

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: P506505

Luminaire Tested: **22PD-80-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506505
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-L850
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

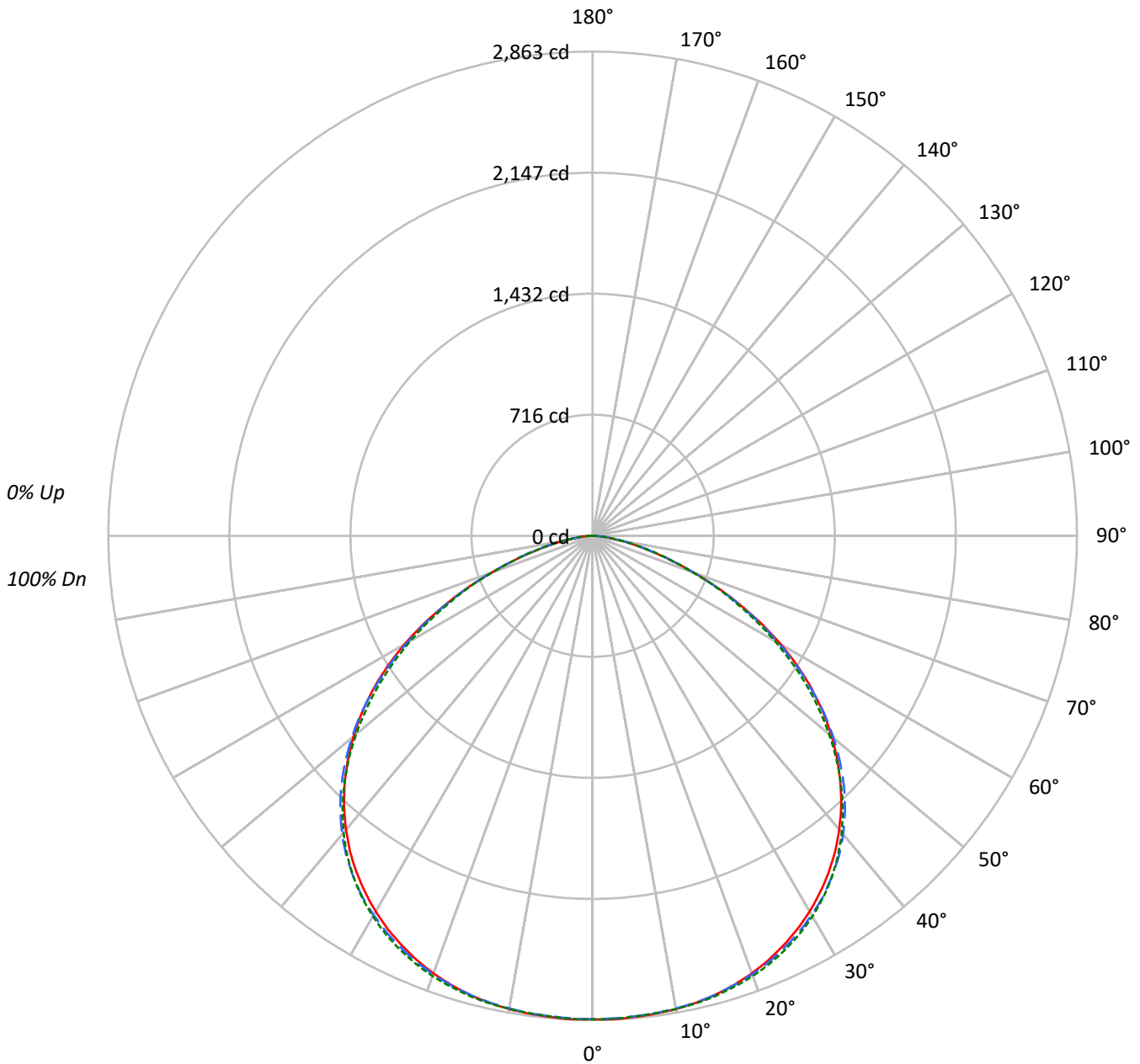
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8265.8 lumens
Efficiency: N/A
Efficacy: 112.6 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				20				
RC	80				70				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°	7695	7695	7695
5°	7716	7705	7708
10°	7766	7755	7763
15°	7827	7824	7847
20°	7884	7902	7934
25°	7932	7978	8014
30°	7971	8047	8075
35°	7990	8094	8098
40°	7966	8096	8049
45°	7888	8000	7903
50°	7727	7783	7641
55°	7427	7393	7255
60°	6914	6837	6694
65°	6097	6039	5922
70°	4994	5017	4913
75°	3782	3910	3878
80°	2740	2851	2803
85°	1800	1862	1988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.9	3.3
10°-20°	794.2	9.6
20°-30°	1238.2	15.0
30°-40°	1534.6	18.6
40°-50°	1605.8	19.4
50°-60°	1399.3	16.9
60°-70°	937.4	11.3
70°-80°	406.3	4.9
80°-90°	78.2	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°	2304.2	27.9
0°-40°	3838.9	46.4
0°-60°	6843.9	82.8
0°-90°	8265.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8265.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2860	2860	2860	2860	2860	
5°	2856	2853	2852	2851	2853	272
15°	2810	2805	2808	2812	2817	794
25°	2672	2672	2687	2695	2699	1232
35°	2432	2442	2464	2467	2465	1521
45°	2073	2084	2102	2085	2077	1596
55°	1583	1582	1576	1558	1546	1410
65°	958	952	948	939	930	947
75°	364	370	376	373	373	401
85°	58	62	60	61	64	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2859.5	2859.5	2859.5	2859.5	2859.5
2.5°	2862.6	2857.5	2856.5	2856.5	2859.5
5°	2856.5	2853.4	2852.4	2851.4	2853.4
7.5°	2850.3	2846.2	2847.3	2845.2	2847.3
10°	2842.2	2838.1	2838.1	2838.1	2841.1
12.5°	2827.9	2824.8	2825.8	2827.9	2831.9
15°	2809.5	2805.4	2808.4	2811.5	2816.6
17.5°	2783.9	2780.8	2785.9	2791.1	2795.1
20°	2753.2	2750.2	2759.4	2766.5	2770.6
22.5°	2715.4	2714.4	2726.7	2734.8	2737.9
25°	2671.5	2672.5	2686.8	2695.0	2699.1
27.5°	2621.4	2623.5	2641.8	2649.0	2653.1
30°	2565.2	2570.3	2589.7	2595.9	2598.9
32.5°	2501.8	2509.0	2532.5	2536.6	2536.6
35°	2432.3	2441.5	2464.0	2467.1	2465.0
37.5°	2354.7	2364.9	2390.4	2386.4	2383.3
40°	2267.8	2279.0	2304.6	2296.4	2291.3
42.5°	2174.8	2186.0	2208.5	2196.3	2189.1
45°	2072.6	2083.8	2102.2	2084.9	2076.7
47.5°	1962.2	1975.5	1984.7	1965.3	1955.1
50°	1845.7	1849.8	1859.0	1836.5	1825.3
52.5°	1719.0	1719.0	1726.1	1701.6	1688.3
55°	1583.1	1582.0	1575.9	1558.5	1546.3
57.5°	1439.0	1432.8	1428.7	1410.3	1396.0
60°	1284.6	1275.4	1270.3	1255.0	1243.8
62.5°	1123.2	1118.1	1111.9	1099.7	1087.4
65°	957.6	952.5	948.4	939.2	930.0
67.5°	793.1	790.0	790.0	783.9	782.8
70°	634.7	636.7	637.7	637.7	624.4
72.5°	491.6	492.6	497.7	493.6	492.6
75°	363.8	370.0	376.1	373.0	373.0
77.5°	261.6	270.8	270.8	268.8	265.7
80°	176.8	180.9	184.0	182.9	180.9
82.5°	112.4	115.5	112.4	114.5	115.5
85°	58.3	62.3	60.3	61.3	64.4
87.5°	19.4	21.5	22.5	21.5	21.5
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)