

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: P737870

Luminaire Tested: **14PT-50-PP3-L950**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737870  
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-L950  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

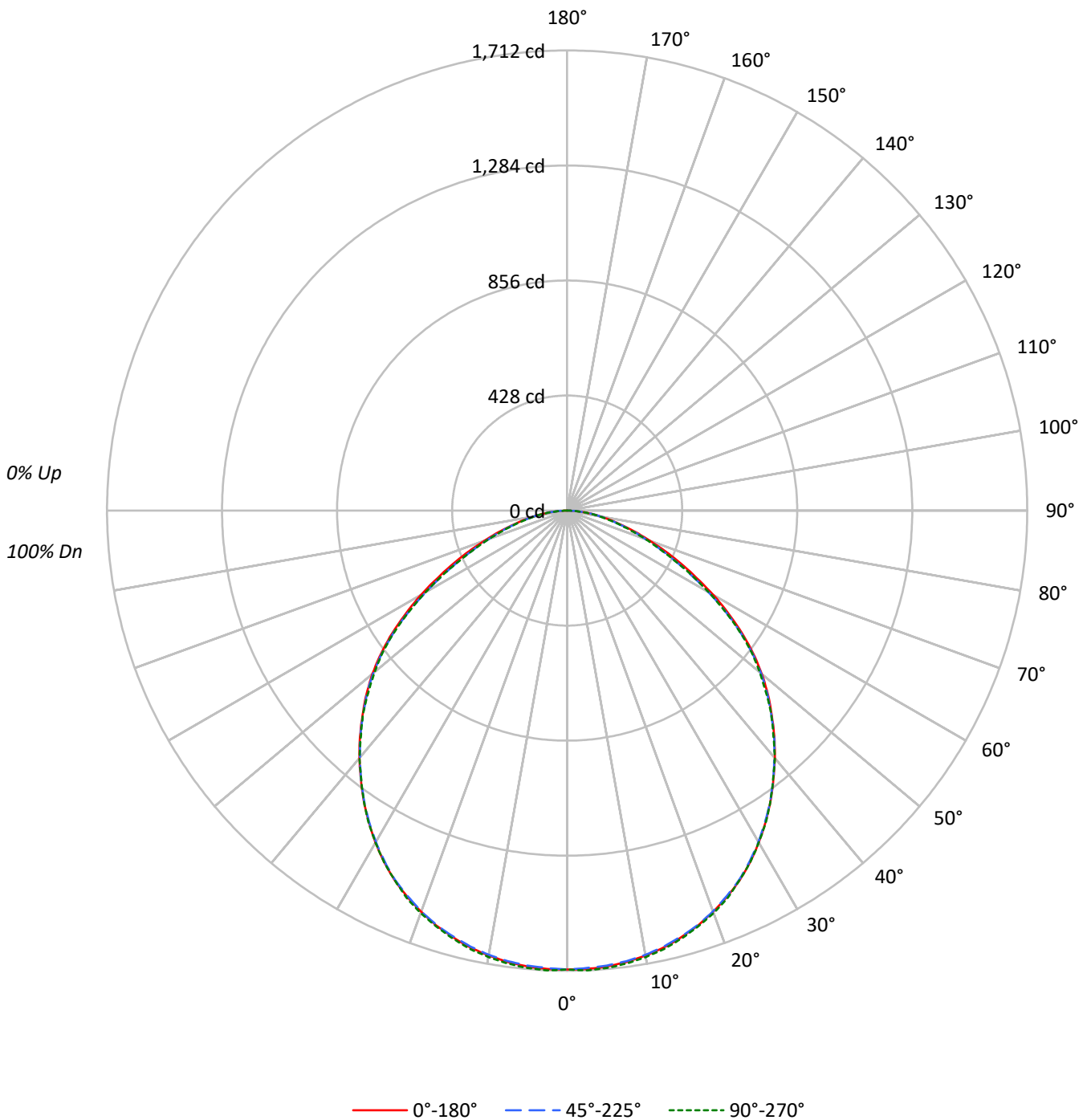
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4412.0 lumens  
Efficiency: N/A  
Efficacy: 107.9 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

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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	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°	5119	5119	5119
5°	5124	5113	5141
10°	5117	5110	5134
15°	5100	5090	5113
20°	5066	5062	5084
25°	5021	5013	5019
30°	4937	4927	4937
35°	4829	4823	4827
40°	4706	4691	4703
45°	4565	4552	4557
50°	4411	4391	4360
55°	4153	4105	4092
60°	3769	3642	3649
65°	3311	3144	3139
70°	2863	2733	2700
75°	2477	2384	2333
80°	2194	2162	2065
85°	1813	1875	1768



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.9	3.7
10°-20°	463.9	10.5
20°-30°	698.5	15.8
30°-40°	824.3	18.7
40°-50°	829.1	18.8
50°-60°	699.9	15.9
60°-70°	449.5	10.2
70°-80°	223.6	5.1
80°-90°	61.3	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°	1324.3	30.0
0°-40°	2148.7	48.7
0°-60°	3677.7	83.4
0°-90°	4412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4412.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1708	1708	1708	1708	1708	
5°	1703	1703	1699	1707	1708	162
15°	1643	1644	1640	1647	1647	464
25°	1518	1518	1515	1518	1517	698
35°	1320	1320	1318	1319	1319	825
45°	1077	1080	1074	1075	1075	831
55°	795	794	785	782	783	707
65°	467	460	443	439	442	465
75°	214	213	206	204	201	231
85°	53	54	54	51	51	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1707.5	1707.5	1707.5	1707.5	1707.5
2.5°	1706.9	1707.5	1703.2	1711.3	1712.5
5°	1702.6	1703.2	1698.9	1706.9	1708.2
7.5°	1693.9	1694.5	1690.8	1698.2	1699.5
10°	1680.9	1682.7	1678.4	1685.2	1686.5
12.5°	1664.8	1665.4	1661.1	1669.1	1670.3
15°	1643.1	1643.7	1640.0	1647.4	1647.4
17.5°	1618.3	1618.9	1616.4	1622.6	1622.0
20°	1587.9	1589.8	1586.7	1591.0	1593.5
22.5°	1555.1	1555.7	1552.0	1557.5	1560.0
25°	1517.9	1518.5	1515.4	1518.5	1517.3
27.5°	1474.5	1475.7	1471.4	1474.5	1475.1
30°	1426.1	1429.2	1423.1	1425.5	1426.1
32.5°	1374.1	1375.9	1371.6	1372.2	1375.3
35°	1319.5	1320.2	1317.7	1318.9	1318.9
37.5°	1260.7	1263.1	1259.4	1261.3	1258.8
40°	1202.4	1199.9	1198.7	1199.9	1201.8
42.5°	1141.0	1141.7	1139.8	1138.6	1135.5
45°	1076.6	1080.3	1073.5	1074.7	1074.7
47.5°	1013.4	1014.0	1010.3	1006.5	1004.1
50°	945.8	945.8	941.5	938.4	934.7
52.5°	872.1	870.8	865.9	862.8	864.6
55°	794.6	794.0	785.3	782.2	782.8
57.5°	709.7	710.9	697.9	694.8	694.8
60°	628.5	622.3	607.4	603.1	608.6
62.5°	543.6	536.1	520.0	520.0	524.3
65°	466.7	459.9	443.2	438.8	442.5
67.5°	394.8	388.6	373.1	370.6	371.9
70°	326.6	321.1	311.8	306.2	308.0
72.5°	267.8	262.8	256.6	252.3	249.8
75°	213.8	212.6	205.8	203.9	201.4
77.5°	169.2	168.6	163.0	160.5	158.0
80°	127.1	126.4	125.2	121.5	119.6
82.5°	90.5	90.5	89.9	86.8	84.9
85°	52.7	54.5	54.5	51.4	51.4
87.5°	21.1	22.3	21.1	21.1	20.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)