

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: P737884

Luminaire Tested: **14PT-50-PW1-L935**

Issue Date: 2/8/2024



**Test Information**

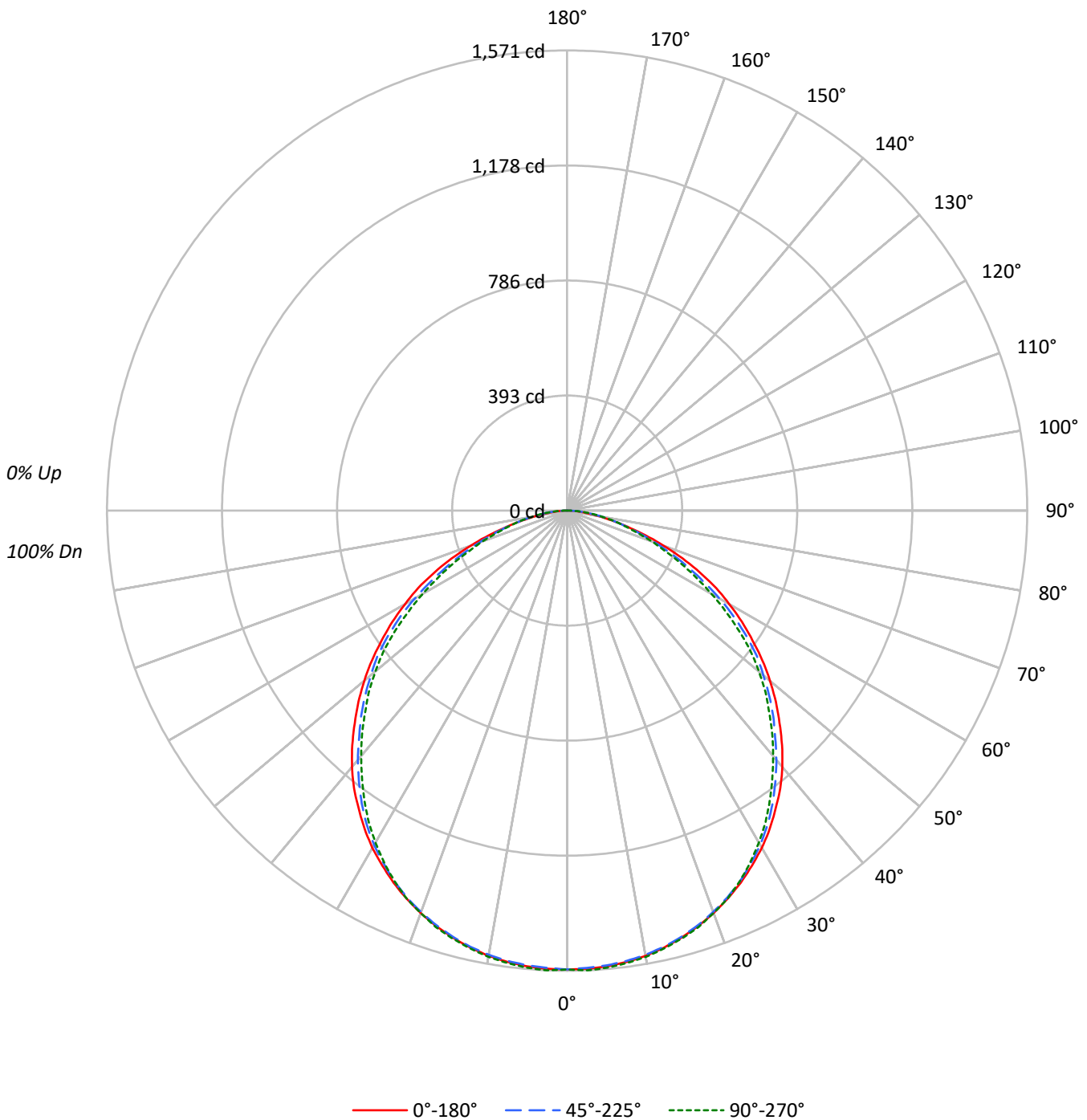
Test Method: LM-79-08  
Report Number: P737884  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-50-PW1-L935  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4157.0 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 40.9  
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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	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	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	4696	4696	4696
5°	4700	4690	4714
10°	4698	4688	4710
15°	4684	4677	4695
20°	4664	4653	4664
25°	4638	4619	4616
30°	4603	4563	4531
35°	4542	4474	4416
40°	4473	4350	4282
45°	4348	4220	4134
50°	4218	4080	3985
55°	4041	3905	3750
60°	3832	3605	3417
65°	3545	3220	3059
70°	3073	2803	2696
75°	2453	2400	2333
80°	1865	2084	2084
85°	1376	1778	1778



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.6	3.6
10°-20°	426.1	10.2
20°-30°	643.9	15.5
30°-40°	764.6	18.4
40°-50°	770.4	18.5
50°-60°	665.9	16.0
60°-70°	455.1	10.9
70°-80°	224.4	5.4
80°-90°	58.0	1.4
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°	1218.6	29.3
0°-40°	1983.2	47.7
0°-60°	3419.4	82.3
0°-90°	4157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4157.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1566	1566	1566	1566	1566	
5°	1562	1562	1558	1565	1566	148
15°	1509	1511	1507	1512	1512	426
25°	1402	1401	1396	1398	1395	646
35°	1241	1237	1222	1211	1207	777
45°	1026	1014	995	984	975	792
55°	773	771	747	725	717	691
65°	500	482	454	434	431	493
75°	212	210	207	207	201	231
85°	40	47	52	53	52	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1566.5	1566.5	1566.5	1566.5	1566.5
2.5°	1565.9	1566.5	1562.4	1569.4	1571.1
5°	1561.8	1562.4	1558.4	1564.7	1566.5
7.5°	1554.3	1555.5	1550.8	1557.2	1558.4
10°	1543.3	1543.9	1539.8	1546.2	1547.3
12.5°	1528.2	1528.8	1525.3	1531.1	1531.1
15°	1509.0	1510.8	1506.7	1511.9	1512.5
17.5°	1487.6	1488.1	1484.1	1489.9	1491.0
20°	1462.0	1462.0	1458.5	1463.2	1462.0
22.5°	1433.6	1433.6	1429.5	1431.8	1433.0
25°	1402.2	1401.1	1396.4	1397.6	1395.3
27.5°	1366.3	1366.3	1358.1	1358.1	1354.1
30°	1329.7	1326.8	1318.1	1312.9	1308.8
32.5°	1287.9	1283.8	1272.8	1263.5	1260.6
35°	1240.9	1236.8	1222.3	1211.3	1206.6
37.5°	1195.6	1186.3	1167.2	1156.1	1150.9
40°	1142.8	1131.2	1111.5	1096.4	1094.0
42.5°	1085.9	1076.6	1051.1	1040.1	1037.2
45°	1025.6	1014.5	995.4	983.8	975.1
47.5°	966.4	958.2	936.2	922.3	919.3
50°	904.3	897.3	874.7	859.6	854.3
52.5°	839.8	835.2	816.0	796.9	790.5
55°	773.1	770.8	747.0	724.9	717.4
57.5°	707.5	704.6	675.0	649.5	642.5
60°	639.0	630.3	601.3	577.5	569.9
62.5°	574.0	555.4	524.1	505.5	496.8
65°	499.7	481.7	453.9	434.1	431.2
67.5°	426.6	405.1	383.6	371.5	362.2
70°	350.6	336.0	319.8	309.4	307.6
72.5°	279.8	269.3	261.2	254.8	249.6
75°	211.8	210.1	207.2	207.2	201.4
77.5°	155.5	159.6	161.9	161.4	162.5
80°	108.0	116.1	120.7	121.3	120.7
82.5°	68.5	77.8	85.3	86.5	87.6
85°	40.0	47.0	51.7	52.8	51.7
87.5°	18.0	22.6	23.8	25.0	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)