

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: P506172

Luminaire Tested: **22PD-20-PR1-L850**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506172  
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-L850  
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

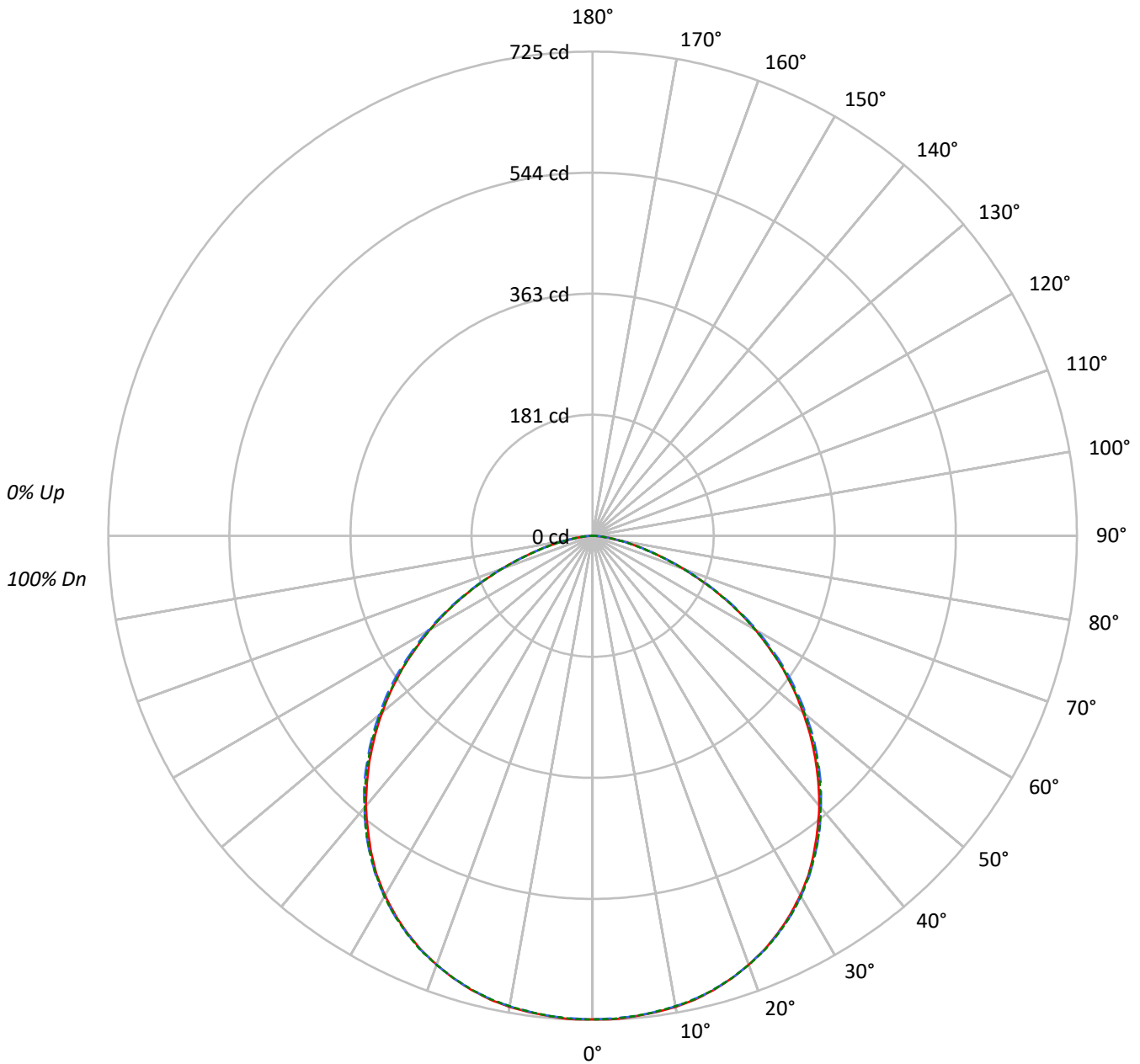
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1935.0 lumens  
Efficiency: N/A  
Efficacy: 120.2 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): 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				
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	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°	1949	1949	1949
5°	1951	1950	1950
10°	1958	1955	1955
15°	1960	1958	1959
20°	1957	1957	1958
25°	1949	1951	1953
30°	1931	1937	1938
35°	1899	1909	1908
40°	1854	1867	1865
45°	1794	1817	1807
50°	1721	1747	1733
55°	1634	1659	1635
60°	1514	1535	1509
65°	1351	1365	1349
70°	1136	1136	1129
75°	890	890	881
80°	652	645	642
85°	426	426	432



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.7	3.6
10°-20°	198.4	10.3
20°-30°	302.7	15.6
30°-40°	362.8	18.7
40°-50°	366.4	18.9
50°-60°	313.5	16.2
60°-70°	211.4	10.9
70°-80°	93.3	4.8
80°-90°	17.9	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°	569.8	29.4
0°-40°	932.6	48.2
0°-60°	1612.5	83.3
0°-90°	1935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1935.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	724	724	724	724	724	
5°	722	722	722	722	722	69
15°	704	703	703	703	703	199
25°	656	657	657	657	658	302
35°	578	581	581	581	581	361
45°	471	475	477	477	475	363
55°	348	351	354	353	349	310
65°	212	214	214	214	212	210
75°	86	86	86	86	85	93
85°	14	14	14	14	14	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	724.1	724.1	724.1	724.1	724.1
2.5°	724.6	723.7	723.4	723.2	724.1
5°	722.4	721.5	722.0	721.5	722.0
7.5°	719.8	718.8	719.1	718.6	719.1
10°	716.4	715.4	715.4	714.9	715.4
12.5°	711.1	710.4	710.1	709.6	710.4
15°	703.6	703.3	702.9	702.6	703.1
17.5°	694.4	693.9	694.4	693.7	694.1
20°	683.5	683.7	683.3	683.5	683.7
22.5°	671.2	671.2	671.4	671.4	671.9
25°	656.4	657.1	657.1	657.1	657.6
27.5°	639.9	640.9	641.6	641.2	641.6
30°	621.6	623.3	623.5	623.3	623.7
32.5°	601.7	602.9	603.7	603.2	602.7
35°	578.0	581.4	581.2	580.7	580.9
37.5°	553.1	556.5	557.7	556.7	557.0
40°	527.9	530.8	531.6	531.8	530.8
42.5°	500.1	503.5	506.1	504.9	503.5
45°	471.3	474.9	477.4	476.6	474.9
47.5°	441.6	444.9	448.3	447.1	445.4
50°	411.1	414.5	417.4	416.9	414.0
52.5°	379.9	383.7	386.4	385.4	381.5
55°	348.2	351.3	353.7	353.2	348.6
57.5°	313.8	317.9	319.1	318.4	315.0
60°	281.4	284.0	285.3	284.3	280.4
62.5°	246.8	249.0	249.9	249.7	247.0
65°	212.2	213.9	214.4	213.9	211.9
67.5°	176.6	179.0	179.3	179.3	177.3
70°	144.4	145.2	144.4	146.4	143.5
72.5°	113.2	113.7	113.2	113.2	112.0
75°	85.6	85.9	85.6	85.9	84.7
77.5°	61.9	62.4	61.5	62.2	61.0
80°	42.1	42.1	41.6	41.9	41.4
82.5°	26.1	26.6	25.9	25.9	25.6
85°	13.8	13.8	13.8	14.0	14.0
87.5°	4.8	4.8	5.1	5.1	4.8
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)