

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: P506485

Luminaire Tested: **22PD-80-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-80-PL1-L835
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

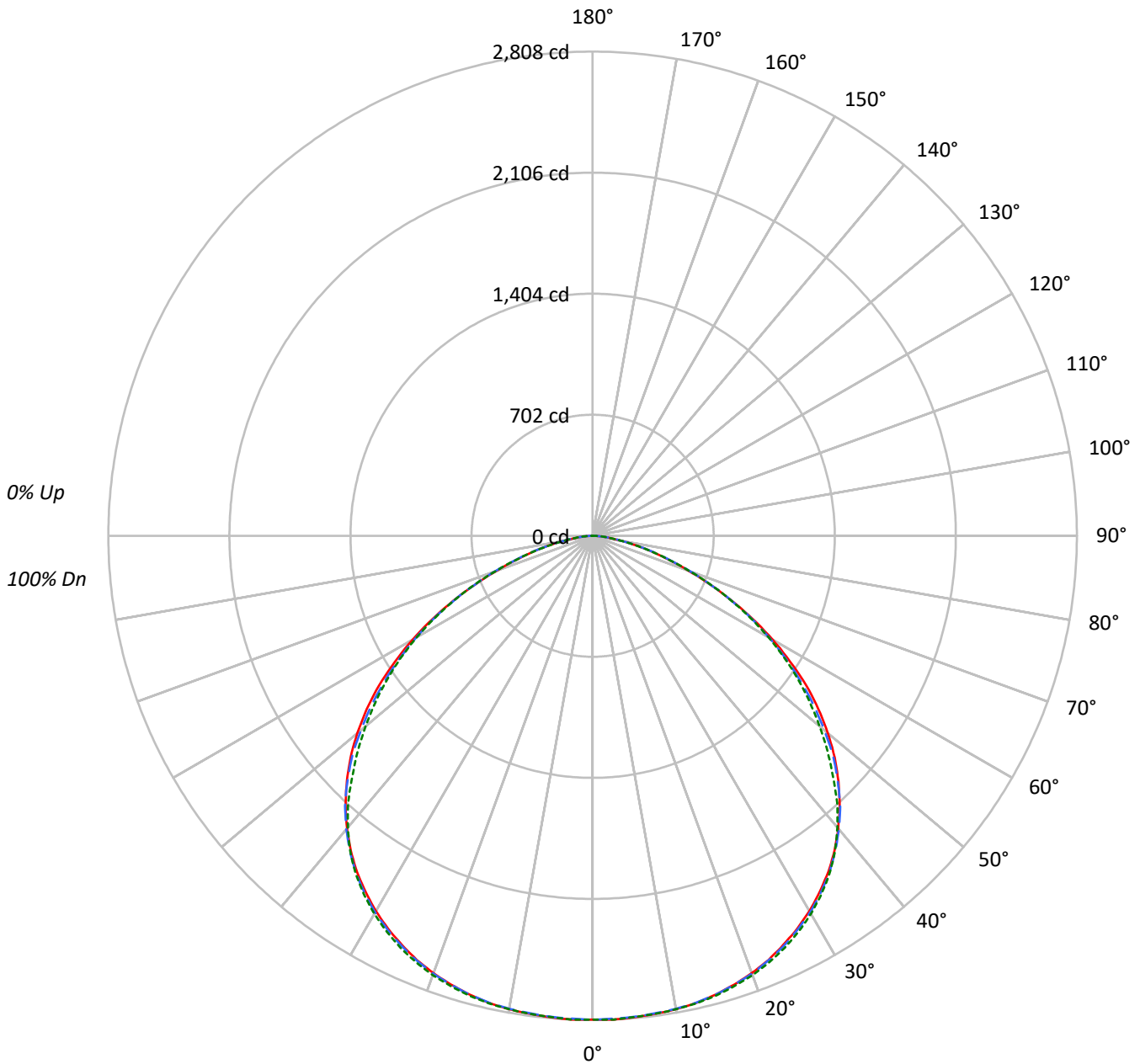
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7948.5 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
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: P506485
CATALOG NUMBER: 22PD-80-PL1-L835

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	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7551	7551	7551
5°	7572	7564	7567
10°	7619	7611	7619
15°	7675	7675	7691
20°	7731	7739	7765
25°	7772	7789	7828
30°	7811	7835	7866
35°	7823	7849	7865
40°	7782	7803	7754
45°	7671	7649	7494
50°	7454	7338	7189
55°	7093	6912	6833
60°	6493	6371	6333
65°	5663	5650	5631
70°	4641	4719	4703
75°	3677	3740	3677
80°	2695	2679	2664
85°	1800	1769	1893



TEST NUMBER: P506485

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.8	3.4
10°-20°	778.6	9.8
20°-30°	1210.3	15.2
30°-40°	1492.0	18.8
40°-50°	1541.1	19.4
50°-60°	1318.7	16.6
60°-70°	880.1	11.1
70°-80°	386.2	4.9
80°-90°	74.7	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°	2255.7	28.4
0°-40°	3747.7	47.2
0°-60°	6607.5	83.1
0°-90°	7948.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7948.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2806	2806	2806	2806	2806	
5°	2803	2799	2800	2798	2801	267
15°	2755	2752	2755	2757	2761	778
25°	2618	2618	2623	2631	2636	1207
35°	2381	2381	2389	2394	2394	1488
45°	2016	2015	2010	1991	1969	1552
55°	1512	1493	1473	1465	1456	1344
65°	889	887	887	890	884	882
75°	354	351	360	358	354	383
85°	58	57	57	59	61	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2806.2	2806.2	2806.2	2806.2	2806.2
2.5°	2808.2	2804.2	2803.2	2803.2	2808.2
5°	2803.2	2799.3	2800.3	2798.3	2801.3
7.5°	2796.3	2792.4	2793.4	2792.4	2796.3
10°	2788.4	2784.5	2785.5	2784.5	2788.4
12.5°	2774.6	2771.6	2773.6	2774.6	2777.6
15°	2754.8	2751.9	2754.8	2756.8	2760.8
17.5°	2729.1	2727.2	2730.1	2733.1	2738.0
20°	2699.5	2697.5	2702.5	2705.4	2711.4
22.5°	2662.9	2661.0	2665.9	2672.8	2676.8
25°	2617.5	2617.5	2623.4	2631.3	2636.3
27.5°	2569.1	2568.1	2575.0	2582.9	2587.8
30°	2513.7	2511.8	2521.6	2528.6	2531.5
32.5°	2449.5	2450.5	2459.4	2466.3	2467.3
35°	2381.3	2381.3	2389.2	2394.2	2394.2
37.5°	2303.3	2302.3	2310.2	2312.2	2309.2
40°	2215.3	2216.3	2221.3	2220.3	2207.4
42.5°	2120.5	2121.5	2125.4	2111.6	2098.7
45°	2015.7	2014.7	2009.8	1991.0	1969.3
47.5°	1904.1	1899.1	1891.2	1862.6	1846.8
50°	1780.6	1772.7	1752.9	1730.2	1717.3
52.5°	1650.1	1636.3	1616.5	1598.8	1587.9
55°	1511.8	1493.0	1473.3	1465.4	1456.5
57.5°	1357.7	1345.8	1329.0	1325.0	1319.1
60°	1206.5	1193.6	1183.7	1183.7	1176.8
62.5°	1048.4	1040.5	1036.5	1038.5	1031.6
65°	889.3	887.3	887.3	890.3	884.4
67.5°	735.1	739.1	738.1	748.0	740.1
70°	589.9	596.8	599.8	609.7	597.8
72.5°	464.4	465.4	469.3	472.3	466.4
75°	353.7	350.8	359.7	357.7	353.7
77.5°	255.9	253.9	256.9	258.9	253.9
80°	173.9	171.9	172.9	175.9	171.9
82.5°	109.7	107.7	107.7	110.7	109.7
85°	58.3	57.3	57.3	59.3	61.3
87.5°	20.8	19.8	20.8	20.8	20.8
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)