

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: P520575

Luminaire Tested: **4WSLA-200-L940-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520575
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-L940-UPL8-UNV-U
Description: 4 FOOT, 2000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 4000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

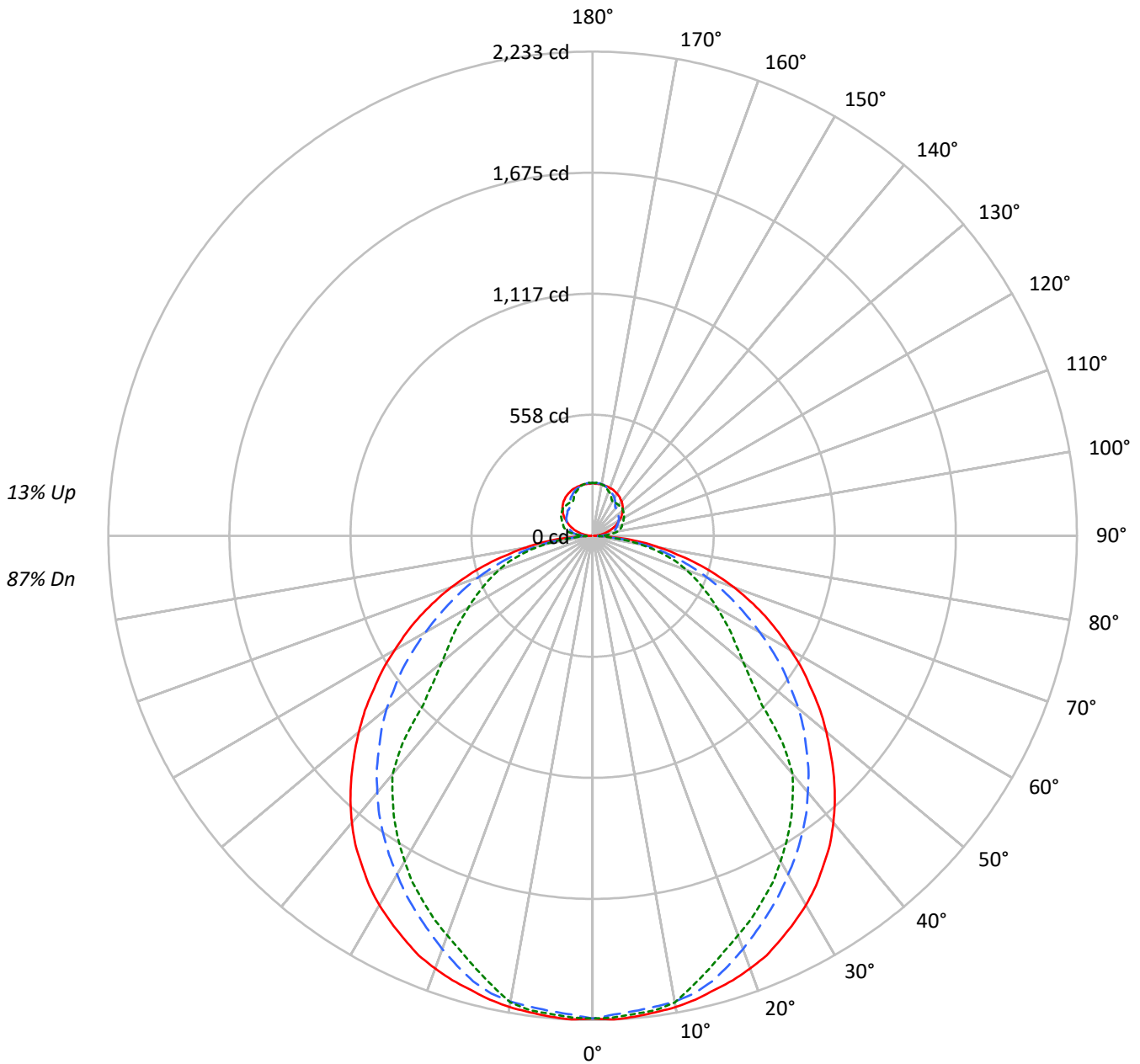
Lumens per Lamp: N/A
Luminaire Lumens: 6929.0 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

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°	11983	11983	11983
5°	12029	11890	11959
10°	12062	11922	11940
15°	12084	11852	11531
20°	12164	11614	11229
25°	12194	11395	11014
30°	12224	11209	10770
35°	12186	11050	10482
40°	12131	10848	10083
45°	11972	10606	8412
50°	11775	10381	7591
55°	11543	10040	7305
60°	11345	9586	7103
65°	11179	9179	7098
70°	10889	8821	7209
75°	10393	8393	7261
80°	9729	7547	6750
85°	8904	5341	4551



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.8	3.0
10°-20°	599.2	8.6
20°-30°	895.4	12.9
30°-40°	1068.8	15.4
40°-50°	1068.9	15.4
50°-60°	925.1	13.4
60°-70°	710.1	10.2
70°-80°	435.1	6.3
80°-90°	122.5	1.8
90°-100°	69.2	1.0
100°-110°	109.9	1.6
110°-120°	128.5	1.9
120°-130°	138.7	2.0
130°-140°	136.7	2.0
140°-150°	120.9	1.7
150°-160°	99.5	1.4
160°-170°	66.6	1.0
170°-180°	23.2	0.3
0°-30°	1705.4	24.6
0°-40°	2774.2	40.0
0°-60°	4768.3	68.8
0°-90°	6035.9	87.1
90°-120°	307.6	4.4
90°-150°	703.8	10.2
90°-180°	893.0	12.9
0°-180°	6929.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2226	2226	2226	2226	2226	
5°	2226	2220	2201	2217	2214	212
15°	2169	2166	2127	2089	2070	614
25°	2054	2028	1919	1868	1855	947
35°	1855	1807	1682	1621	1595	1162
45°	1573	1528	1394	1269	1105	1213
55°	1230	1201	1070	855	778	1103
65°	878	846	721	580	557	867
75°	500	474	404	349	349	527
85°	144	118	86	74	74	151
90°	6	22	35	45	48	10
95°	26	54	74	77	77	25
105°	74	77	109	128	134	77
115°	122	102	128	147	157	119
125°	163	131	147	170	176	146
135°	195	176	163	179	189	151
145°	218	208	183	179	186	136
155°	231	228	215	205	202	106
165°	237	240	234	234	234	67
175°	240	244	244	247	247	23
180°	244	244	244	244	244	



TEST NUMBER: P520575

CATALOG NUMBER: 4WSLA-200-L940-UPL8-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2226.5	2226.5	2226.5	2226.5	2226.5
2.5°	2232.9	2226.5	2210.4	2226.5	2223.2
5°	2226.5	2220.0	2200.8	2216.8	2213.6
7.5°	2216.8	2210.4	2191.2	2210.4	2207.2
10°	2207.2	2200.8	2181.6	2194.4	2184.8
12.5°	2191.2	2184.8	2162.4	2146.4	2127.1
15°	2168.8	2165.6	2127.1	2088.7	2069.5
17.5°	2149.6	2140.0	2079.1	2034.2	2011.8
20°	2123.9	2107.9	2027.8	1976.6	1960.6
22.5°	2095.1	2069.5	1973.4	1925.3	1912.5
25°	2053.5	2027.8	1918.9	1867.7	1854.8
27.5°	2011.8	1979.8	1864.5	1813.2	1800.4
30°	1967.0	1922.1	1803.6	1755.5	1733.1
32.5°	1915.7	1870.9	1745.9	1691.5	1665.8
35°	1854.8	1806.8	1681.9	1621.0	1595.4
37.5°	1797.2	1745.9	1617.8	1550.5	1515.3
40°	1726.7	1675.4	1544.1	1470.4	1435.2
42.5°	1653.0	1605.0	1473.6	1383.9	1297.4
45°	1572.9	1528.1	1393.5	1268.6	1105.2
47.5°	1489.6	1451.2	1319.9	1150.1	993.1
50°	1406.3	1367.9	1239.8	1037.9	906.6
52.5°	1323.1	1291.0	1150.1	945.0	836.1
55°	1230.2	1201.3	1070.0	855.3	778.5
57.5°	1146.9	1118.0	977.1	781.7	717.6
60°	1054.0	1028.3	890.6	708.0	659.9
62.5°	967.5	938.6	804.1	643.9	608.7
65°	877.8	845.7	720.8	579.8	557.4
67.5°	784.9	752.8	640.7	522.2	509.4
70°	692.0	666.3	560.6	464.5	458.1
72.5°	595.9	567.0	480.5	410.1	410.1
75°	499.8	474.1	403.6	349.2	349.2
77.5°	400.4	387.6	323.6	285.1	288.3
80°	313.9	297.9	243.5	217.8	217.8
82.5°	230.7	211.4	163.4	144.2	150.6
85°	144.2	118.5	86.5	73.7	73.7
87.5°	44.8	35.2	25.6	28.8	28.8
90°	6.4	22.4	35.2	44.8	48.1
92.5°	16.0	41.6	51.3	60.9	64.1
95°	25.6	54.5	73.7	76.9	76.9
97.5°	35.2	60.9	89.7	102.5	102.5
100°	48.1	64.1	96.1	115.3	118.5
102.5°	60.9	70.5	102.5	121.7	128.1
105°	73.7	76.9	108.9	128.1	134.5



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CATALOG NUMBER: 4WSLA-200-L940-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	108.9	96.1	121.7	144.2	150.6
115°	121.7	102.5	128.1	147.4	157.0
117.5°	131.3	112.1	134.5	153.8	160.2
120°	141.0	118.5	137.8	160.2	166.6
122.5°	153.8	124.9	144.2	163.4	173.0
125°	163.4	131.3	147.4	169.8	176.2
127.5°	173.0	144.2	150.6	173.0	179.4
130°	179.4	157.0	153.8	176.2	182.6
132.5°	189.0	166.6	157.0	179.4	185.8
135°	195.4	176.2	163.4	179.4	189.0
137.5°	201.8	185.8	163.4	179.4	185.8
140°	208.2	195.4	166.6	179.4	185.8
142.5°	211.4	201.8	169.8	179.4	185.8
145°	217.8	208.2	182.6	179.4	185.8
147.5°	221.0	214.6	192.2	179.4	185.8
150°	224.2	221.0	201.8	182.6	182.6
152.5°	227.5	224.2	208.2	195.4	189.0
155°	230.7	227.5	214.6	205.0	201.8
157.5°	233.9	233.9	221.0	214.6	211.4
160°	233.9	237.1	227.5	221.0	217.8
162.5°	237.1	240.3	230.7	227.5	224.2
165°	237.1	240.3	233.9	233.9	233.9
167.5°	240.3	243.5	240.3	237.1	237.1
170°	240.3	243.5	240.3	240.3	240.3
172.5°	240.3	243.5	243.5	243.5	243.5
175°	240.3	243.5	243.5	246.7	246.7
177.5°	240.3	243.5	243.5	243.5	243.5
180°	243.5	243.5	243.5	243.5	243.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	86.5	83.3	112.1	134.5	141.0
110°	96.1	89.7	118.5	137.8	144.2



(END OF REPORT)