

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: P506504

Luminaire Tested: **22PD-80-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-80-PW1-L840
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

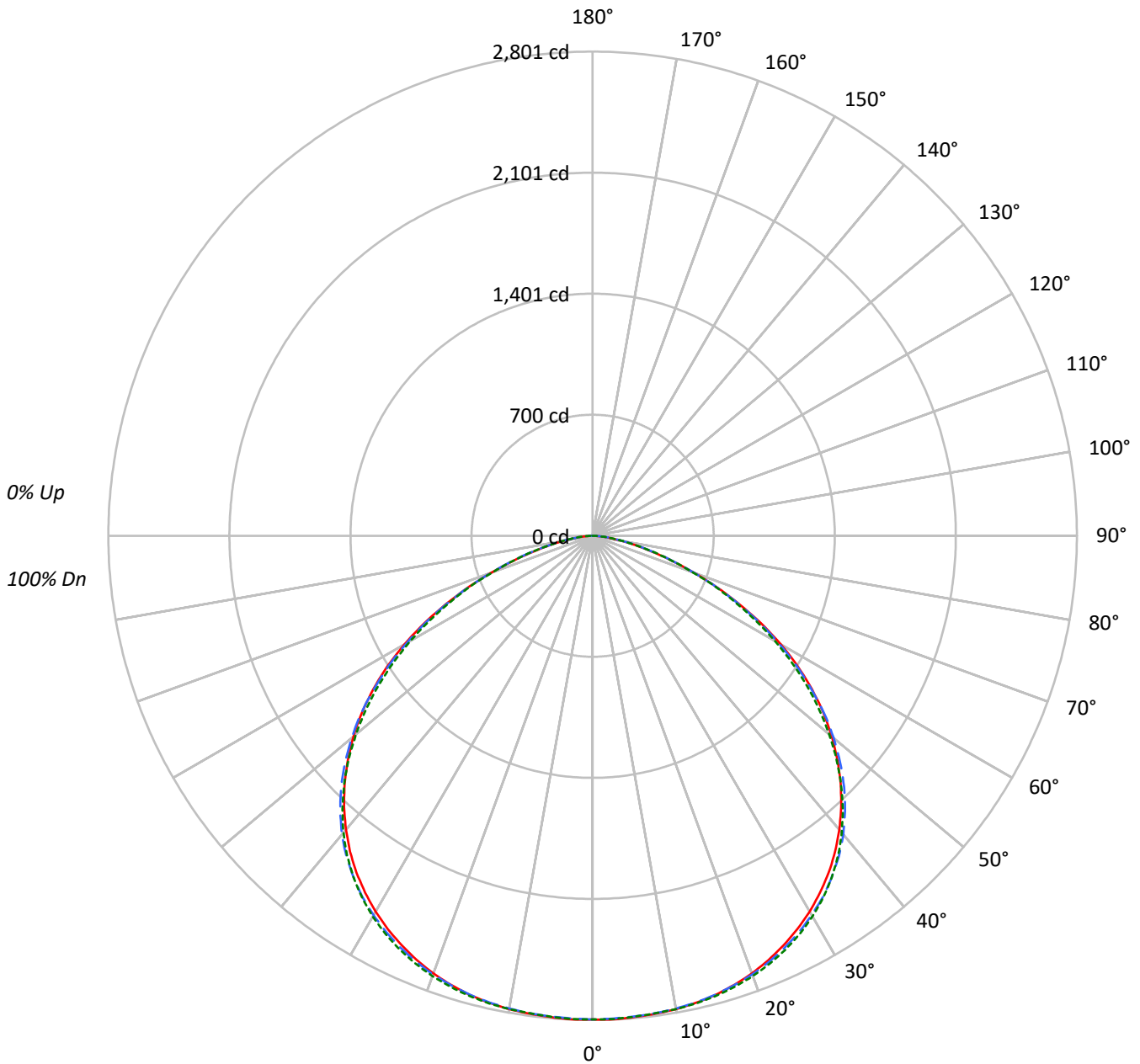
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8088.0 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 73.4
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	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°	7529	7529	7529
5°	7550	7539	7542
10°	7599	7588	7596
15°	7658	7656	7678
20°	7715	7732	7763
25°	7761	7806	7842
30°	7799	7874	7902
35°	7818	7920	7924
40°	7795	7921	7876
45°	7718	7828	7733
50°	7561	7615	7477
55°	7267	7234	7098
60°	6765	6690	6550
65°	5966	5909	5794
70°	4886	4910	4807
75°	3701	3826	3795
80°	2681	2789	2743
85°	1760	1822	1945



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.1	3.3
10°-20°	777.1	9.6
20°-30°	1211.5	15.0
30°-40°	1501.6	18.6
40°-50°	1571.2	19.4
50°-60°	1369.2	16.9
60°-70°	917.2	11.3
70°-80°	397.6	4.9
80°-90°	76.5	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°	2254.6	27.9
0°-40°	3756.2	46.4
0°-60°	6696.7	82.8
0°-90°	8088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8088.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2798	2798	2798	2798	2798	
5°	2795	2792	2791	2790	2792	266
15°	2749	2745	2748	2751	2756	777
25°	2614	2615	2629	2637	2641	1205
35°	2380	2389	2411	2414	2412	1488
45°	2028	2039	2057	2040	2032	1562
55°	1549	1548	1542	1525	1513	1379
65°	937	932	928	919	910	927
75°	356	362	368	365	365	392
85°	57	61	59	60	63	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2798	2798	2798	2798	2798
2.5°	2801	2796	2795	2795	2798
5°	2795	2792	2791	2790	2792
7.5°	2789	2785	2786	2784	2786
10°	2781	2777	2777	2777	2780
12.5°	2767	2764	2765	2767	2771
15°	2749	2745	2748	2751	2756
17.5°	2724	2721	2726	2731	2735
20°	2694	2691	2700	2707	2711
22.5°	2657	2656	2668	2676	2679
25°	2614	2615	2629	2637	2641
27.5°	2565	2567	2585	2592	2596
30°	2510	2515	2534	2540	2543
32.5°	2448	2455	2478	2482	2482
35°	2380	2389	2411	2414	2412
37.5°	2304	2314	2339	2335	2332
40°	2219	2230	2255	2247	2242
42.5°	2128	2139	2161	2149	2142
45°	2028	2039	2057	2040	2032
47.5°	1920	1933	1942	1923	1913
50°	1806	1810	1819	1797	1786
52.5°	1682	1682	1689	1665	1652
55°	1549	1548	1542	1525	1513
57.5°	1408	1402	1398	1380	1366
60°	1257	1248	1243	1228	1217
62.5°	1099	1094	1088	1076	1064
65°	937	932	928	919	910
67.5°	776	773	773	767	766
70°	621	623	624	624	611
72.5°	481	482	487	483	482
75°	356	362	368	365	365
77.5°	256	265	265	263	260
80°	173	177	180	179	177
82.5°	110	113	110	112	113
85°	57	61	59	60	63
87.5°	19	21	22	21	21
90°	0	0	0	0	0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







(END OF REPORT)