

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: P506494

Luminaire Tested: **22PD-80-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-80-PR1-L835
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

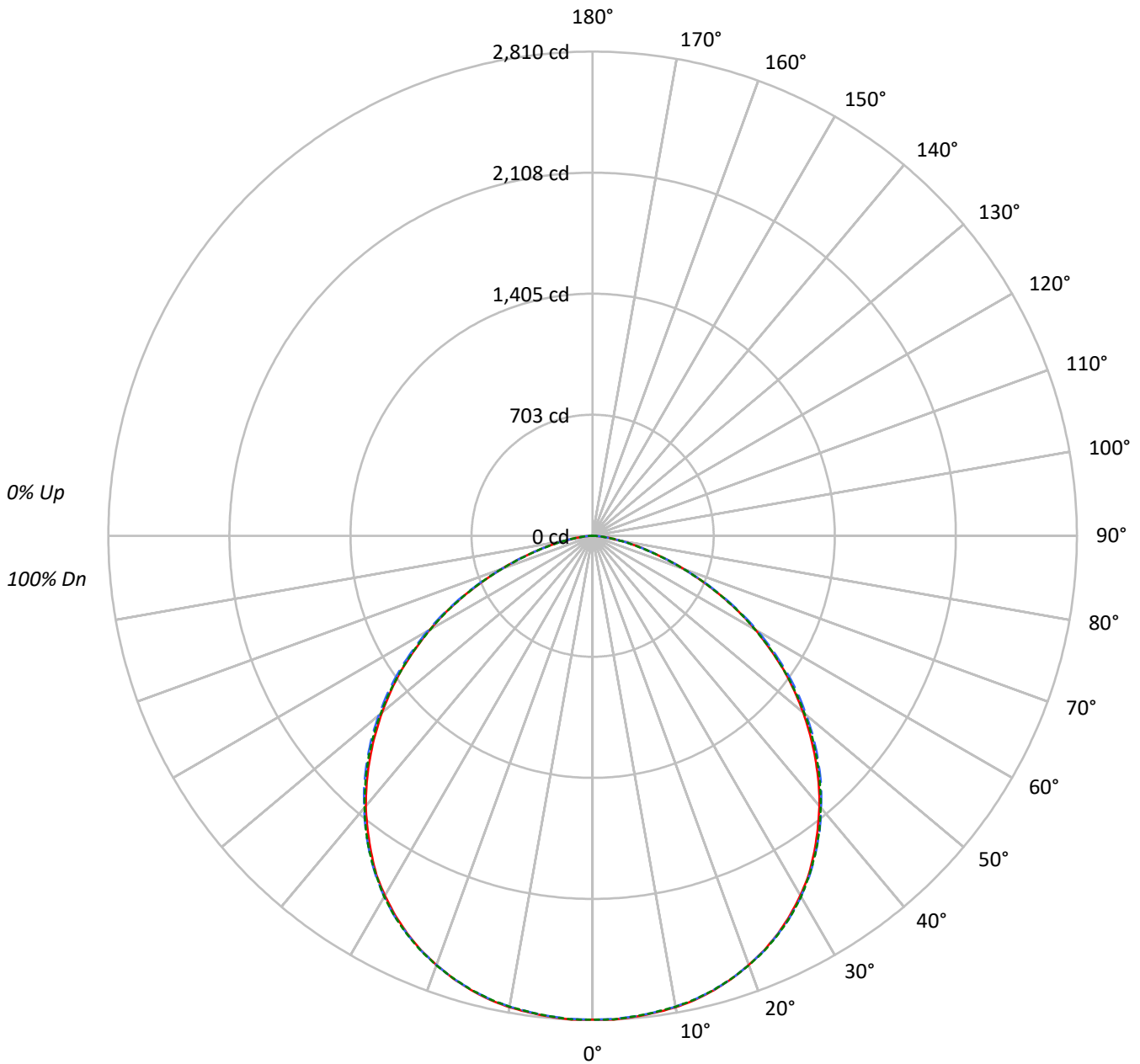
Lumens per Lamp: N/A
Luminaire Lumens: 7505.0 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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									
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	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7558	7558	7558
5°	7569	7564	7564
10°	7593	7582	7582
15°	7602	7594	7597
20°	7592	7589	7594
25°	7559	7568	7573
30°	7491	7514	7517
35°	7364	7405	7402
40°	7193	7242	7232
45°	6957	7046	7010
50°	6674	6777	6722
55°	6336	6436	6344
60°	5874	5955	5853
65°	5240	5294	5234
70°	4408	4408	4378
75°	3454	3454	3414
80°	2531	2501	2487
85°	1652	1652	1680



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.4	3.6
10°-20°	769.7	10.3
20°-30°	1174.0	15.6
30°-40°	1407.0	18.7
40°-50°	1421.0	18.9
50°-60°	1215.8	16.2
60°-70°	819.9	10.9
70°-80°	361.7	4.8
80°-90°	69.4	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°	2210.1	29.4
0°-40°	3617.2	48.2
0°-60°	6254.0	83.3
0°-90°	7505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2809	2809	2809	2809	2809	
5°	2802	2798	2800	2798	2800	267
15°	2729	2728	2726	2725	2727	770
25°	2546	2549	2549	2549	2551	1173
35°	2242	2255	2254	2252	2253	1401
45°	1828	1842	1852	1849	1842	1409
55°	1350	1363	1372	1370	1352	1203
65°	823	830	831	830	822	813
75°	332	333	332	333	328	362
85°	54	54	54	54	54	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2808.6	2808.6	2808.6	2808.6	2808.6
2.5°	2810.5	2806.7	2805.8	2804.9	2808.6
5°	2802.1	2798.3	2800.2	2798.3	2800.2
7.5°	2791.7	2788.0	2788.9	2787.0	2788.9
10°	2778.6	2774.8	2774.8	2773.0	2774.8
12.5°	2758.0	2755.1	2754.2	2752.3	2755.1
15°	2728.9	2727.9	2726.0	2725.1	2727.0
17.5°	2693.2	2691.3	2693.2	2690.4	2692.3
20°	2651.0	2651.9	2650.0	2651.0	2651.9
22.5°	2603.1	2603.1	2604.1	2604.1	2605.9
25°	2545.9	2548.7	2548.7	2548.7	2550.6
27.5°	2482.1	2485.8	2488.6	2486.8	2488.6
30°	2410.7	2417.3	2418.3	2417.3	2419.2
32.5°	2333.8	2338.5	2341.3	2339.4	2337.5
35°	2241.8	2255.0	2254.0	2252.2	2253.1
37.5°	2145.2	2158.3	2163.0	2159.3	2160.2
40°	2047.6	2058.8	2061.7	2062.6	2058.8
42.5°	1939.7	1952.8	1963.1	1958.4	1952.8
45°	1828.0	1842.1	1851.5	1848.6	1842.1
47.5°	1712.6	1725.7	1738.9	1734.2	1727.6
50°	1594.3	1607.5	1618.7	1616.9	1605.6
52.5°	1473.3	1488.3	1498.6	1494.9	1479.9
55°	1350.4	1362.6	1371.9	1370.1	1352.2
57.5°	1217.1	1233.1	1237.7	1234.9	1221.8
60°	1091.4	1101.7	1106.4	1102.6	1087.6
62.5°	957.2	965.6	969.4	968.4	958.1
65°	823.0	829.5	831.4	829.5	822.0
67.5°	685.0	694.4	695.4	695.4	687.8
70°	560.2	563.0	560.2	567.7	556.5
72.5°	439.2	441.0	439.2	439.2	434.5
75°	332.2	333.1	332.2	333.1	328.4
77.5°	240.2	242.1	238.4	241.2	236.5
80°	163.3	163.3	161.4	162.3	160.5
82.5°	101.3	103.2	100.4	100.4	99.5
85°	53.5	53.5	53.5	54.4	54.4
87.5°	18.8	18.8	19.7	19.7	18.8
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)