

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: P738262

Luminaire Tested: **22PT-50-PR1-L950**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738262  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-50-PR1-L950  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

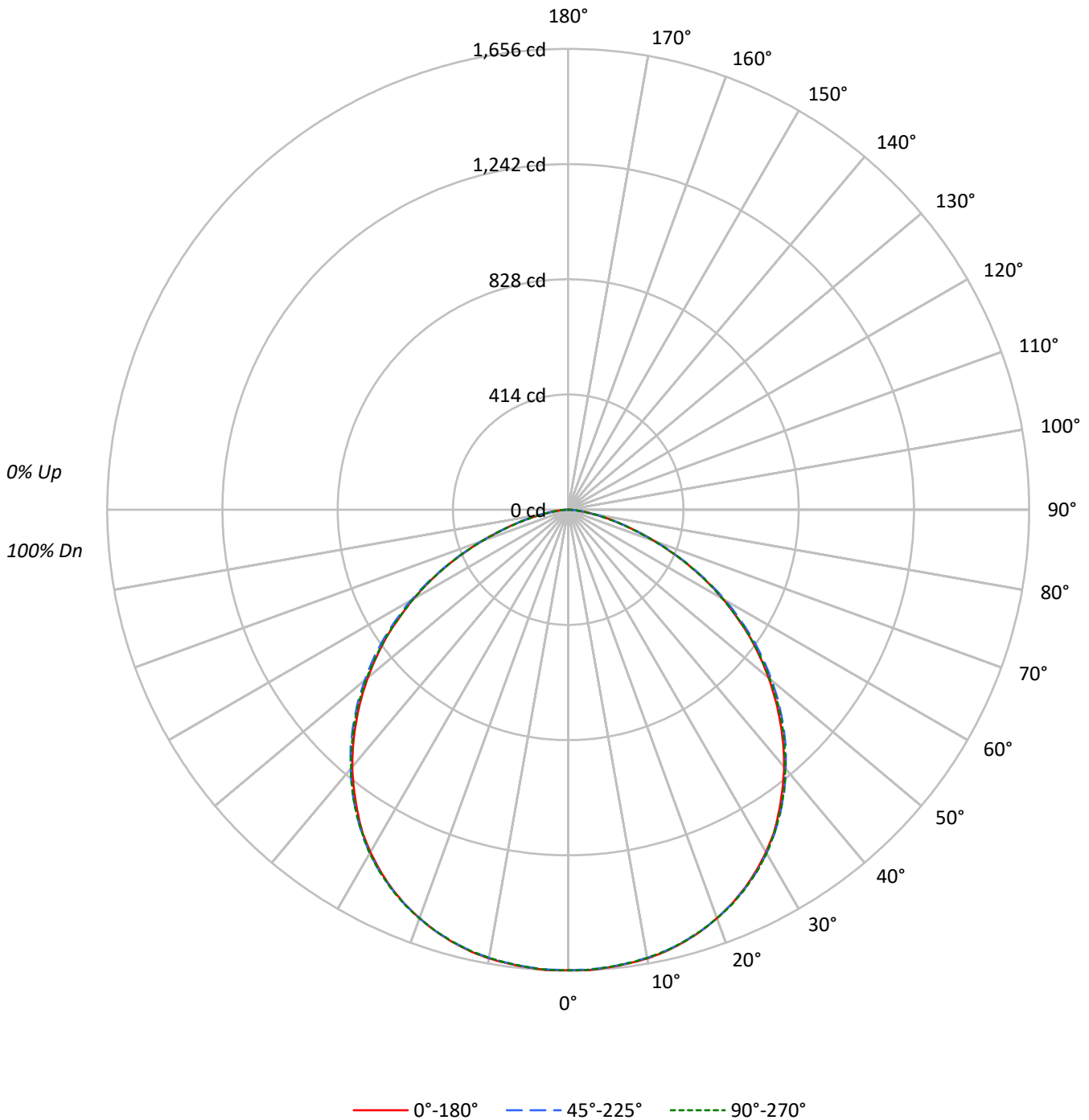
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4423.0 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 39.3  
Input Voltage (V): NR  
Input Current (Ain): 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	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°	4850	4850	4850
5°	4857	4854	4854
10°	4872	4865	4865
15°	4878	4874	4875
20°	4871	4870	4873
25°	4851	4856	4860
30°	4807	4822	4824
35°	4726	4752	4749
40°	4616	4647	4641
45°	4464	4522	4498
50°	4283	4349	4313
55°	4066	4130	4071
60°	3769	3821	3756
65°	3363	3397	3358
70°	2829	2829	2810
75°	2217	2217	2192
80°	1623	1605	1596
85°	1059	1059	1079



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.0	3.6
10°-20°	453.6	10.3
20°-30°	691.9	15.6
30°-40°	829.2	18.7
40°-50°	837.5	18.9
50°-60°	716.5	16.2
60°-70°	483.2	10.9
70°-80°	213.2	4.8
80°-90°	40.9	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°	1302.5	29.4
0°-40°	2131.8	48.2
0°-60°	3685.8	83.3
0°-90°	4423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4423.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1655	1655	1655	1655	1655	
5°	1651	1649	1650	1649	1650	157
15°	1608	1608	1607	1606	1607	454
25°	1500	1502	1502	1502	1503	691
35°	1321	1329	1328	1327	1328	826
45°	1077	1086	1091	1090	1086	830
55°	796	803	808	807	797	709
65°	485	489	490	489	484	479
75°	196	196	196	196	194	213
85°	32	32	32	32	32	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1655.2	1655.2	1655.2	1655.2	1655.2
2.5°	1656.3	1654.1	1653.5	1653.1	1655.2
5°	1651.3	1649.2	1650.3	1649.2	1650.3
7.5°	1645.3	1643.1	1643.7	1642.5	1643.7
10°	1637.6	1635.3	1635.3	1634.2	1635.3
12.5°	1625.3	1623.7	1623.1	1622.0	1623.7
15°	1608.2	1607.7	1606.6	1606.0	1607.1
17.5°	1587.3	1586.2	1587.3	1585.6	1586.6
20°	1562.3	1562.9	1561.9	1562.3	1562.9
22.5°	1534.1	1534.1	1534.7	1534.7	1535.8
25°	1500.4	1502.0	1502.0	1502.0	1503.2
27.5°	1462.9	1465.0	1466.6	1465.5	1466.6
30°	1420.8	1424.7	1425.1	1424.7	1425.7
32.5°	1375.4	1378.2	1379.8	1378.7	1377.6
35°	1321.1	1328.9	1328.5	1327.2	1327.8
37.5°	1264.2	1272.0	1274.7	1272.5	1273.1
40°	1206.7	1213.4	1215.0	1215.6	1213.4
42.5°	1143.1	1150.9	1157.0	1154.2	1150.9
45°	1077.3	1085.6	1091.2	1089.5	1085.6
47.5°	1009.3	1017.0	1024.8	1022.0	1018.2
50°	939.6	947.3	954.0	952.9	946.2
52.5°	868.2	877.1	883.2	881.0	872.1
55°	795.9	803.1	808.5	807.4	797.0
57.5°	717.3	726.7	729.5	727.8	720.1
60°	643.1	649.3	652.0	649.8	640.9
62.5°	564.1	569.1	571.2	570.8	564.7
65°	485.0	488.9	490.0	488.9	484.4
67.5°	403.8	409.2	409.9	409.9	405.4
70°	330.2	331.8	330.2	334.6	328.0
72.5°	258.8	259.9	258.8	258.8	256.0
75°	195.8	196.3	195.8	196.3	193.6
77.5°	141.6	142.7	140.5	142.2	139.4
80°	96.2	96.2	95.1	95.7	94.6
82.5°	59.7	60.8	59.2	59.2	58.6
85°	31.5	31.5	31.5	32.1	32.1
87.5°	11.1	11.1	11.5	11.5	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)