

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: P506175

Luminaire Tested: **22PD-20-PR1-L935**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506175  
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-L935  
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

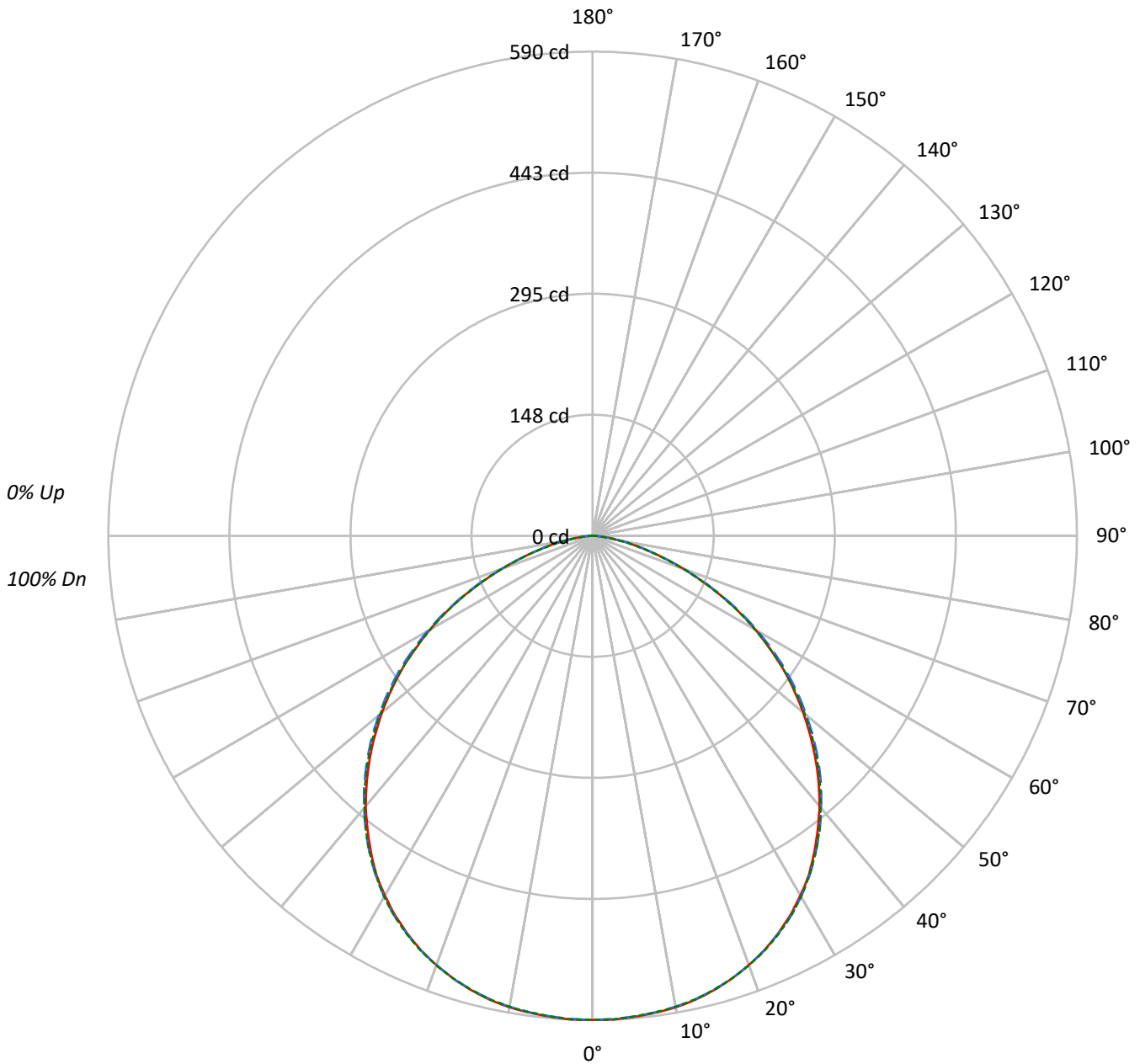
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1576.0 lumens  
Efficiency: N/A  
Efficacy: 97.9 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

TEST NUMBER: P506175

CATALOG NUMBER: 22PD-20-PR1-L935

### 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			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°	1587	1587	1587
5°	1589	1588	1588
10°	1594	1592	1592
15°	1596	1595	1595
20°	1594	1594	1595
25°	1587	1589	1590
30°	1573	1578	1578
35°	1547	1555	1554
40°	1511	1521	1519
45°	1461	1480	1472
50°	1402	1423	1412
55°	1331	1352	1332
60°	1234	1250	1229
65°	1100	1112	1099
70°	925	925	920
75°	726	726	717
80°	532	525	522
85°	346	346	352



TEST NUMBER: P506175

CATALOG NUMBER: 22PD-20-PR1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.0	3.6
10°-20°	161.6	10.3
20°-30°	246.5	15.6
30°-40°	295.5	18.7
40°-50°	298.4	18.9
50°-60°	255.3	16.2
60°-70°	172.2	10.9
70°-80°	76.0	4.8
80°-90°	14.6	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°	464.1	29.4
0°-40°	759.6	48.2
0°-60°	1313.3	83.3
0°-90°	1576.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1576.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	590	590	590	590	590	
5°	588	588	588	588	588	56
15°	573	573	572	572	573	162
25°	535	535	535	535	536	246
35°	471	474	473	473	473	294
45°	384	387	389	388	387	296
55°	284	286	288	288	284	253
65°	173	174	175	174	173	171
75°	70	70	70	70	69	76
85°	11	11	11	11	11	15
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	589.8	589.8	589.8	589.8	589.8
2.5°	590.2	589.4	589.2	589.0	589.8
5°	588.4	587.6	588.0	587.6	588.0
7.5°	586.2	585.5	585.7	585.3	585.7
10°	583.5	582.7	582.7	582.3	582.7
12.5°	579.2	578.6	578.4	578.0	578.6
15°	573.0	572.8	572.5	572.3	572.6
17.5°	565.6	565.2	565.6	565.0	565.4
20°	556.7	556.9	556.5	556.7	556.9
22.5°	546.6	546.6	546.8	546.8	547.2
25°	534.6	535.2	535.2	535.2	535.6
27.5°	521.2	522.0	522.6	522.2	522.6
30°	506.2	507.6	507.8	507.6	508.0
32.5°	490.1	491.1	491.7	491.3	490.9
35°	470.8	473.5	473.3	472.9	473.1
37.5°	450.5	453.2	454.2	453.4	453.6
40°	430.0	432.3	432.9	433.1	432.3
42.5°	407.3	410.1	412.2	411.3	410.1
45°	383.9	386.8	388.8	388.2	386.8
47.5°	359.6	362.4	365.1	364.2	362.8
50°	334.8	337.6	339.9	339.5	337.2
52.5°	309.4	312.5	314.7	313.9	310.8
55°	283.6	286.1	288.1	287.7	284.0
57.5°	255.6	258.9	259.9	259.3	256.6
60°	229.2	231.3	232.3	231.5	228.4
62.5°	201.0	202.8	203.6	203.4	201.2
65°	172.8	174.2	174.6	174.2	172.6
67.5°	143.9	145.8	146.0	146.0	144.4
70°	117.6	118.2	117.6	119.2	116.9
72.5°	92.2	92.6	92.2	92.2	91.2
75°	69.8	70.0	69.8	70.0	69.0
77.5°	50.4	50.8	50.1	50.6	49.7
80°	34.3	34.3	33.9	34.1	33.7
82.5°	21.3	21.7	21.1	21.1	20.9
85°	11.2	11.2	11.2	11.4	11.4
87.5°	3.9	3.9	4.1	4.1	3.9
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)