

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: P738269

Luminaire Tested: **22PT-50-PW1-L940**

Issue Date: 2/8/2024



**Test Information**

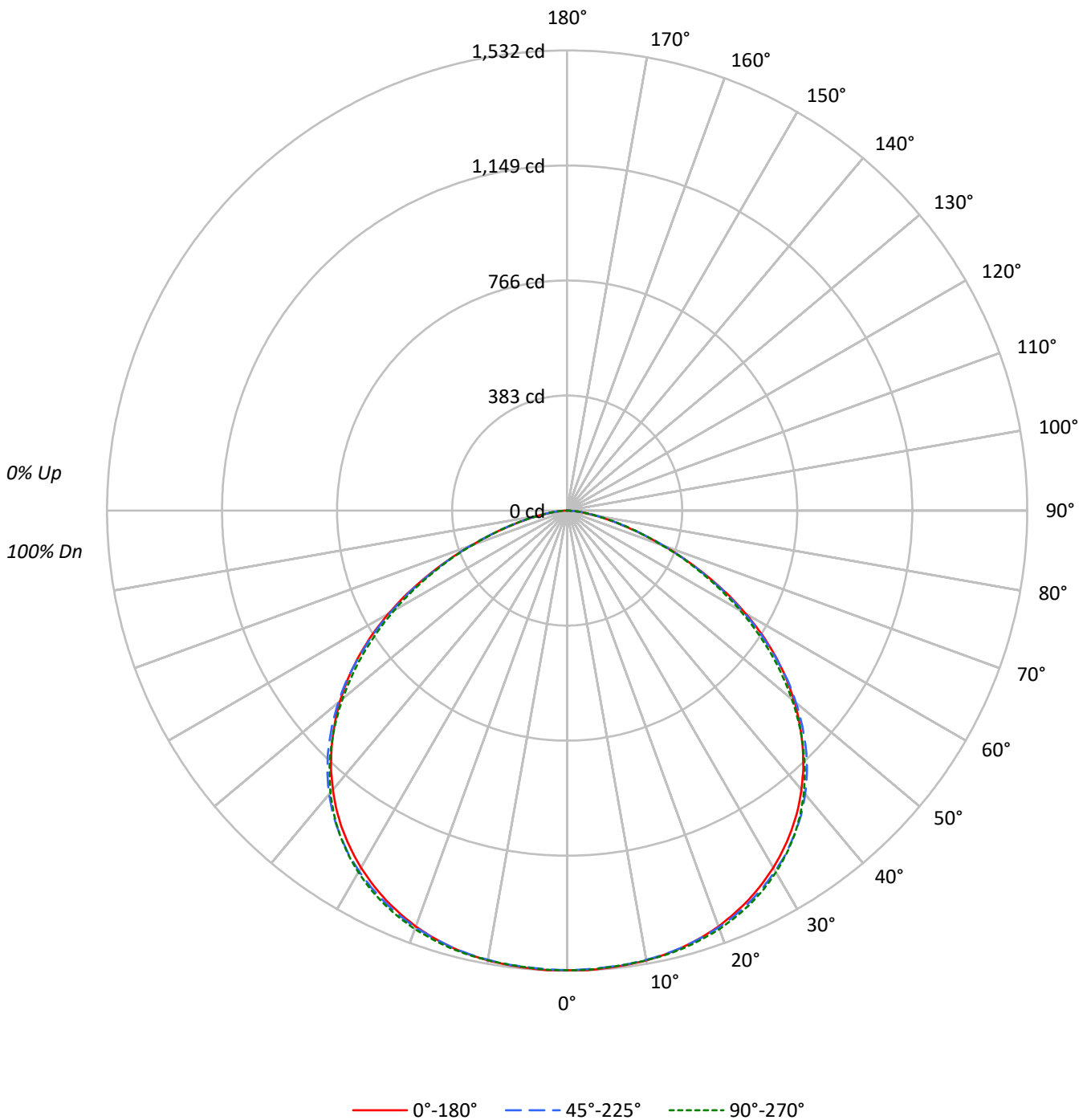
Test Method: LM-79-08  
Report Number: P738269  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-50-PW1-L940  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES 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): 1.33 / 1.34 / 1.44  
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4483	4483	4483
5°	4495	4489	4491
10°	4525	4519	4523
15°	4560	4559	4572
20°	4594	4604	4623
25°	4622	4648	4669
30°	4644	4689	4705
35°	4656	4716	4718
40°	4642	4717	4690
45°	4596	4661	4605
50°	4502	4535	4452
55°	4327	4308	4227
60°	4028	3983	3900
65°	3553	3518	3451
70°	2909	2923	2862
75°	2204	2278	2260
80°	1598	1660	1633
85°	1046	1086	1160



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.5	3.3
10°-20°	425.0	9.6
20°-30°	662.5	15.0
30°-40°	821.2	18.6
40°-50°	859.2	19.4
50°-60°	748.8	16.9
60°-70°	501.6	11.3
70°-80°	217.4	4.9
80°-90°	41.9	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°	1233.0	27.9
0°-40°	2054.1	46.4
0°-60°	3662.1	82.8
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°	1530	1530	1530	1530	1530	
5°	1528	1527	1526	1526	1527	146
15°	1503	1501	1503	1504	1507	425
25°	1430	1430	1438	1442	1444	659
35°	1302	1306	1318	1320	1319	814
45°	1109	1115	1125	1116	1111	854
55°	847	846	843	834	827	754
65°	512	510	507	503	498	507
75°	195	198	201	200	200	215
85°	31	33	32	33	34	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1530.1	1530.1	1530.1	1530.1	1530.1
2.5°	1531.7	1529.0	1528.4	1528.4	1530.1
5°	1528.4	1526.8	1526.2	1525.8	1526.8
7.5°	1525.2	1523.0	1523.6	1522.4	1523.6
10°	1520.8	1518.7	1518.7	1518.7	1520.3
12.5°	1513.1	1511.5	1512.1	1513.1	1515.3
15°	1503.2	1501.1	1502.8	1504.4	1507.2
17.5°	1489.6	1488.0	1490.7	1493.5	1495.7
20°	1473.3	1471.6	1476.5	1480.4	1482.6
22.5°	1452.9	1452.5	1459.0	1463.4	1465.0
25°	1429.5	1430.0	1437.7	1442.0	1444.2
27.5°	1402.6	1403.8	1413.7	1417.5	1419.6
30°	1372.7	1375.3	1385.8	1389.0	1390.7
32.5°	1338.7	1342.6	1355.1	1357.3	1357.3
35°	1301.6	1306.4	1318.4	1320.0	1319.0
37.5°	1260.0	1265.4	1279.0	1276.9	1275.3
40°	1213.5	1219.4	1233.1	1228.7	1226.1
42.5°	1163.7	1169.7	1181.8	1175.2	1171.3
45°	1109.1	1115.0	1124.9	1115.6	1111.3
47.5°	1049.9	1057.0	1062.0	1051.6	1046.1
50°	987.7	989.9	994.8	982.7	976.6
52.5°	919.8	919.8	923.7	910.5	903.3
55°	847.1	846.5	843.3	834.0	827.4
57.5°	770.0	766.7	764.5	754.6	747.0
60°	687.4	682.5	679.7	671.6	665.5
62.5°	601.1	598.3	595.0	588.4	581.9
65°	512.4	509.6	507.4	502.6	497.7
67.5°	424.4	422.7	422.7	419.5	418.9
70°	339.6	340.7	341.2	341.2	334.1
72.5°	263.0	263.6	266.4	264.2	263.6
75°	194.7	198.0	201.2	199.6	199.6
77.5°	140.0	145.0	145.0	143.8	142.2
80°	94.7	96.8	98.4	97.9	96.8
82.5°	60.2	61.8	60.2	61.2	61.8
85°	31.1	33.3	32.3	32.9	34.5
87.5°	10.3	11.5	12.1	11.5	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)