

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: P737869

Luminaire Tested: **14PT-50-PP3-L940**

Issue Date: 2/8/2024



**Test Information**

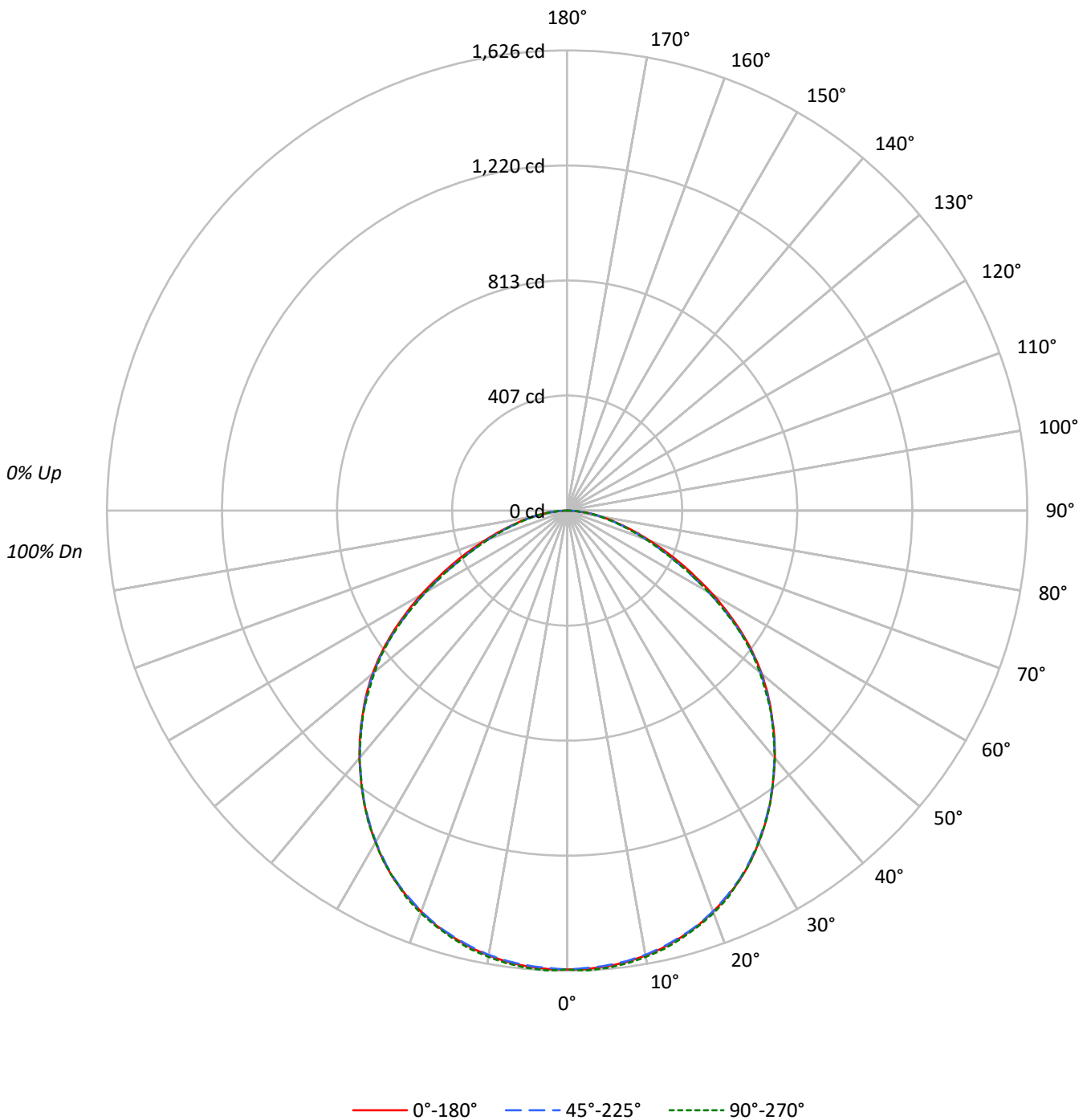
Test Method: LM-79-08  
Report Number: P737869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-50-PP3-L940  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4190.0 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 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

TEST NUMBER: P737869  
CATALOG NUMBER: 14PT-50-PP3-L940

### Luminous Intensity Polar Plot





TEST NUMBER: P737869

CATALOG NUMBER: 14PT-50-PP3-L940

**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	86	80	97	90	84	79	87	82	78	84	79	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	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

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

	0°	45°	90°
0°	4862	4862	4862
5°	4866	4856	4882
10°	4860	4853	4876
15°	4843	4834	4856
20°	4811	4807	4828
25°	4768	4761	4767
30°	4689	4678	4689
35°	4586	4580	4584
40°	4469	4455	4467
45°	4335	4323	4327
50°	4189	4170	4140
55°	3944	3898	3886
60°	3578	3459	3466
65°	3144	2986	2982
70°	2719	2596	2564
75°	2353	2263	2216
80°	2084	2053	1961
85°	1720	1782	1682



TEST NUMBER: P737869

CATALOG NUMBER: 14PT-50-PP3-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.8	3.7
10°-20°	440.6	10.5
20°-30°	663.3	15.8
30°-40°	782.9	18.7
40°-50°	787.4	18.8
50°-60°	664.7	15.9
60°-70°	426.9	10.2
70°-80°	212.3	5.1
80°-90°	58.2	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°	1257.7	30.0
0°-40°	2040.6	48.7
0°-60°	3492.6	83.4
0°-90°	4190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4190.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1622	1622	1622	1622	1622	
5°	1617	1618	1613	1621	1622	154
15°	1560	1561	1558	1564	1564	440
25°	1442	1442	1439	1442	1441	663
35°	1253	1254	1251	1253	1253	783
45°	1022	1026	1020	1021	1021	789
55°	755	754	746	743	743	671
65°	443	437	421	417	420	442
75°	203	202	195	194	191	220
85°	50	52	52	49	49	59
90°	0	0	0	0	0	



TEST NUMBER: P737869

CATALOG NUMBER: 14PT-50-PP3-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1621.6	1621.6	1621.6	1621.6	1621.6
2.5°	1621.0	1621.6	1617.5	1625.1	1626.3
5°	1616.9	1617.5	1613.4	1621.0	1622.2
7.5°	1608.7	1609.3	1605.7	1612.8	1614.0
10°	1596.3	1598.1	1594.0	1600.4	1601.6
12.5°	1581.0	1581.6	1577.5	1585.1	1586.3
15°	1560.4	1561.0	1557.5	1564.5	1564.5
17.5°	1536.9	1537.4	1535.1	1541.0	1540.4
20°	1508.0	1509.8	1506.8	1511.0	1513.3
22.5°	1476.8	1477.4	1473.9	1479.2	1481.5
25°	1441.5	1442.1	1439.1	1442.1	1440.9
27.5°	1400.3	1401.5	1397.4	1400.3	1400.9
30°	1354.4	1357.3	1351.4	1353.8	1354.4
32.5°	1304.9	1306.7	1302.6	1303.2	1306.1
35°	1253.1	1253.7	1251.4	1252.6	1252.6
37.5°	1197.2	1199.6	1196.1	1197.8	1195.5
40°	1141.9	1139.5	1138.4	1139.5	1141.3
42.5°	1083.6	1084.2	1082.5	1081.3	1078.3
45°	1022.4	1025.9	1019.5	1020.6	1020.6
47.5°	962.4	963.0	959.4	955.9	953.5
50°	898.2	898.2	894.1	891.2	887.6
52.5°	828.2	827.0	822.3	819.3	821.1
55°	754.6	754.0	745.8	742.8	743.4
57.5°	674.0	675.1	662.8	659.8	659.8
60°	596.8	591.0	576.8	572.7	578.0
62.5°	516.2	509.1	493.8	493.8	498.0
65°	443.2	436.7	420.9	416.7	420.3
67.5°	374.9	369.1	354.3	352.0	353.2
70°	310.2	304.9	296.1	290.8	292.5
72.5°	254.3	249.6	243.7	239.6	237.2
75°	203.1	201.9	195.4	193.7	191.3
77.5°	160.7	160.1	154.8	152.4	150.1
80°	120.7	120.1	118.9	115.4	113.6
82.5°	85.9	85.9	85.3	82.4	80.6
85°	50.0	51.8	51.8	48.9	48.9
87.5°	20.0	21.2	20.0	20.0	19.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)