

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: P738245

Luminaire Tested: **22PT-50-PL1-L940**

Issue Date: 2/8/2024



**Test Information**

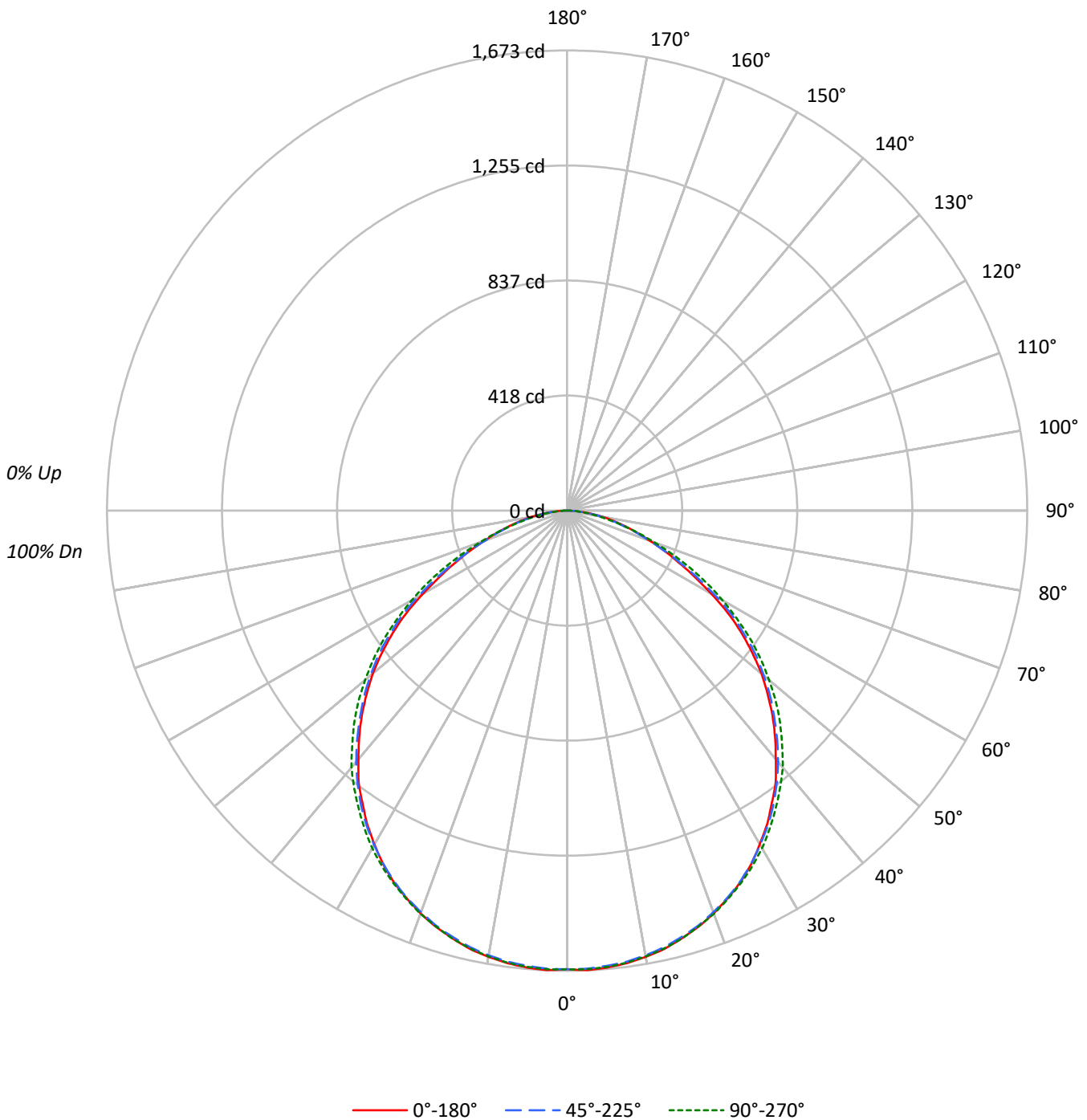
Test Method: LM-79-08  
Report Number: P738245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-50-PL1-L940  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4394.0 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
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 (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	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	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65		74	69	64		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
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°	4886	4886	4886
5°	4905	4887	4899
10°	4901	4885	4897
15°	4884	4870	4887
20°	4859	4844	4863
25°	4820	4811	4831
30°	4740	4750	4795
35°	4640	4673	4728
40°	4514	4565	4667
45°	4375	4413	4538
50°	4202	4253	4369
55°	3946	4025	4151
60°	3548	3667	3824
65°	3108	3172	3410
70°	2729	2705	2879
75°	2454	2351	2359
80°	2202	2084	1859
85°	1745	1721	1415



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.2	3.6
10°-20°	453.6	10.3
20°-30°	686.0	15.6
30°-40°	817.9	18.6
40°-50°	825.8	18.8
50°-60°	704.5	16.0
60°-70°	462.9	10.5
70°-80°	226.7	5.2
80°-90°	58.4	1.3
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°	1297.7	29.5
0°-40°	2115.6	48.1
0°-60°	3646.0	83.0
0°-90°	4394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4394.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1668	1668	1668	1668	1668	
5°	1668	1664	1661	1661	1666	159
15°	1610	1607	1605	1606	1611	455
25°	1491	1487	1488	1490	1494	686
35°	1297	1301	1306	1316	1322	812
45°	1056	1059	1065	1086	1095	813
55°	772	777	788	806	812	688
65°	448	448	458	478	492	449
75°	217	215	208	206	208	232
85°	52	52	51	47	42	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1667.7	1667.7	1667.7	1667.7	1667.7
2.5°	1672.6	1669.1	1667.0	1665.6	1669.1
5°	1667.7	1664.2	1661.4	1661.4	1665.6
7.5°	1660.0	1656.5	1654.4	1653.7	1657.9
10°	1647.4	1643.2	1641.8	1641.1	1646.0
12.5°	1632.6	1626.3	1626.3	1625.6	1630.5
15°	1610.2	1607.4	1605.3	1606.0	1610.9
17.5°	1587.0	1584.2	1582.8	1582.8	1585.6
20°	1558.3	1554.8	1553.4	1554.8	1559.7
22.5°	1525.3	1523.2	1523.2	1524.6	1528.1
25°	1490.9	1487.4	1488.1	1490.2	1494.4
27.5°	1448.8	1448.1	1448.1	1453.0	1457.9
30°	1401.1	1401.1	1403.9	1410.9	1417.3
32.5°	1352.7	1352.0	1357.6	1363.9	1370.9
35°	1297.3	1300.8	1306.4	1315.5	1321.8
37.5°	1245.4	1244.7	1251.7	1267.8	1272.0
40°	1180.1	1185.0	1193.4	1209.6	1220.1
42.5°	1119.1	1122.6	1130.3	1149.2	1156.3
45°	1055.9	1058.7	1065.0	1086.1	1095.2
47.5°	989.3	992.8	1001.9	1019.4	1030.0
50°	921.9	926.8	933.1	950.0	958.4
52.5°	848.2	854.6	865.8	881.2	887.5
55°	772.5	776.7	787.9	806.2	812.5
57.5°	693.2	696.7	712.8	726.2	731.1
60°	605.5	609.7	625.8	646.9	652.5
62.5°	522.7	526.2	540.2	565.5	573.9
65°	448.3	448.3	457.5	478.5	491.8
67.5°	382.4	381.0	382.4	398.5	412.5
70°	318.5	319.2	315.7	325.5	336.1
72.5°	265.9	265.9	258.9	260.3	268.7
75°	216.8	214.7	207.7	206.3	208.4
77.5°	173.3	169.8	164.2	160.0	155.1
80°	130.5	127.7	123.5	117.2	110.2
82.5°	91.2	88.4	85.6	82.1	75.1
85°	51.9	51.9	51.2	47.0	42.1
87.5°	21.0	20.3	19.6	18.9	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)