

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: P506168

Luminaire Tested: **22PD-20-PL1-L950**

Issue Date: 3/26/2021



**Test Information**

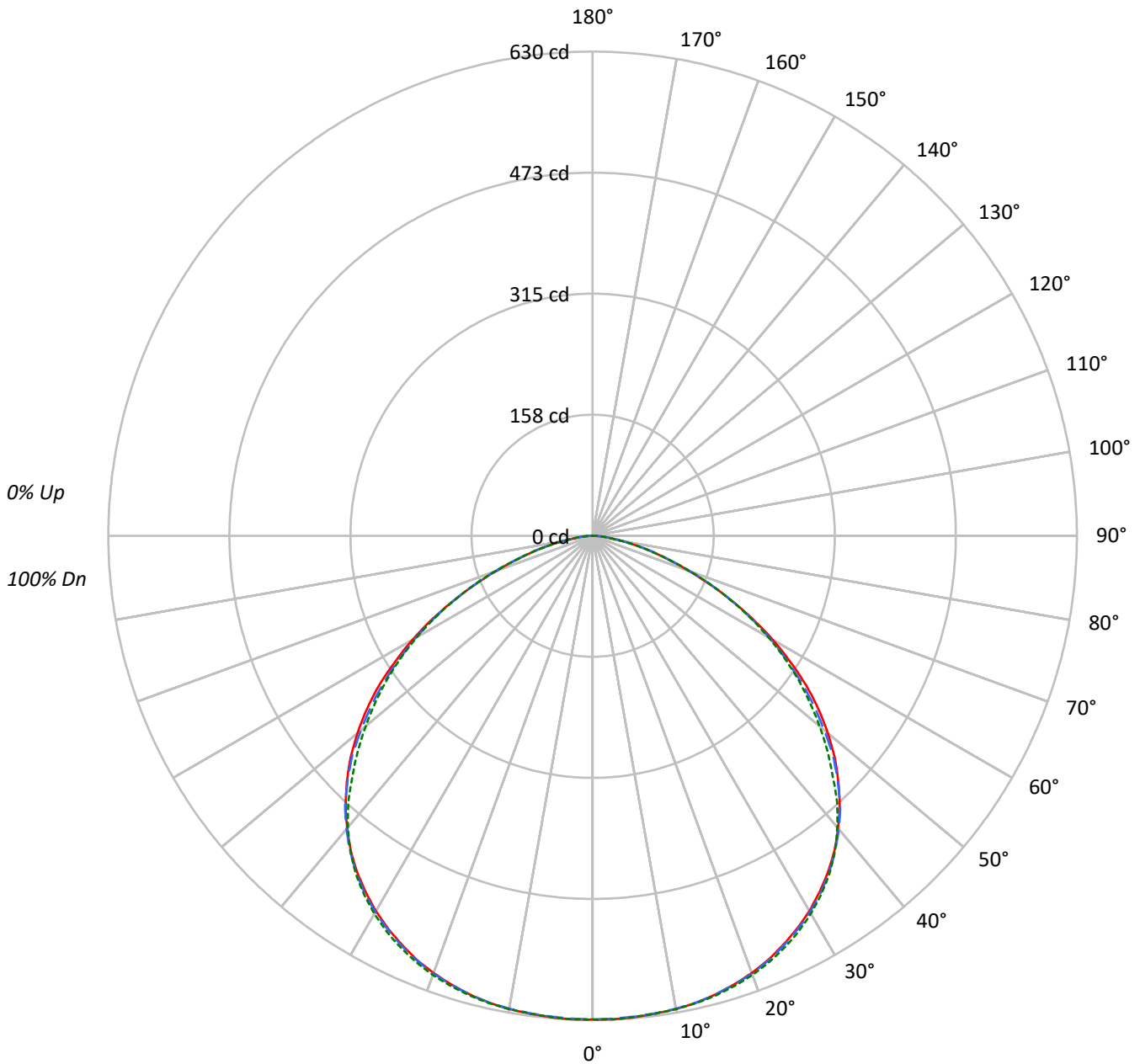
Test Method: LM-79-08  
Report Number: P506168  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-20-PL1-L950  
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1782.7 lumens  
Efficiency: N/A  
Efficacy: 110.7 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): 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	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°	1694	1694	1694
5°	1698	1696	1697
10°	1709	1707	1709
15°	1721	1721	1725
20°	1734	1736	1741
25°	1743	1747	1755
30°	1752	1757	1764
35°	1755	1760	1764
40°	1745	1750	1739
45°	1721	1715	1681
50°	1672	1646	1613
55°	1591	1550	1532
60°	1456	1429	1420
65°	1270	1267	1263
70°	1041	1058	1055
75°	824	839	824
80°	604	601	598
85°	404	398	423



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.8	3.4
10°-20°	174.6	9.8
20°-30°	271.4	15.2
30°-40°	334.6	18.8
40°-50°	345.6	19.4
50°-60°	295.7	16.6
60°-70°	197.4	11.1
70°-80°	86.6	4.9
80°-90°	16.8	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°	505.9	28.4
0°-40°	840.5	47.1
0°-60°	1481.9	83.1
0°-90°	1782.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1782.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	629	629	629	629	629	
5°	629	628	628	628	628	60
15°	618	617	618	618	619	175
25°	587	587	588	590	591	271
35°	534	534	536	537	537	334
45°	452	452	451	446	442	348
55°	339	335	330	329	327	301
65°	199	199	199	200	198	198
75°	79	79	81	80	79	86
85°	13	13	13	13	14	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	629.4	629.4	629.4	629.4	629.4
2.5°	629.8	628.9	628.7	628.7	629.8
5°	628.7	627.8	628.0	627.6	628.3
7.5°	627.1	626.3	626.5	626.3	627.1
10°	625.4	624.5	624.7	624.5	625.4
12.5°	622.3	621.6	622.1	622.3	622.9
15°	617.8	617.2	617.8	618.3	619.2
17.5°	612.1	611.6	612.3	613.0	614.1
20°	605.4	605.0	606.1	606.8	608.1
22.5°	597.2	596.8	597.9	599.4	600.3
25°	587.0	587.0	588.4	590.1	591.2
27.5°	576.2	576.0	577.5	579.3	580.4
30°	563.8	563.3	565.5	567.1	567.8
32.5°	549.4	549.6	551.6	553.1	553.4
35°	534.1	534.1	535.8	537.0	537.0
37.5°	516.6	516.3	518.1	518.6	517.9
40°	496.8	497.1	498.2	498.0	495.1
42.5°	475.6	475.8	476.7	473.6	470.7
45°	452.1	451.9	450.7	446.5	441.7
47.5°	427.0	425.9	424.2	417.7	414.2
50°	399.3	397.6	393.1	388.0	385.2
52.5°	370.1	367.0	362.5	358.6	356.1
55°	339.1	334.8	330.4	328.6	326.6
57.5°	304.5	301.8	298.1	297.2	295.8
60°	270.6	267.7	265.5	265.5	263.9
62.5°	235.1	233.4	232.5	232.9	231.4
65°	199.4	199.0	199.0	199.7	198.3
67.5°	164.9	165.8	165.5	167.8	166.0
70°	132.3	133.9	134.5	136.7	134.1
72.5°	104.2	104.4	105.3	105.9	104.6
75°	79.3	78.7	80.7	80.2	79.3
77.5°	57.4	57.0	57.6	58.1	57.0
80°	39.0	38.6	38.8	39.4	38.6
82.5°	24.6	24.2	24.2	24.8	24.6
85°	13.1	12.9	12.9	13.3	13.7
87.5°	4.7	4.4	4.7	4.7	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)