

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: P506503

Luminaire Tested: **22PD-80-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506503
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-L835
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

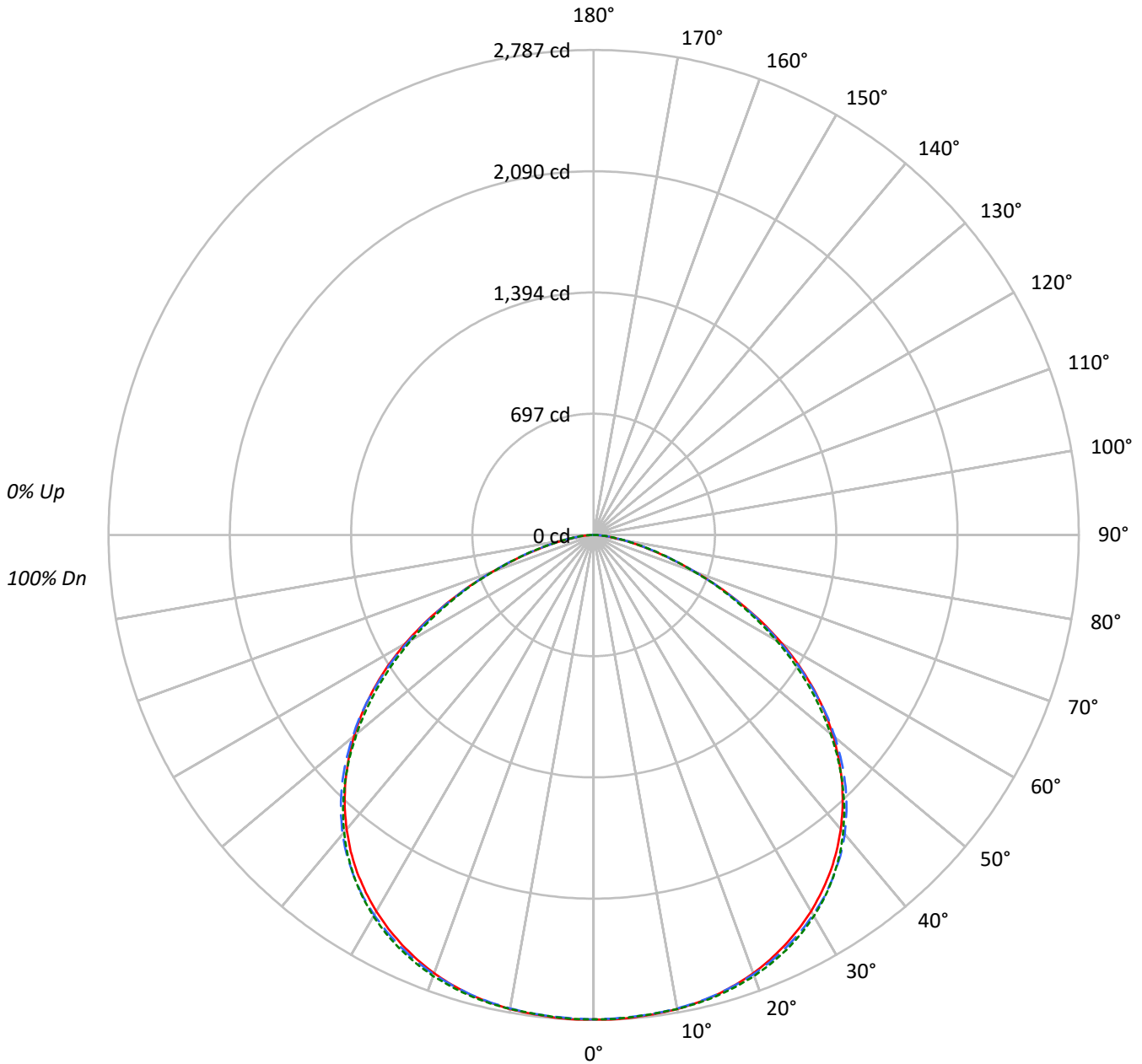
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8047.8 lumens
Efficiency: N/A
Efficacy: 109.6 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

TEST NUMBER: P506503
CATALOG NUMBER: 22PD-80-PW1-L835

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°	7492	7492	7492
5°	7512	7502	7504
10°	7561	7550	7559
15°	7620	7618	7640
20°	7676	7694	7725
25°	7723	7767	7803
30°	7760	7835	7863
35°	7780	7881	7884
40°	7756	7882	7837
45°	7679	7789	7695
50°	7523	7577	7440
55°	7231	7198	7063
60°	6732	6656	6517
65°	5936	5880	5766
70°	4862	4885	4784
75°	3683	3807	3776
80°	2667	2775	2729
85°	1751	1812	1936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.7	3.3
10°-20°	773.2	9.6
20°-30°	1205.5	15.0
30°-40°	1494.1	18.6
40°-50°	1563.4	19.4
50°-60°	1362.4	16.9
60°-70°	912.6	11.3
70°-80°	395.6	4.9
80°-90°	76.2	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°	2243.4	27.9
0°-40°	3737.6	46.4
0°-60°	6663.4	82.8
0°-90°	8047.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8047.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2784	2784	2784	2784	2784	
5°	2781	2778	2777	2776	2778	265
15°	2735	2731	2734	2737	2742	773
25°	2601	2602	2616	2624	2628	1199
35°	2368	2377	2399	2402	2400	1480
45°	2018	2029	2047	2030	2022	1554
55°	1541	1540	1534	1517	1506	1372
65°	932	927	923	914	906	922
75°	354	360	366	363	363	390
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°	2784.1	2784.1	2784.1	2784.1	2784.1
2.5°	2787.1	2782.1	2781.1	2781.1	2784.1
5°	2781.1	2778.1	2777.1	2776.1	2778.1
7.5°	2775.1	2771.2	2772.1	2770.2	2772.1
10°	2767.2	2763.2	2763.2	2763.2	2766.2
12.5°	2753.2	2750.3	2751.3	2753.2	2757.2
15°	2735.3	2731.4	2734.3	2737.3	2742.3
17.5°	2710.5	2707.5	2712.4	2717.4	2721.4
20°	2680.6	2677.6	2686.6	2693.5	2697.5
22.5°	2643.8	2642.8	2654.7	2662.7	2665.7
25°	2601.0	2602.0	2615.9	2623.9	2627.9
27.5°	2552.2	2554.2	2572.1	2579.1	2583.1
30°	2497.5	2502.5	2521.4	2527.4	2530.4
32.5°	2435.8	2442.8	2465.7	2469.7	2469.7
35°	2368.2	2377.1	2399.0	2402.0	2400.0
37.5°	2292.5	2302.5	2327.4	2323.4	2320.4
40°	2208.0	2218.9	2243.8	2235.8	2230.9
42.5°	2117.4	2128.4	2150.3	2138.3	2131.4
45°	2017.9	2028.9	2046.8	2029.9	2021.9
47.5°	1910.5	1923.4	1932.3	1913.4	1903.5
50°	1797.0	1801.0	1810.0	1788.1	1777.1
52.5°	1673.6	1673.6	1680.6	1656.7	1643.8
55°	1541.3	1540.3	1534.3	1517.4	1505.5
57.5°	1401.0	1395.0	1391.0	1373.1	1359.2
60°	1250.8	1241.8	1236.8	1221.9	1210.9
62.5°	1093.5	1088.6	1082.6	1070.7	1058.7
65°	932.3	927.4	923.4	914.4	905.5
67.5°	772.1	769.2	769.2	763.2	762.2
70°	617.9	619.9	620.9	620.9	608.0
72.5°	478.6	479.6	484.6	480.6	479.6
75°	354.2	360.2	366.2	363.2	363.2
77.5°	254.7	263.7	263.7	261.7	258.7
80°	172.1	176.1	179.1	178.1	176.1
82.5°	109.5	112.4	109.5	111.4	112.4
85°	56.7	60.7	58.7	59.7	62.7
87.5°	18.9	20.9	21.9	20.9	20.9
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)