

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: P506135

Luminaire Tested: **14PD-80-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506135
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-L840
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

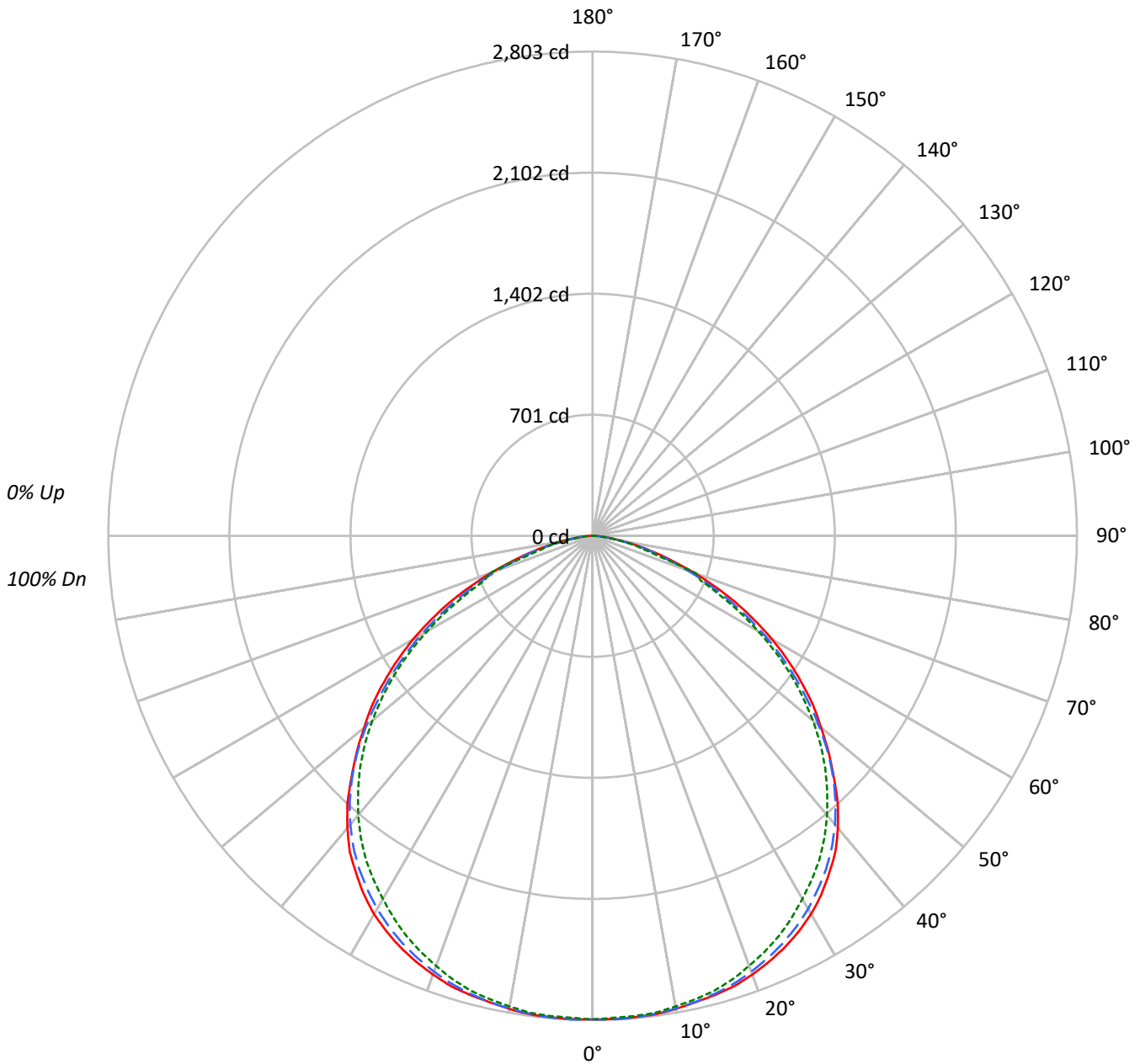
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7782.4 lumens
Efficiency: N/A
Efficacy: 92.2 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									
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°	7535	7535	7535
5°	7560	7564	7539
10°	7601	7593	7559
15°	7664	7642	7595
20°	7741	7688	7587
25°	7807	7730	7584
30°	7860	7750	7544
35°	7840	7739	7516
40°	7757	7665	7411
45°	7508	7485	7244
50°	7223	7158	6965
55°	6911	6709	6557
60°	6455	6166	5958
65°	5816	5454	5160
70°	4863	4561	5009
75°	3837	3693	3197
80°	2765	2455	2503
85°	1757	1473	1377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.2	3.4
10°-20°	773.8	9.9
20°-30°	1196.5	15.4
30°-40°	1464.4	18.8
40°-50°	1501.2	19.3
50°-60°	1278.6	16.4
60°-70°	854.4	11.0
70°-80°	378.7	4.9
80°-90°	68.5	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°	2236.6	28.7
0°-40°	3700.9	47.6
0°-60°	6480.8	83.3
0°-90°	7782.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7782.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2800	2800	2800	2800	2800	
5°	2799	2792	2800	2799	2791	267
15°	2751	2742	2743	2736	2726	778
25°	2629	2620	2603	2569	2554	1212
35°	2386	2380	2356	2303	2288	1492
45°	1973	1979	1967	1922	1904	1523
55°	1473	1465	1430	1401	1398	1314
65°	913	906	856	818	810	900
75°	369	374	355	357	308	400
85°	57	55	48	46	45	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2800.1	2800.1	2800.1	2800.1	2800.1
2.5°	2800.1	2795.5	2803.2	2806.2	2792.4
5°	2798.6	2792.4	2800.1	2798.6	2790.9
7.5°	2793.9	2783.2	2790.9	2787.8	2784.7
10°	2781.6	2772.4	2778.6	2774.0	2766.3
12.5°	2764.7	2758.6	2763.2	2758.6	2747.8
15°	2750.9	2741.7	2743.2	2735.5	2726.3
17.5°	2732.4	2718.6	2718.6	2703.2	2692.5
20°	2703.2	2690.9	2684.8	2663.2	2649.4
22.5°	2669.4	2660.2	2647.9	2620.2	2604.8
25°	2629.4	2620.2	2603.3	2569.4	2554.1
27.5°	2583.3	2571.0	2552.5	2512.5	2494.1
30°	2529.5	2514.1	2494.1	2449.5	2428.0
32.5°	2463.3	2452.6	2426.4	2380.3	2360.3
35°	2386.5	2380.3	2355.7	2303.4	2288.0
37.5°	2308.0	2295.7	2274.2	2218.9	2203.5
40°	2208.1	2200.4	2181.9	2128.1	2109.7
42.5°	2100.5	2095.8	2080.5	2029.7	2009.7
45°	1972.8	1979.0	1966.7	1922.1	1903.6
47.5°	1851.4	1848.3	1843.7	1803.7	1788.3
50°	1725.3	1719.1	1709.9	1677.6	1663.8
52.5°	1606.9	1594.6	1570.0	1542.3	1533.1
55°	1473.1	1465.4	1430.0	1400.8	1397.7
57.5°	1337.8	1333.2	1290.1	1256.3	1256.3
60°	1199.4	1193.2	1145.6	1110.2	1107.1
62.5°	1054.8	1050.2	1001.0	961.0	962.6
65°	913.4	905.7	856.5	818.0	810.4
67.5°	765.8	762.7	715.0	679.6	676.6
70°	618.1	618.1	579.7	548.9	636.6
72.5°	487.4	482.8	452.1	438.2	418.2
75°	369.0	373.7	355.2	356.7	307.5
77.5°	262.9	255.3	247.6	230.7	244.5
80°	178.4	173.8	158.4	153.8	161.5
82.5°	110.7	112.2	98.4	89.2	87.6
85°	56.9	55.4	47.7	46.1	44.6
87.5°	21.5	23.1	20.0	18.5	16.9
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)