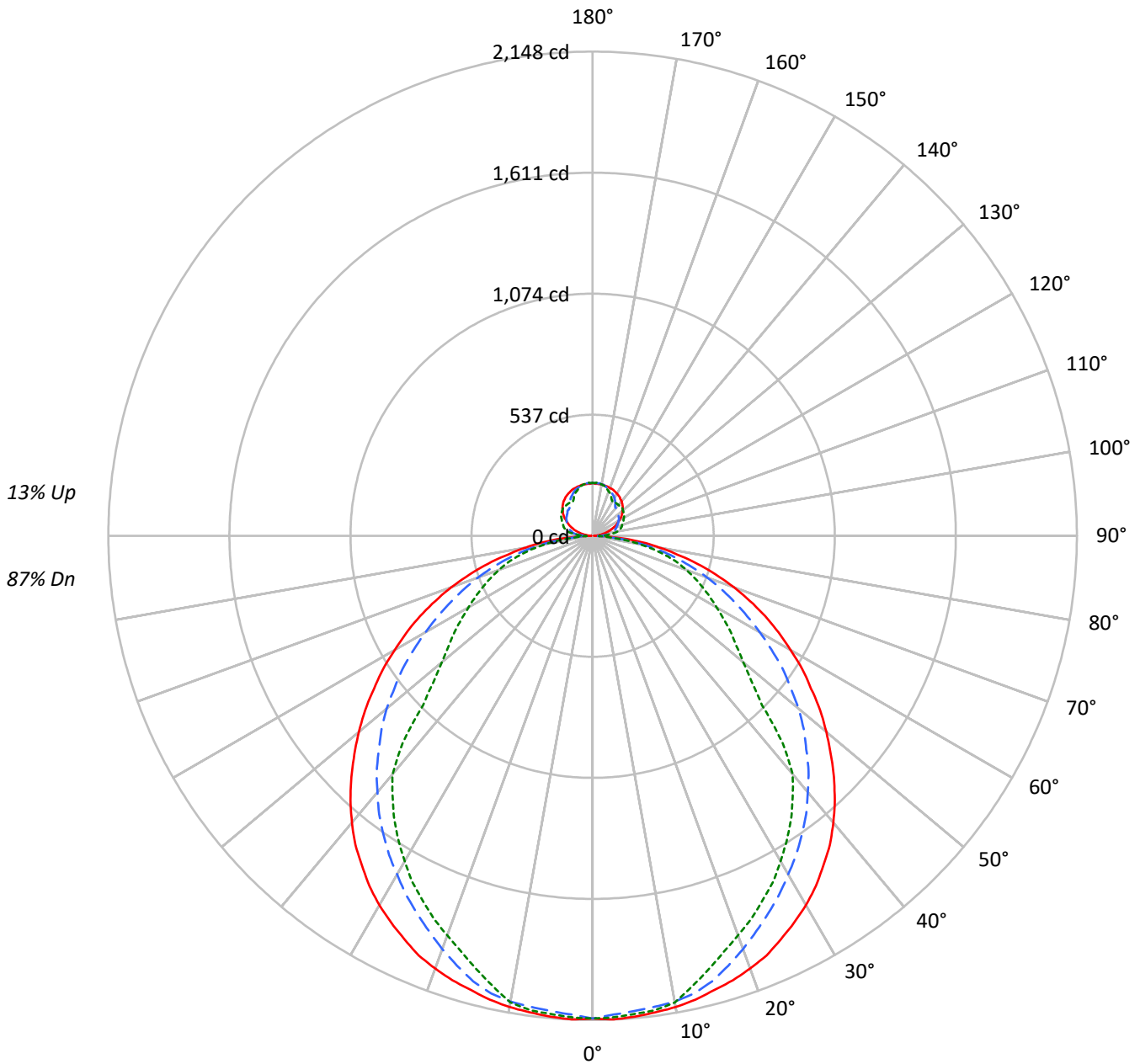
Lumens per Lamp: N/A
Luminaire Lumens: 6665.0 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 76.3
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°	11526	11526	11526
5°	11570	11437	11504
10°	11603	11468	11485
15°	11624	11400	11091
20°	11701	11172	10801
25°	11729	10961	10595
30°	11758	10782	10360
35°	11722	10629	10083
40°	11669	10435	9699
45°	11516	10202	8092
50°	11327	9985	7302
55°	11103	9657	7026
60°	10912	9220	6833
65°	10752	8829	6828
70°	10474	8486	6935
75°	9996	8074	6985
80°	9360	7259	6493
85°	8565	5138	4378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.7	3.0
10°-20°	576.4	8.6
20°-30°	861.3	12.9
30°-40°	1028.1	15.4
40°-50°	1028.2	15.4
50°-60°	889.9	13.4
60°-70°	683.0	10.2
70°-80°	418.5	6.3
80°-90°	117.8	1.8
90°-100°	66.6	1.0
100°-110°	105.7	1.6
110°-120°	123.6	1.9
120°-130°	133.4	2.0
130°-140°	131.5	2.0
140°-150°	116.3	1.7
150°-160°	95.7	1.4
160°-170°	64.0	1.0
170°-180°	22.3	0.3
0°-30°	1640.4	24.6
0°-40°	2668.5	40.0
0°-60°	4586.6	68.8
0°-90°	5805.9	87.1
90°-120°	295.9	4.4
90°-150°	677.0	10.2
90°-180°	859.0	12.9
0°-180°	6665.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2142	2142	2142	2142	2142	
5°	2142	2136	2117	2132	2129	204
15°	2086	2083	2046	2009	1991	590
25°	1975	1951	1846	1796	1784	911
35°	1784	1738	1618	1559	1535	1117
45°	1513	1470	1340	1220	1063	1167
55°	1183	1156	1029	823	749	1061
65°	844	814	693	558	536	834
75°	481	456	388	336	336	507
85°	139	114	83	71	71	145
90°	6	22	34	43	46	10
95°	25	52	71	74	74	24
105°	71	74	105	123	129	74
115°	117	99	123	142	151	114
125°	157	126	142	163	170	140
135°	188	170	157	173	182	145
145°	210	200	176	173	179	131
155°	222	219	206	197	194	102
165°	228	231	225	225	225	65
175°	231	234	234	237	237	22
180°	234	234	234	234	234	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2141.6	2141.6	2141.6	2141.6	2141.6
2.5°	2147.8	2141.6	2126.2	2141.6	2138.5
5°	2141.6	2135.5	2117.0	2132.4	2129.3
7.5°	2132.4	2126.2	2107.7	2126.2	2123.1
10°	2123.1	2117.0	2098.5	2110.8	2101.6
12.5°	2107.7	2101.6	2080.0	2064.6	2046.1
15°	2086.2	2083.1	2046.1	2009.1	1990.6
17.5°	2067.7	2058.4	1999.9	1956.7	1935.2
20°	2043.0	2027.6	1950.6	1901.3	1885.9
22.5°	2015.3	1990.6	1898.2	1852.0	1839.6
25°	1975.2	1950.6	1845.8	1796.5	1784.2
27.5°	1935.2	1904.3	1793.4	1744.1	1731.8
30°	1892.0	1848.9	1734.9	1688.6	1667.1
32.5°	1842.7	1799.6	1679.4	1627.0	1602.4
35°	1784.2	1737.9	1617.8	1559.2	1534.6
37.5°	1728.7	1679.4	1556.1	1491.4	1457.5
40°	1660.9	1611.6	1485.3	1414.4	1380.5
42.5°	1590.0	1543.8	1417.5	1331.2	1248.0
45°	1513.0	1469.9	1340.4	1220.3	1063.1
47.5°	1432.9	1395.9	1269.6	1106.2	955.3
50°	1352.8	1315.8	1192.5	998.4	872.1
52.5°	1272.6	1241.8	1106.2	909.0	804.3
55°	1183.3	1155.6	1029.2	822.8	748.8
57.5°	1103.2	1075.4	939.8	751.9	690.2
60°	1013.8	989.2	856.6	681.0	634.8
62.5°	930.6	902.9	773.4	619.4	585.5
65°	844.3	813.5	693.3	557.7	536.2
67.5°	755.0	724.1	616.3	502.3	490.0
70°	665.6	640.9	539.3	446.8	440.7
72.5°	573.2	545.4	462.2	394.4	394.4
75°	480.7	456.1	388.3	335.9	335.9
77.5°	385.2	372.9	311.2	274.3	277.3
80°	302.0	286.6	234.2	209.5	209.5
82.5°	221.9	203.4	157.2	138.7	144.8
85°	138.7	114.0	83.2	70.9	70.9
87.5°	43.1	33.9	24.7	27.7	27.7
90°	6.2	21.6	33.9	43.1	46.2
92.5°	15.4	40.1	49.3	58.5	61.6
95°	24.7	52.4	70.9	74.0	74.0
97.5°	33.9	58.5	86.3	98.6	98.6
100°	46.2	61.6	92.4	110.9	114.0
102.5°	58.5	67.8	98.6	117.1	123.3
105°	70.9	74.0	104.8	123.3	129.4



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CATALOG NUMBER: 4WSLA-200-L930-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	104.8	92.4	117.1	138.7	144.8
115°	117.1	98.6	123.3	141.7	151.0
117.5°	126.3	107.9	129.4	147.9	154.1
120°	135.6	114.0	132.5	154.1	160.2
122.5°	147.9	120.2	138.7	157.2	166.4
125°	157.2	126.3	141.7	163.3	169.5
127.5°	166.4	138.7	144.8	166.4	172.6
130°	172.6	151.0	147.9	169.5	175.6
132.5°	181.8	160.2	151.0	172.6	178.7
135°	188.0	169.5	157.2	172.6	181.8
137.5°	194.1	178.7	157.2	172.6	178.7
140°	200.3	188.0	160.2	172.6	178.7
142.5°	203.4	194.1	163.3	172.6	178.7
145°	209.5	200.3	175.6	172.6	178.7
147.5°	212.6	206.5	184.9	172.6	178.7
150°	215.7	212.6	194.1	175.6	175.6
152.5°	218.8	215.7	200.3	188.0	181.8
155°	221.9	218.8	206.5	197.2	194.1
157.5°	224.9	224.9	212.6	206.5	203.4
160°	224.9	228.0	218.8	212.6	209.5
162.5°	228.0	231.1	221.9	218.8	215.7
165°	228.0	231.1	224.9	224.9	224.9
167.5°	231.1	234.2	231.1	228.0	228.0
170°	231.1	234.2	231.1	231.1	231.1
172.5°	231.1	234.2	234.2	234.2	234.2
175°	231.1	234.2	234.2	237.3	237.3
177.5°	231.1	234.2	234.2	234.2	234.2
180°	234.2	234.2	234.2	234.2	234.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	83.2	80.1	107.9	129.4	135.6
110°	92.4	86.3	114.0	132.5	138.7



(END OF REPORT)