

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: P506502

Luminaire Tested: **22PD-80-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506502
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-L830
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

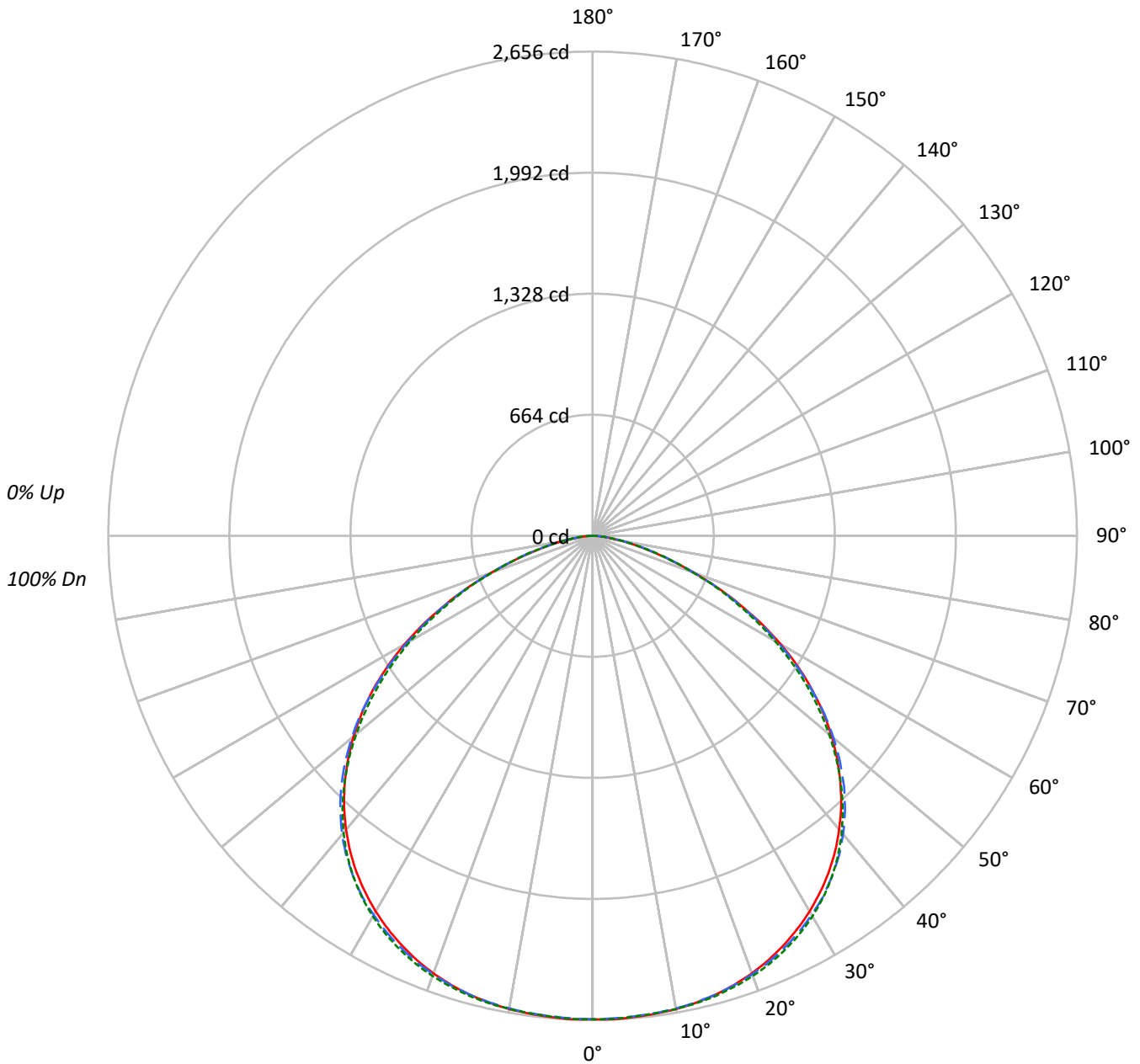
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7667.9 lumens
Efficiency: N/A
Efficacy: 104.5 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



0% Up
100% Dn



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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°	7138	7138	7138
5°	7158	7148	7150
10°	7204	7194	7202
15°	7261	7258	7279
20°	7314	7330	7360
25°	7358	7401	7434
30°	7394	7465	7491
35°	7412	7509	7512
40°	7390	7510	7467
45°	7317	7422	7332
50°	7168	7219	7088
55°	6890	6859	6730
60°	6414	6342	6210
65°	5656	5602	5493
70°	4632	4655	4558
75°	3509	3628	3597
80°	2541	2645	2600
85°	1667	1726	1843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.2	3.3
10°-20°	736.7	9.6
20°-30°	1148.6	15.0
30°-40°	1423.6	18.6
40°-50°	1489.6	19.4
50°-60°	1298.1	16.9
60°-70°	869.6	11.3
70°-80°	376.9	4.9
80°-90°	72.6	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°	2137.5	27.9
0°-40°	3561.2	46.4
0°-60°	6348.9	82.8
0°-90°	7667.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7667.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2653	2653	2653	2653	2653	
5°	2650	2647	2646	2645	2647	253
15°	2606	2602	2605	2608	2613	736
25°	2478	2479	2492	2500	2504	1143
35°	2256	2265	2286	2289	2287	1411
45°	1923	1933	1950	1934	1926	1481
55°	1468	1468	1462	1446	1434	1308
65°	888	884	880	871	863	879
75°	338	343	349	346	346	372
85°	54	58	56	57	60	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2652.7	2652.7	2652.7	2652.7	2652.7
2.5°	2655.5	2650.8	2649.8	2649.8	2652.7
5°	2649.8	2647.0	2646.0	2645.1	2647.0
7.5°	2644.1	2640.3	2641.3	2639.4	2641.3
10°	2636.6	2632.8	2632.8	2632.8	2635.6
12.5°	2623.3	2620.4	2621.4	2623.3	2627.1
15°	2606.2	2602.4	2605.3	2608.1	2612.9
17.5°	2582.5	2579.7	2584.4	2589.2	2592.9
20°	2554.1	2551.2	2559.8	2566.4	2570.2
22.5°	2519.0	2518.0	2529.4	2537.0	2539.9
25°	2478.2	2479.2	2492.5	2500.0	2503.8
27.5°	2431.8	2433.7	2450.7	2457.4	2461.2
30°	2379.6	2384.4	2402.4	2408.1	2410.9
32.5°	2320.9	2327.5	2349.3	2353.1	2353.1
35°	2256.4	2264.9	2285.8	2288.6	2286.7
37.5°	2184.3	2193.8	2217.5	2213.7	2210.9
40°	2103.7	2114.2	2137.9	2130.3	2125.6
42.5°	2017.5	2027.9	2048.8	2037.4	2030.7
45°	1922.7	1933.1	1950.2	1934.0	1926.5
47.5°	1820.3	1832.6	1841.1	1823.1	1813.6
50°	1712.2	1716.0	1724.5	1703.7	1693.2
52.5°	1594.6	1594.6	1601.3	1578.5	1566.2
55°	1468.5	1467.6	1461.9	1445.8	1434.4
57.5°	1334.9	1329.2	1325.4	1308.3	1295.1
60°	1191.7	1183.2	1178.4	1164.2	1153.8
62.5°	1041.9	1037.2	1031.5	1020.1	1008.7
65°	888.3	883.6	879.8	871.3	862.7
67.5°	735.7	732.9	732.9	727.2	726.2
70°	588.7	590.6	591.6	591.6	579.3
72.5°	456.0	457.0	461.7	457.9	457.0
75°	337.5	343.2	348.9	346.0	346.0
77.5°	242.7	251.2	251.2	249.3	246.5
80°	164.0	167.8	170.7	169.7	167.8
82.5°	104.3	107.1	104.3	106.2	107.1
85°	54.0	57.8	55.9	56.9	59.7
87.5°	18.0	19.9	20.9	19.9	19.9
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)