

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: P506170

Luminaire Tested: **22PD-20-PR1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506170  
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-20-PR1-L835  
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

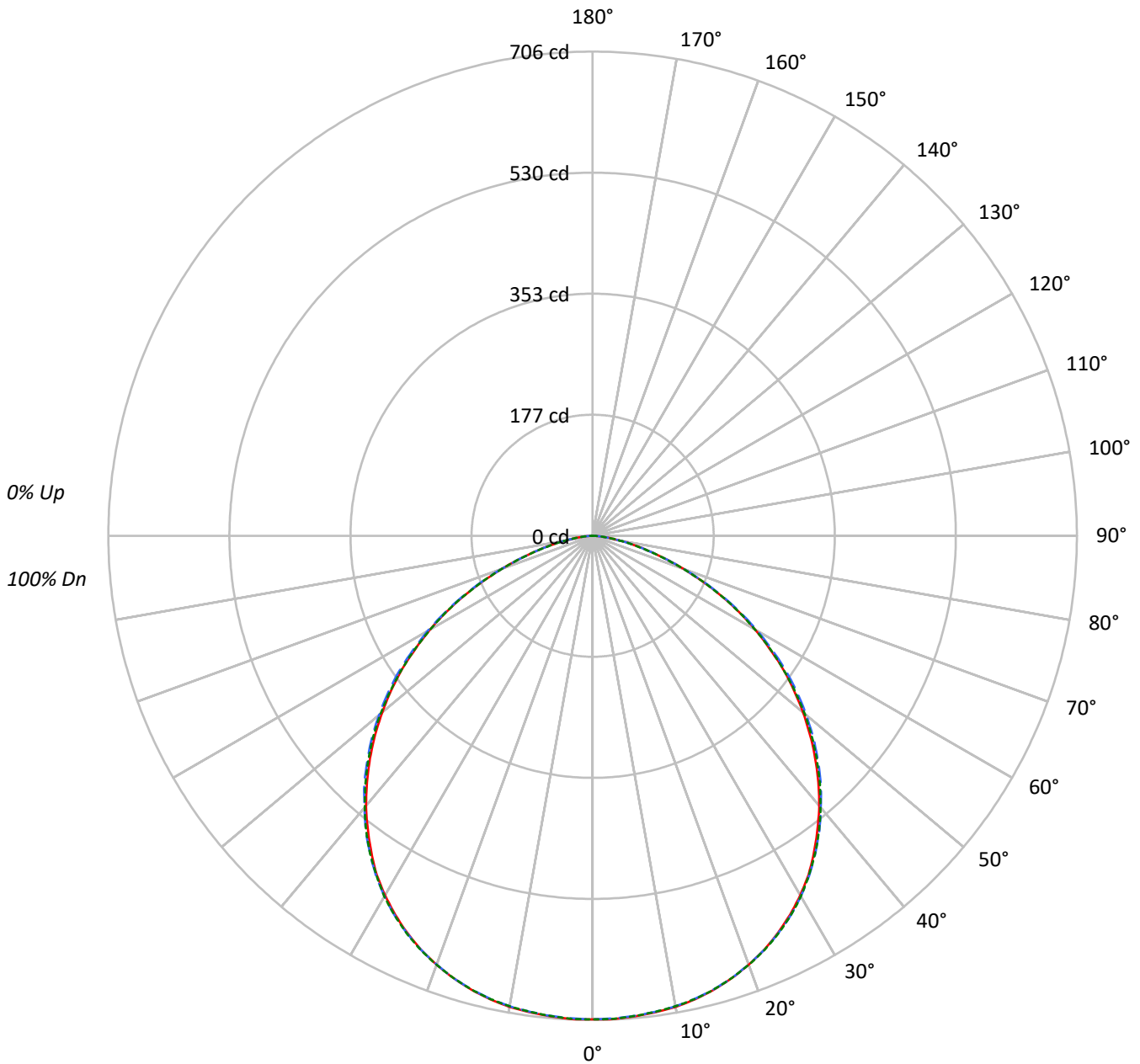
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1884.0 lumens  
Efficiency: N/A  
Efficacy: 117.0 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): 16.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85				85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72				72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61				61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53				53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46				46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40				40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36				36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32				32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29				29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26				26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1897	1897	1897
5°	1900	1899	1899
10°	1906	1903	1903
15°	1908	1906	1907
20°	1906	1905	1906
25°	1898	1900	1901
30°	1881	1886	1887
35°	1849	1859	1858
40°	1806	1818	1815
45°	1746	1769	1760
50°	1675	1701	1688
55°	1590	1616	1593
60°	1475	1495	1469
65°	1316	1329	1314
70°	1106	1106	1099
75°	867	867	857
80°	635	628	625
85°	414	414	423



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.9	3.6
10°-20°	193.2	10.3
20°-30°	294.7	15.6
30°-40°	353.2	18.7
40°-50°	356.7	18.9
50°-60°	305.2	16.2
60°-70°	205.8	10.9
70°-80°	90.8	4.8
80°-90°	17.4	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°	554.8	29.4
0°-40°	908.0	48.2
0°-60°	1569.9	83.3
0°-90°	1884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1884.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	705	705	705	705	705	
5°	703	702	703	702	703	67
15°	685	685	684	684	685	193
25°	639	640	640	640	640	294
35°	563	566	566	565	566	352
45°	459	462	465	464	462	354
55°	339	342	344	344	340	302
65°	207	208	209	208	206	204
75°	83	84	83	84	82	91
85°	13	13	13	14	14	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	705.1	705.1	705.1	705.1	705.1
2.5°	705.5	704.6	704.3	704.1	705.1
5°	703.4	702.5	702.9	702.5	702.9
7.5°	700.8	699.9	700.1	699.6	700.1
10°	697.5	696.6	696.6	696.1	696.6
12.5°	692.3	691.6	691.4	690.9	691.6
15°	685.0	684.8	684.3	684.1	684.6
17.5°	676.1	675.6	676.1	675.4	675.8
20°	665.5	665.7	665.2	665.5	665.7
22.5°	653.5	653.5	653.7	653.7	654.2
25°	639.1	639.8	639.8	639.8	640.3
27.5°	623.1	624.0	624.7	624.3	624.7
30°	605.2	606.8	607.1	606.8	607.3
32.5°	585.9	587.0	587.7	587.3	586.8
35°	562.8	566.1	565.8	565.4	565.6
37.5°	538.5	541.8	543.0	542.0	542.3
40°	514.0	516.8	517.5	517.8	516.8
42.5°	486.9	490.2	492.8	491.6	490.2
45°	458.9	462.4	464.8	464.1	462.4
47.5°	429.9	433.2	436.5	435.3	433.7
50°	400.2	403.5	406.4	405.9	403.1
52.5°	369.8	373.6	376.2	375.3	371.5
55°	339.0	342.0	344.4	343.9	339.5
57.5°	305.5	309.5	310.7	310.0	306.7
60°	274.0	276.6	277.7	276.8	273.0
62.5°	240.3	242.4	243.3	243.1	240.5
65°	206.6	208.2	208.7	208.2	206.4
67.5°	172.0	174.3	174.6	174.6	172.7
70°	140.6	141.3	140.6	142.5	139.7
72.5°	110.2	110.7	110.2	110.2	109.1
75°	83.4	83.6	83.4	83.6	82.4
77.5°	60.3	60.8	59.8	60.5	59.4
80°	41.0	41.0	40.5	40.8	40.3
82.5°	25.4	25.9	25.2	25.2	25.0
85°	13.4	13.4	13.4	13.7	13.7
87.5°	4.7	4.7	4.9	4.9	4.7
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)