

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: P506138

Luminaire Tested: **14PD-80-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-80-PL1-L930
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

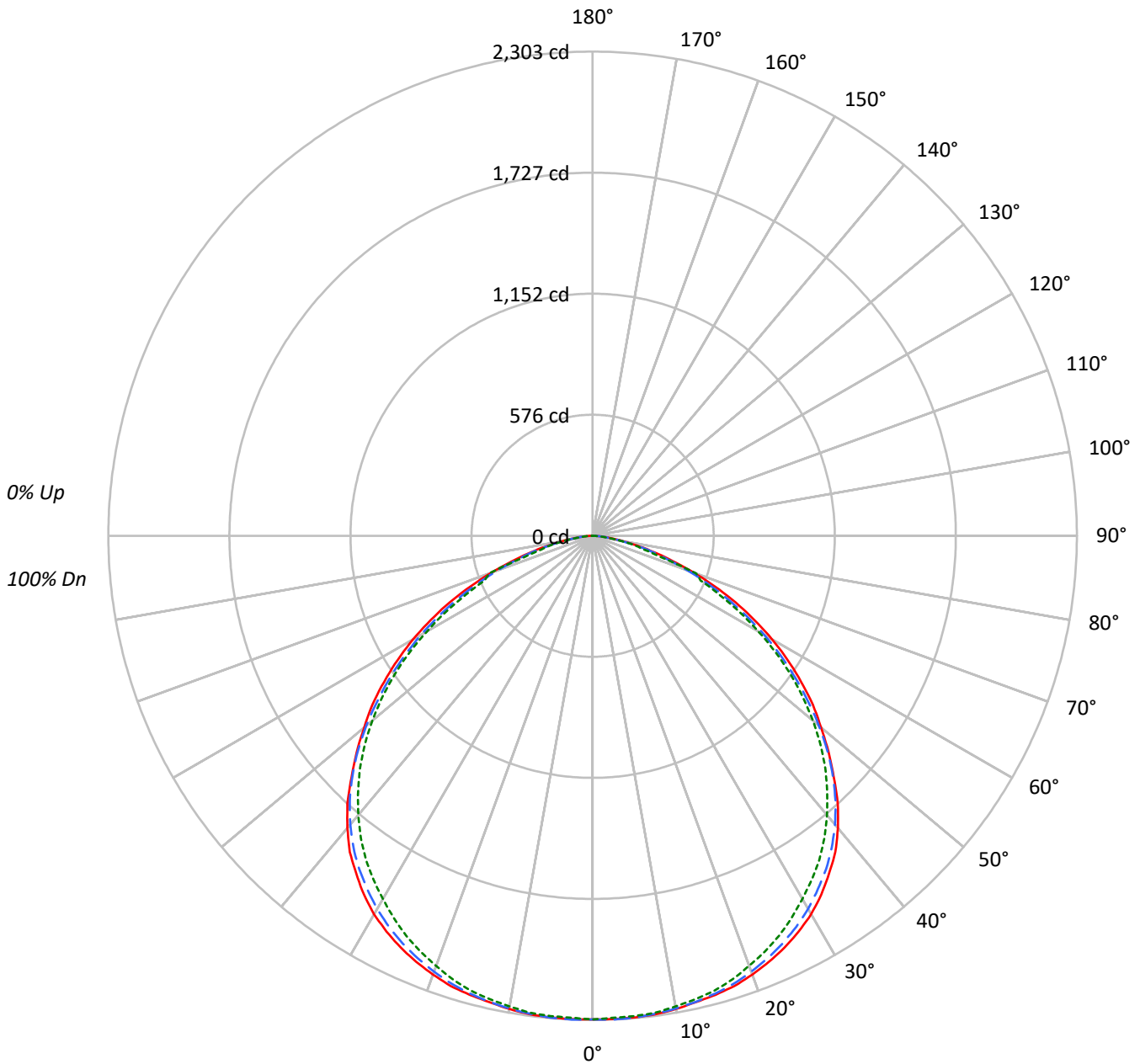
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6394.5 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 84.4
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6191	6191	6191
5°	6212	6215	6194
10°	6245	6238	6211
15°	6297	6279	6241
20°	6361	6317	6234
25°	6415	6351	6231
30°	6458	6368	6199
35°	6442	6359	6176
40°	6373	6298	6089
45°	6169	6149	5952
50°	5935	5882	5723
55°	5679	5513	5388
60°	5304	5066	4896
65°	4779	4481	4239
70°	3996	3747	4116
75°	3152	3035	2627
80°	2272	2016	2056
85°	1442	1210	1130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.8	3.4
10°-20°	635.8	9.9
20°-30°	983.1	15.4
30°-40°	1203.2	18.8
40°-50°	1233.5	19.3
50°-60°	1050.6	16.4
60°-70°	702.0	11.0
70°-80°	311.1	4.9
80°-90°	56.3	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1837.7	28.7
0°-40°	3040.9	47.6
0°-60°	5325.0	83.3
0°-90°	6394.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6394.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2301	2301	2301	2301	2301	
5°	2300	2294	2301	2300	2293	219
15°	2260	2253	2254	2248	2240	639
25°	2160	2153	2139	2111	2099	996
35°	1961	1956	1936	1893	1880	1226
45°	1621	1626	1616	1579	1564	1251
55°	1210	1204	1175	1151	1148	1080
65°	750	744	704	672	666	740
75°	303	307	292	293	253	328
85°	47	46	39	38	37	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2300.7	2300.7	2300.7	2300.7	2300.7
2.5°	2300.7	2296.9	2303.3	2305.8	2294.4
5°	2299.5	2294.4	2300.7	2299.5	2293.1
7.5°	2295.7	2286.8	2293.1	2290.6	2288.1
10°	2285.6	2278.0	2283.0	2279.3	2272.9
12.5°	2271.7	2266.6	2270.4	2266.6	2257.8
15°	2260.3	2252.7	2254.0	2247.7	2240.1
17.5°	2245.1	2233.8	2233.8	2221.1	2212.3
20°	2221.1	2211.0	2206.0	2188.3	2176.9
22.5°	2193.3	2185.8	2175.6	2152.9	2140.3
25°	2160.5	2152.9	2139.0	2111.2	2098.6
27.5°	2122.6	2112.5	2097.3	2064.5	2049.3
30°	2078.4	2065.7	2049.3	2012.7	1995.0
32.5°	2024.0	2015.2	1993.7	1955.8	1939.4
35°	1960.9	1955.8	1935.6	1892.6	1880.0
37.5°	1896.4	1886.3	1868.6	1823.1	1810.5
40°	1814.3	1808.0	1792.8	1748.6	1733.4
42.5°	1725.9	1722.1	1709.4	1667.7	1651.3
45°	1621.0	1626.1	1615.9	1579.3	1564.1
47.5°	1521.2	1518.7	1514.9	1482.0	1469.4
50°	1417.6	1412.5	1404.9	1378.4	1367.0
52.5°	1320.3	1310.2	1290.0	1267.2	1259.7
55°	1210.4	1204.1	1175.0	1151.0	1148.5
57.5°	1099.2	1095.4	1060.0	1032.2	1032.2
60°	985.5	980.4	941.3	912.2	909.7
62.5°	866.7	862.9	822.5	789.7	790.9
65°	750.5	744.2	703.7	672.2	665.8
67.5°	629.2	626.7	587.5	558.4	555.9
70°	507.9	507.9	476.3	451.0	523.1
72.5°	400.5	396.7	371.5	360.1	343.7
75°	303.2	307.0	291.9	293.1	252.7
77.5°	216.0	209.7	203.4	189.5	200.9
80°	146.6	142.8	130.1	126.3	132.7
82.5°	91.0	92.2	80.9	73.3	72.0
85°	46.7	45.5	39.2	37.9	36.6
87.5°	17.7	19.0	16.4	15.2	13.9
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







(END OF REPORT)