

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: P506152

Luminaire Tested: **14PD-80-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506152
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-L835
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

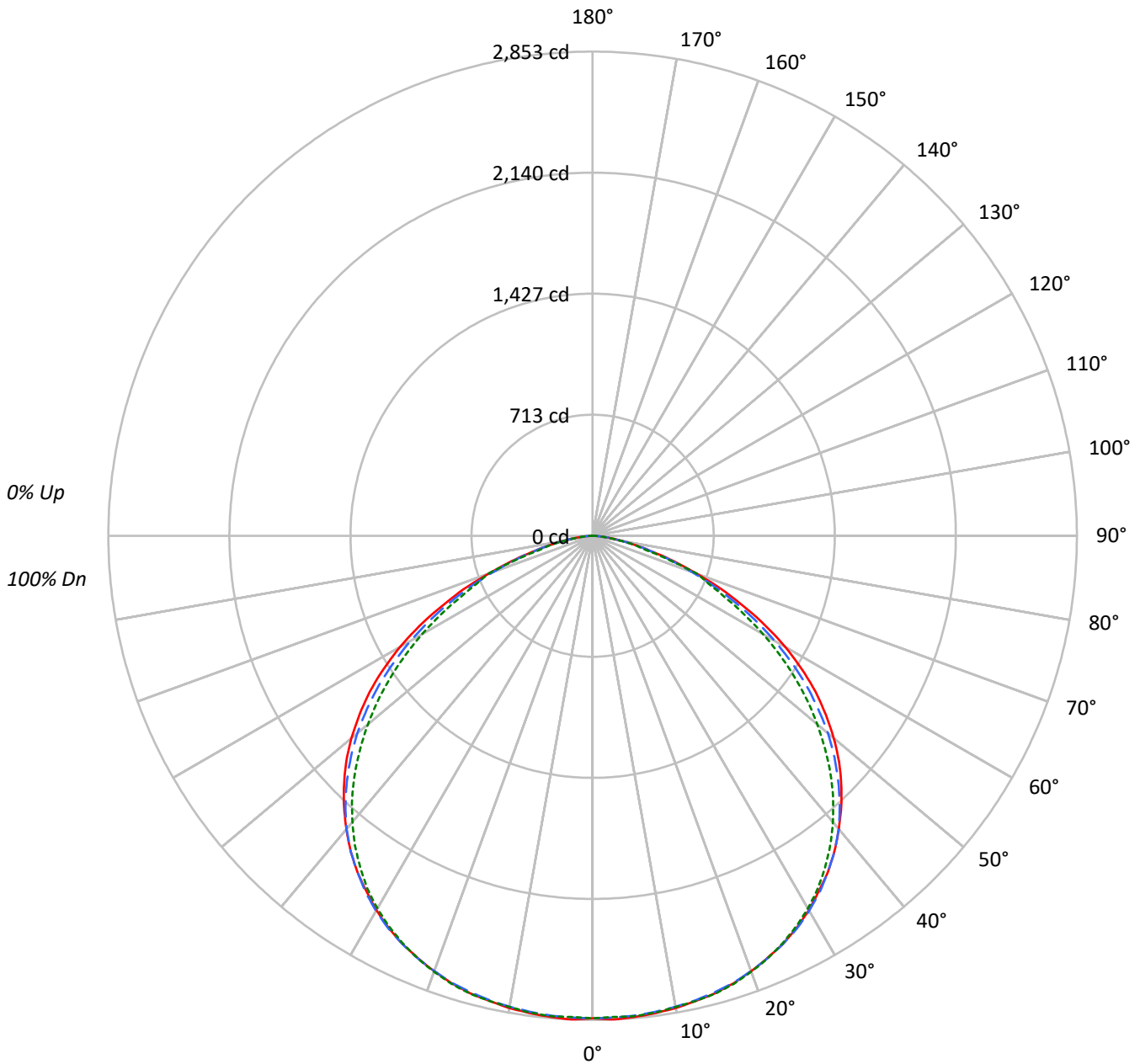
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8097.0 lumens
Efficiency: N/A
Efficacy: 95.9 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°	7651	7651	7651
5°	7689	7667	7676
10°	7720	7699	7703
15°	7773	7755	7782
20°	7820	7815	7829
25°	7878	7878	7864
30°	7915	7930	7880
35°	7941	7941	7840
40°	7927	7921	7735
45°	7884	7792	7541
50°	7765	7576	7233
55°	7525	7209	6816
60°	7049	6660	6245
65°	6243	5884	5496
70°	5096	4869	5134
75°	3843	3776	3393
80°	2765	2590	2590
85°	1738	1636	1439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.3	3.3
10°-20°	787.0	9.7
20°-30°	1221.7	15.1
30°-40°	1504.8	18.6
40°-50°	1566.6	19.3
50°-60°	1362.4	16.8
60°-70°	915.3	11.3
70°-80°	396.2	4.9
80°-90°	72.7	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°	2279.1	28.1
0°-40°	3783.9	46.7
0°-60°	6712.8	82.9
0°-90°	8097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8097.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2843	2843	2843	2843	2843	
5°	2846	2829	2838	2845	2842	271
15°	2790	2771	2784	2793	2793	788
25°	2653	2641	2653	2653	2649	1223
35°	2417	2411	2417	2396	2387	1511
45°	2072	2065	2048	2001	1982	1596
55°	1604	1575	1536	1475	1453	1426
65°	980	963	924	881	863	971
75°	370	373	363	371	326	407
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°	2843.1	2843.1	2843.1	2843.1	2843.1
2.5°	2852.7	2835.1	2841.5	2851.1	2838.3
5°	2846.3	2828.6	2838.3	2844.7	2841.5
7.5°	2836.7	2823.8	2828.6	2835.1	2833.4
10°	2825.4	2812.6	2817.4	2823.8	2819.0
12.5°	2807.7	2793.3	2802.9	2809.3	2807.7
15°	2790.1	2770.8	2783.6	2793.3	2793.3
17.5°	2764.3	2748.3	2761.1	2769.2	2767.6
20°	2730.6	2719.3	2729.0	2735.4	2733.8
22.5°	2692.0	2684.0	2695.2	2695.2	2695.2
25°	2653.4	2640.6	2653.4	2653.4	2648.6
27.5°	2603.6	2592.4	2608.4	2603.6	2595.6
30°	2547.4	2540.9	2552.2	2544.2	2536.1
32.5°	2481.5	2478.3	2489.5	2473.4	2467.0
35°	2417.2	2410.8	2417.2	2396.3	2386.7
37.5°	2341.7	2335.2	2341.7	2314.3	2299.9
40°	2256.5	2251.7	2254.9	2219.5	2201.8
42.5°	2168.1	2163.3	2155.2	2111.8	2097.4
45°	2071.6	2065.2	2047.5	2000.9	1981.6
47.5°	1968.8	1957.5	1931.8	1882.0	1856.3
50°	1854.7	1838.6	1809.7	1755.0	1727.7
52.5°	1730.9	1711.6	1674.7	1620.0	1594.3
55°	1604.0	1575.0	1536.5	1475.4	1452.9
57.5°	1459.3	1428.8	1388.6	1332.3	1306.6
60°	1309.8	1279.3	1237.5	1186.1	1160.4
62.5°	1150.7	1123.4	1081.6	1033.4	1010.9
65°	980.4	962.7	924.1	880.7	863.1
67.5°	819.7	802.0	769.8	732.9	739.3
70°	647.7	646.1	618.8	593.0	652.5
72.5°	504.7	501.4	487.0	474.1	470.9
75°	369.6	372.9	363.2	371.3	326.3
77.5°	260.4	263.6	262.0	239.5	250.7
80°	178.4	178.4	167.1	159.1	167.1
82.5°	107.7	128.6	115.7	94.8	91.6
85°	56.3	57.9	53.0	46.6	46.6
87.5°	20.9	24.1	20.9	19.3	17.7
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)