

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: P737861

Luminaire Tested: **14PT-50-PL1-L940**

Issue Date: 2/8/2024



**Test Information**

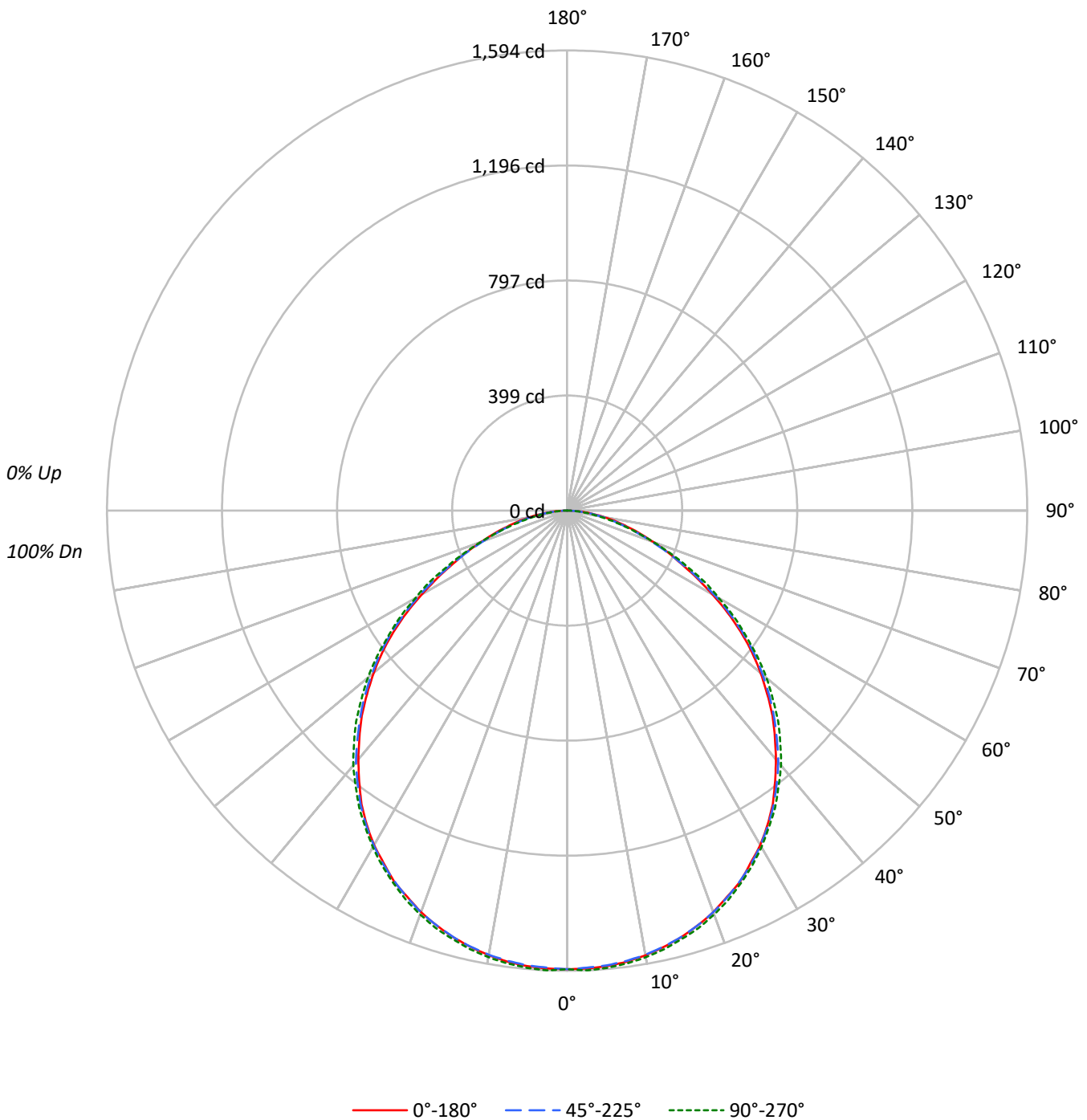
Test Method: LM-79-08  
Report Number: P737861  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-50-PL1-L940  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4188.0 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
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	96	98	95	93		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	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	30		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°	4763	4763	4763
5°	4767	4758	4785
10°	4761	4756	4783
15°	4747	4745	4768
20°	4723	4723	4750
25°	4691	4685	4710
30°	4632	4638	4660
35°	4543	4561	4598
40°	4403	4453	4511
45°	4265	4300	4382
50°	4077	4121	4203
55°	3840	3901	3947
60°	3484	3558	3646
65°	3094	3128	3253
70°	2766	2709	2776
75°	2495	2353	2305
80°	2267	2103	1870
85°	1923	1741	1500



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.7	3.6
10°-20°	432.2	10.3
20°-30°	653.8	15.6
30°-40°	779.3	18.6
40°-50°	783.7	18.7
50°-60°	665.1	15.9
60°-70°	442.8	10.6
70°-80°	221.1	5.3
80°-90°	59.2	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°	1236.8	29.5
0°-40°	2016.1	48.1
0°-60°	3464.9	82.7
0°-90°	4188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4188.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1589	1589	1589	1589	1589	
5°	1584	1585	1581	1588	1590	151
15°	1529	1531	1529	1535	1536	431
25°	1418	1418	1416	1423	1424	652
35°	1241	1243	1246	1255	1256	774
45°	1006	1008	1014	1028	1034	774
55°	735	740	746	754	755	655
65°	436	440	441	447	458	437
75°	215	212	203	198	199	231
85°	56	55	51	48	44	65
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1588.7	1588.7	1588.7	1588.7	1588.7
2.5°	1587.6	1588.7	1584.6	1592.3	1594.0
5°	1584.0	1584.6	1581.1	1588.1	1589.9
7.5°	1576.4	1577.0	1573.4	1581.1	1582.3
10°	1564.0	1565.2	1562.2	1569.3	1571.1
12.5°	1548.1	1549.9	1546.9	1554.6	1555.8
15°	1529.3	1531.0	1528.7	1535.2	1536.3
17.5°	1506.3	1507.5	1506.3	1512.2	1515.7
20°	1480.4	1480.4	1480.4	1485.7	1488.7
22.5°	1448.0	1451.0	1449.8	1456.9	1459.8
25°	1418.0	1418.0	1416.3	1422.7	1423.9
27.5°	1376.2	1380.9	1380.4	1386.2	1387.4
30°	1338.0	1339.1	1339.7	1343.9	1346.2
32.5°	1291.5	1292.6	1294.4	1300.3	1300.9
35°	1241.4	1242.6	1246.1	1255.0	1256.2
37.5°	1183.2	1189.6	1192.6	1202.0	1203.2
40°	1124.9	1129.0	1137.8	1147.8	1152.6
42.5°	1065.4	1070.1	1075.4	1089.0	1093.1
45°	1006.0	1007.7	1014.2	1027.8	1033.6
47.5°	940.1	945.4	951.2	963.0	966.5
50°	874.1	880.0	883.5	894.1	901.2
52.5°	807.6	812.9	817.0	823.5	830.6
55°	734.6	739.9	746.4	753.5	755.2
57.5°	660.5	666.3	670.5	678.1	685.8
60°	581.0	587.5	593.3	600.4	608.1
62.5°	506.8	509.8	515.6	527.4	538.6
65°	436.2	439.7	440.9	447.4	458.5
67.5°	377.3	377.3	372.0	374.4	386.7
70°	315.5	313.2	309.0	306.7	316.7
72.5°	265.5	262.5	253.7	249.6	254.9
75°	215.4	212.5	203.1	198.4	199.0
77.5°	173.1	168.4	160.7	152.5	150.7
80°	131.3	129.5	121.8	114.2	108.3
82.5°	93.0	88.9	84.8	80.1	75.3
85°	55.9	54.7	50.6	47.7	43.6
87.5°	23.0	23.0	21.8	20.6	19.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)