

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: P506082

Luminaire Tested: **14PD-70-PL1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506082
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-70-PL1-L850
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

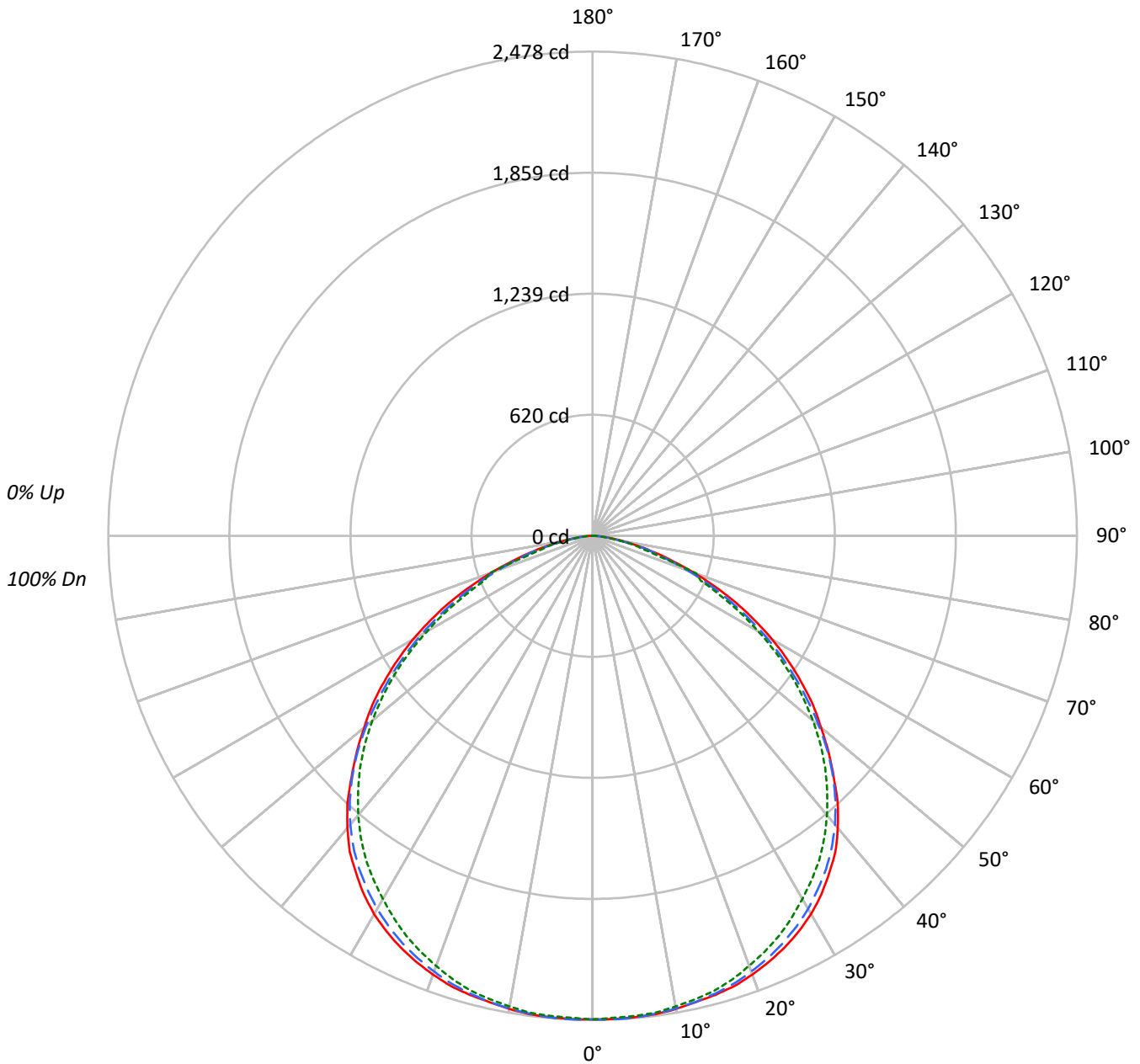
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6879.8 lumens
Efficiency: N/A
Efficacy: 96.6 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): 71.2
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: P506082
CATALOG NUMBER: 14PD-70-PL1-L850

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	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°	6661	6661	6661
5°	6683	6687	6665
10°	6719	6712	6682
15°	6775	6756	6714
20°	6843	6797	6707
25°	6902	6833	6704
30°	6948	6851	6669
35°	6931	6841	6645
40°	6857	6776	6551
45°	6637	6616	6404
50°	6385	6328	6157
55°	6110	5931	5797
60°	5706	5450	5267
65°	5142	4821	4562
70°	4300	4032	4428
75°	3392	3265	2827
80°	2444	2170	2211
85°	1553	1300	1216



TEST NUMBER: P506082
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.4	3.4
10°-20°	684.1	9.9
20°-30°	1057.7	15.4
30°-40°	1294.5	18.8
40°-50°	1327.1	19.3
50°-60°	1130.3	16.4
60°-70°	755.3	11.0
70°-80°	334.8	4.9
80°-90°	60.5	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°	1977.2	28.7
0°-40°	3271.7	47.6
0°-60°	5729.2	83.3
0°-90°	6879.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6879.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2475	2475	2475	2475	2475	
5°	2474	2469	2475	2474	2467	236
15°	2432	2424	2425	2418	2410	688
25°	2324	2316	2301	2272	2258	1072
35°	2110	2104	2082	2036	2023	1319
45°	1744	1750	1739	1699	1683	1346
55°	1302	1296	1264	1238	1236	1162
65°	808	801	757	723	716	796
75°	326	330	314	315	272	353
85°	50	49	42	41	39	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2475.4	2475.4	2475.4	2475.4	2475.4
2.5°	2475.4	2471.3	2478.1	2480.8	2468.6
5°	2474.0	2468.6	2475.4	2474.0	2467.2
7.5°	2469.9	2460.4	2467.2	2464.5	2461.8
10°	2459.1	2450.9	2456.3	2452.3	2445.5
12.5°	2444.1	2438.7	2442.7	2438.7	2429.2
15°	2431.9	2423.7	2425.1	2418.3	2410.1
17.5°	2415.6	2403.3	2403.3	2389.7	2380.2
20°	2389.7	2378.9	2373.4	2354.4	2342.2
22.5°	2359.8	2351.7	2340.8	2316.3	2302.7
25°	2324.5	2316.3	2301.4	2271.5	2257.9
27.5°	2283.7	2272.8	2256.5	2221.2	2204.9
30°	2236.1	2222.5	2204.9	2165.4	2146.4
32.5°	2177.7	2168.2	2145.0	2104.3	2086.6
35°	2109.7	2104.3	2082.5	2036.3	2022.7
37.5°	2040.4	2029.5	2010.5	1961.5	1947.9
40°	1952.0	1945.2	1928.9	1881.3	1865.0
42.5°	1856.9	1852.8	1839.2	1794.3	1776.7
45°	1744.0	1749.5	1738.6	1699.2	1682.9
47.5°	1636.7	1633.9	1629.9	1594.5	1580.9
50°	1525.2	1519.7	1511.6	1483.0	1470.8
52.5°	1420.5	1409.6	1387.9	1363.4	1355.3
55°	1302.3	1295.5	1264.2	1238.4	1235.6
57.5°	1182.6	1178.6	1140.5	1110.6	1110.6
60°	1060.3	1054.9	1012.7	981.4	978.7
62.5°	932.5	928.4	884.9	849.6	851.0
65°	807.5	800.7	757.2	723.2	716.4
67.5°	677.0	674.2	632.1	600.8	598.1
70°	546.5	546.5	512.5	485.3	562.8
72.5°	430.9	426.8	399.6	387.4	369.7
75°	326.2	330.3	314.0	315.4	271.9
77.5°	232.4	225.7	218.9	203.9	216.1
80°	157.7	153.6	140.0	135.9	142.7
82.5°	97.9	99.2	87.0	78.8	77.5
85°	50.3	48.9	42.1	40.8	39.4
87.5°	19.0	20.4	17.7	16.3	15.0
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)