

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: P506153

Luminaire Tested: **14PD-80-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-80-PW1-L840
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

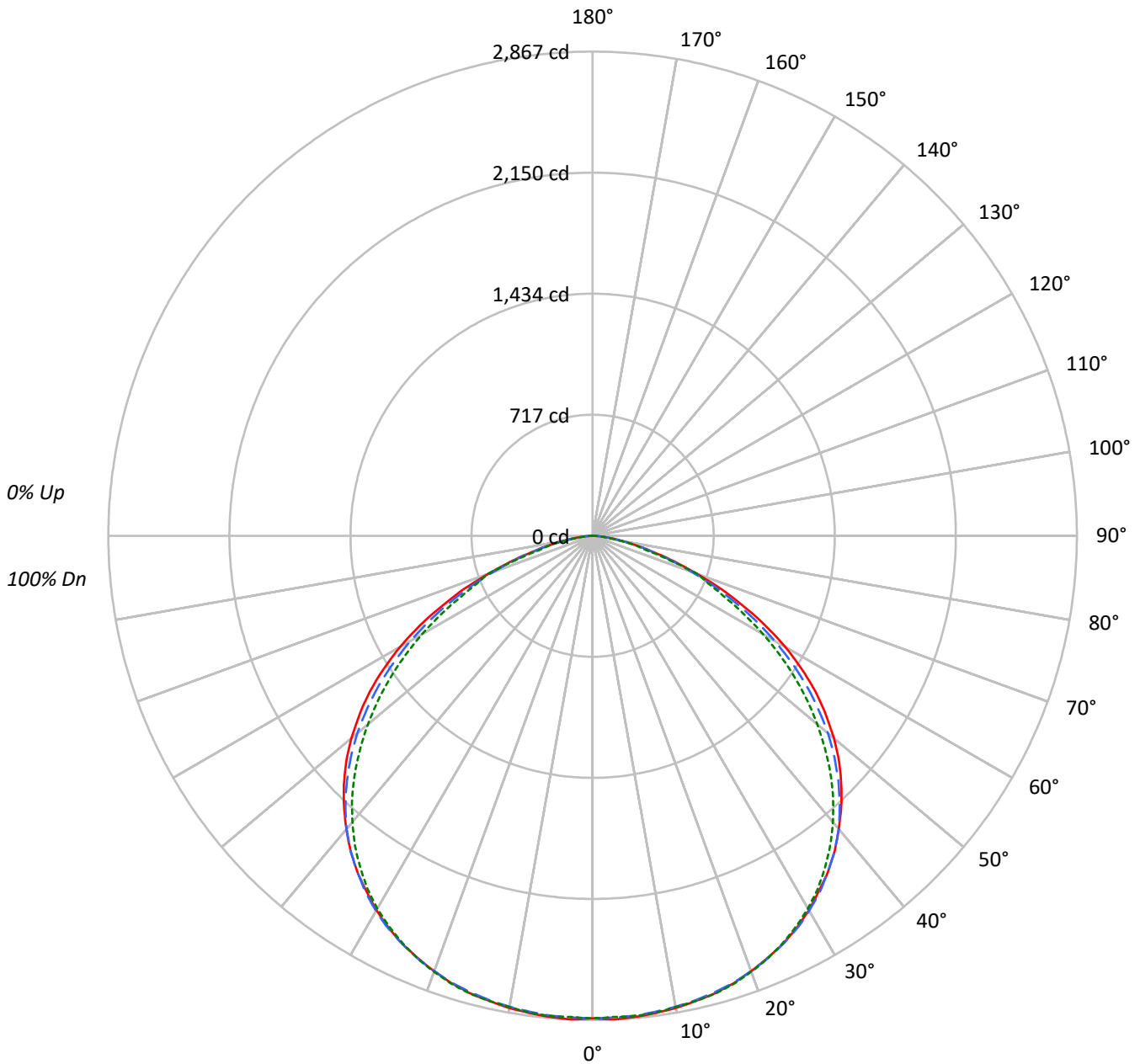
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8137.2 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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	97	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	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7689	7689	7689
5°	7727	7705	7714
10°	7759	7737	7741
15°	7811	7793	7820
20°	7858	7854	7868
25°	7918	7918	7903
30°	7955	7970	7920
35°	7980	7980	7879
40°	7966	7960	7773
45°	7923	7831	7579
50°	7803	7614	7269
55°	7562	7244	6850
60°	7084	6694	6276
65°	6273	5913	5522
70°	5121	4892	5160
75°	3863	3795	3409
80°	2779	2603	2603
85°	1744	1646	1445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.7	3.3
10°-20°	790.9	9.7
20°-30°	1227.8	15.1
30°-40°	1512.2	18.6
40°-50°	1574.4	19.3
50°-60°	1369.1	16.8
60°-70°	919.8	11.3
70°-80°	398.2	4.9
80°-90°	73.1	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°	2290.4	28.1
0°-40°	3802.6	46.7
0°-60°	6746.2	82.9
0°-90°	8137.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8137.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2857	2857	2857	2857	2857	
5°	2860	2843	2852	2859	2856	272
15°	2804	2784	2797	2807	2807	792
25°	2667	2654	2667	2667	2662	1229
35°	2429	2423	2429	2408	2398	1518
45°	2082	2076	2058	2011	1992	1604
55°	1612	1583	1544	1483	1460	1433
65°	985	968	929	885	867	976
75°	372	375	365	373	328	410
85°	56	58	53	47	47	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2857.2	2857.2	2857.2	2857.2	2857.2
2.5°	2866.9	2849.1	2855.6	2865.3	2852.4
5°	2860.4	2842.7	2852.4	2858.8	2855.6
7.5°	2850.7	2837.8	2842.7	2849.1	2847.5
10°	2839.4	2826.5	2831.4	2837.8	2833.0
12.5°	2821.7	2807.1	2816.8	2823.3	2821.7
15°	2803.9	2784.5	2797.4	2807.1	2807.1
17.5°	2778.1	2761.9	2774.8	2782.9	2781.3
20°	2744.1	2732.8	2742.5	2749.0	2747.4
22.5°	2705.4	2697.3	2708.6	2708.6	2708.6
25°	2666.6	2653.7	2666.6	2666.6	2661.8
27.5°	2616.5	2605.2	2621.4	2616.5	2608.5
30°	2560.0	2553.6	2564.9	2556.8	2548.7
32.5°	2493.8	2490.6	2501.9	2485.7	2479.3
35°	2429.2	2422.7	2429.2	2408.2	2398.5
37.5°	2353.3	2346.8	2353.3	2325.8	2311.3
40°	2267.7	2262.8	2266.1	2230.5	2212.8
42.5°	2178.8	2174.0	2165.9	2122.3	2107.8
45°	2081.9	2075.5	2057.7	2010.9	1991.5
47.5°	1978.6	1967.3	1941.4	1891.3	1865.5
50°	1863.9	1847.7	1818.7	1763.7	1736.3
52.5°	1739.5	1720.1	1683.0	1628.1	1602.2
55°	1611.9	1582.8	1544.1	1482.7	1460.1
57.5°	1466.6	1435.9	1395.5	1339.0	1313.1
60°	1316.3	1285.7	1243.7	1192.0	1166.1
62.5°	1156.4	1129.0	1087.0	1038.5	1015.9
65°	985.2	967.5	928.7	885.1	867.3
67.5°	823.7	806.0	773.7	736.5	743.0
70°	650.9	649.3	621.8	596.0	655.8
72.5°	507.2	503.9	489.4	476.5	473.2
75°	371.5	374.7	365.0	373.1	327.9
77.5°	261.7	264.9	263.3	240.7	252.0
80°	179.3	179.3	168.0	159.9	168.0
82.5°	108.2	129.2	116.3	95.3	92.1
85°	56.5	58.1	53.3	46.8	46.8
87.5°	21.0	24.2	21.0	19.4	17.8
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)