

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: P738259

Luminaire Tested: **22PT-50-PR1-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738259  
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-L930  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

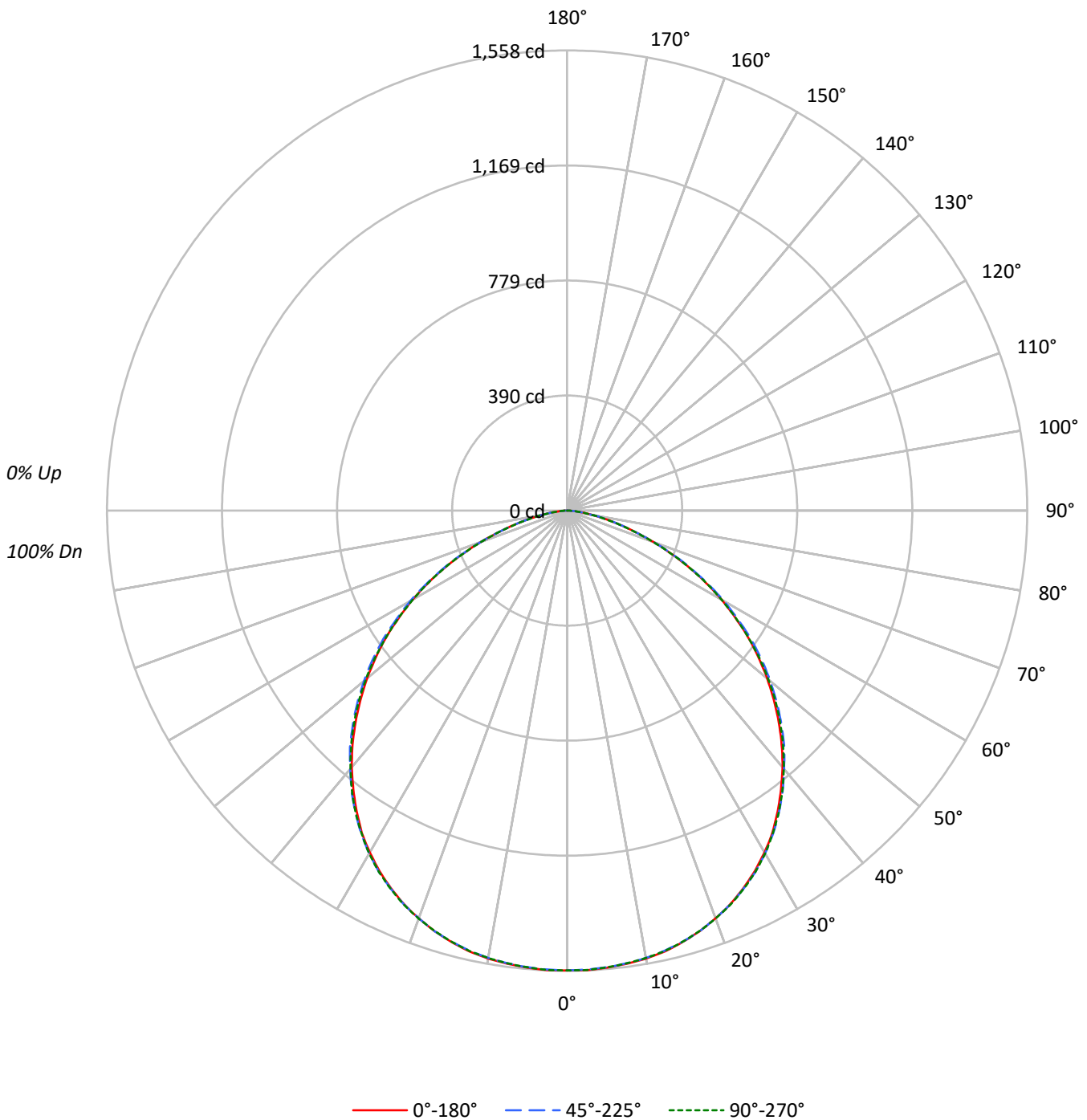
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4160.0 lumens  
Efficiency: N/A  
Efficacy: 105.9 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°	4562	4562	4562
5°	4568	4565	4565
10°	4583	4576	4576
15°	4588	4584	4585
20°	4582	4581	4584
25°	4562	4567	4571
30°	4521	4535	4537
35°	4445	4469	4467
40°	4341	4371	4365
45°	4198	4253	4231
50°	4029	4090	4056
55°	3824	3884	3829
60°	3545	3593	3532
65°	3163	3195	3159
70°	2661	2661	2643
75°	2085	2085	2062
80°	1527	1508	1502
85°	995	995	1015



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.7	3.6
10°-20°	426.6	10.3
20°-30°	650.8	15.6
30°-40°	779.9	18.7
40°-50°	787.7	18.9
50°-60°	673.9	16.2
60°-70°	454.5	10.9
70°-80°	200.5	4.8
80°-90°	38.5	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°	1225.1	29.4
0°-40°	2005.0	48.2
0°-60°	3466.6	83.3
0°-90°	4160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4160.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1557	1557	1557	1557	1557	
5°	1553	1551	1552	1551	1552	148
15°	1512	1512	1511	1510	1512	427
25°	1411	1413	1413	1413	1414	650
35°	1243	1250	1250	1248	1249	777
45°	1013	1021	1026	1025	1021	781
55°	749	755	760	759	750	667
65°	456	460	461	460	456	451
75°	184	185	184	185	182	200
85°	30	30	30	30	30	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1556.8	1556.8	1556.8	1556.8	1556.8
2.5°	1557.8	1555.8	1555.2	1554.8	1556.8
5°	1553.2	1551.1	1552.1	1551.1	1552.1
7.5°	1547.4	1545.4	1546.0	1544.8	1546.0
10°	1540.2	1538.0	1538.0	1537.0	1538.0
12.5°	1528.7	1527.2	1526.6	1525.6	1527.2
15°	1512.5	1512.1	1511.1	1510.5	1511.5
17.5°	1492.9	1491.9	1492.9	1491.3	1492.3
20°	1469.4	1470.0	1469.0	1469.4	1470.0
22.5°	1442.9	1442.9	1443.5	1443.5	1444.5
25°	1411.2	1412.7	1412.7	1412.7	1413.8
27.5°	1375.9	1377.9	1379.4	1378.4	1379.4
30°	1336.3	1339.9	1340.4	1339.9	1341.0
32.5°	1293.6	1296.2	1297.7	1296.7	1295.7
35°	1242.6	1249.9	1249.5	1248.3	1248.9
37.5°	1189.1	1196.4	1198.9	1196.8	1197.4
40°	1134.9	1141.3	1142.7	1143.3	1141.3
42.5°	1075.1	1082.5	1088.2	1085.5	1082.5
45°	1013.2	1021.0	1026.3	1024.7	1021.0
47.5°	949.3	956.5	963.8	961.2	957.7
50°	883.8	891.0	897.3	896.2	889.9
52.5°	816.6	825.0	830.7	828.6	820.3
55°	748.6	755.3	760.4	759.4	749.6
57.5°	674.7	683.5	686.1	684.5	677.3
60°	604.9	610.7	613.2	611.2	602.8
62.5°	530.5	535.2	537.3	536.8	531.1
65°	456.2	459.8	460.9	459.8	455.6
67.5°	379.8	384.9	385.5	385.5	381.2
70°	310.6	312.0	310.6	314.7	308.5
72.5°	243.4	244.4	243.4	243.4	240.8
75°	184.2	184.6	184.2	184.6	182.1
77.5°	133.1	134.2	132.1	133.7	131.1
80°	90.5	90.5	89.4	90.0	89.0
82.5°	56.2	57.2	55.7	55.7	55.1
85°	29.6	29.6	29.6	30.2	30.2
87.5°	10.4	10.4	10.9	10.9	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)