

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: P738252

Luminaire Tested: **22PT-50-PP3-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738252  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-50-PP3-L935  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

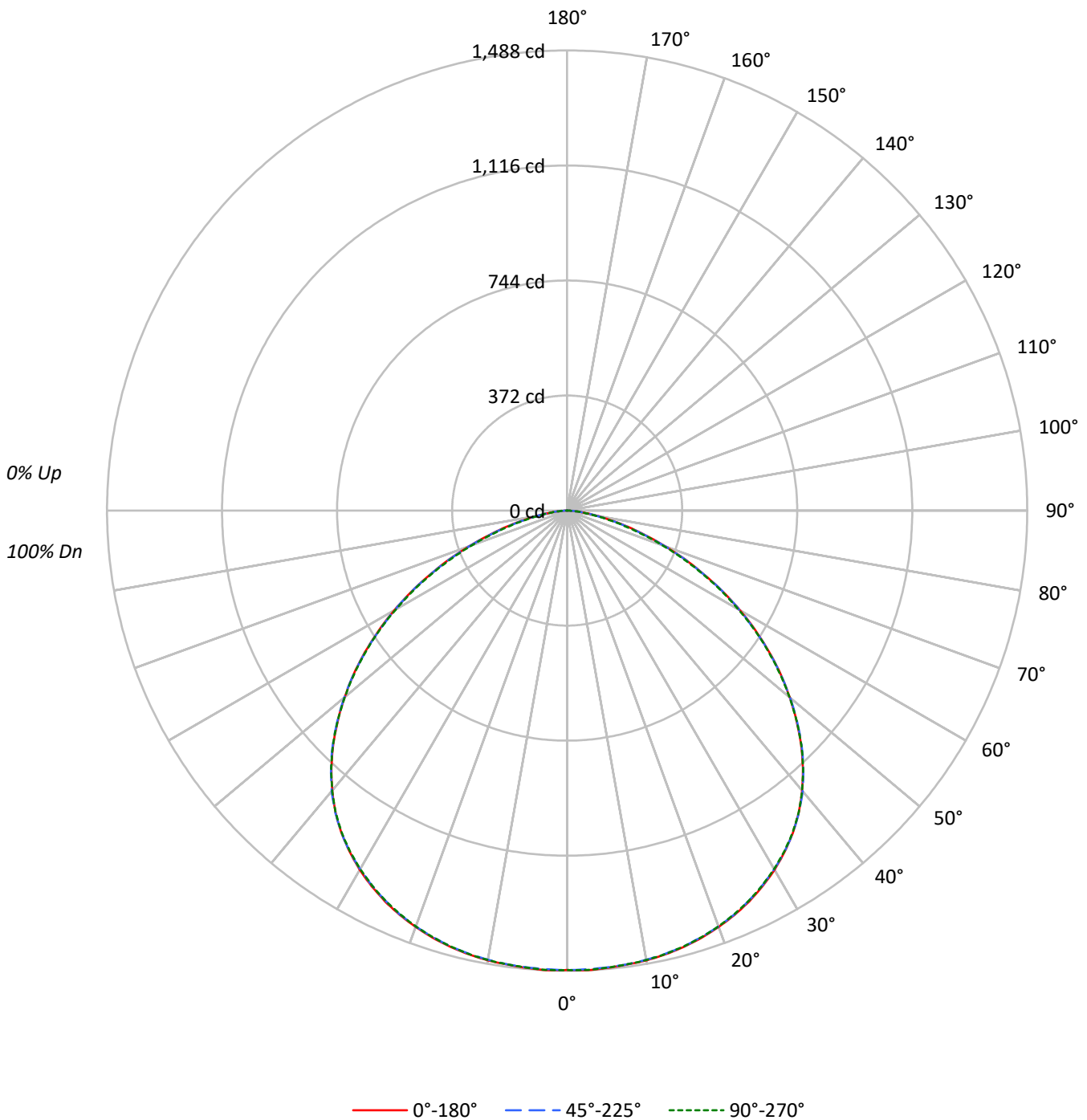
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4263.0 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43  
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 (Ain): 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	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	4353	4353	4353
5°	4367	4362	4365
10°	4394	4388	4391
15°	4429	4424	4424
20°	4468	4463	4461
25°	4507	4499	4499
30°	4539	4530	4529
35°	4552	4552	4546
40°	4522	4531	4522
45°	4433	4445	4438
50°	4284	4290	4278
55°	4078	4068	4060
60°	3786	3777	3748
65°	3381	3378	3340
70°	2890	2872	2809
75°	2303	2235	2167
80°	1642	1608	1524
85°	1066	1066	1032



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.3	3.3
10°-20°	412.2	9.7
20°-30°	641.8	15.1
30°-40°	794.3	18.6
40°-50°	823.7	19.3
50°-60°	709.9	16.7
60°-70°	482.7	11.3
70°-80°	216.0	5.1
80°-90°	41.1	1.0
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°	1195.3	28.0
0°-40°	1989.6	46.7
0°-60°	3523.2	82.6
0°-90°	4263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4263.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1486	1486	1486	1486	1486	
5°	1485	1482	1483	1482	1484	141
15°	1460	1458	1458	1458	1458	413
25°	1394	1392	1392	1391	1392	643
35°	1272	1271	1272	1271	1271	795
45°	1070	1069	1073	1070	1071	823
55°	798	795	796	795	795	712
65°	488	492	487	486	482	484
75°	203	204	197	196	191	219
85°	32	33	32	31	31	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1485.8	1485.8	1485.8	1485.8	1485.8
2.5°	1487.9	1484.8	1484.8	1485.4	1486.9
5°	1484.8	1481.9	1482.9	1482.3	1483.9
7.5°	1480.9	1478.4	1480.0	1478.8	1480.0
10°	1476.9	1474.4	1474.9	1474.4	1475.9
12.5°	1469.9	1467.0	1468.0	1468.0	1468.5
15°	1460.1	1457.6	1458.5	1457.6	1458.5
17.5°	1448.1	1445.2	1445.7	1445.2	1446.1
20°	1432.8	1430.8	1431.3	1430.3	1430.8
22.5°	1415.4	1412.9	1413.5	1412.5	1412.5
25°	1394.1	1392.0	1391.6	1391.1	1391.6
27.5°	1369.2	1366.8	1366.8	1366.3	1366.3
30°	1341.5	1339.0	1339.0	1338.5	1338.5
32.5°	1308.7	1307.7	1308.3	1307.3	1306.7
35°	1272.5	1271.0	1272.5	1270.6	1271.0
37.5°	1230.4	1228.4	1231.3	1229.4	1229.8
40°	1182.2	1181.2	1184.7	1183.2	1182.2
42.5°	1128.6	1128.6	1130.2	1130.6	1129.6
45°	1069.7	1068.7	1072.6	1070.1	1071.0
47.5°	1006.1	1004.7	1007.6	1007.0	1006.6
50°	939.7	938.6	941.1	938.6	938.6
52.5°	870.7	870.1	870.7	868.2	867.6
55°	798.2	795.3	796.3	794.7	794.7
57.5°	722.8	719.3	719.9	719.3	719.9
60°	646.0	644.9	644.5	642.0	639.5
62.5°	567.1	568.1	567.5	564.0	561.5
65°	487.7	491.7	487.2	485.7	481.7
67.5°	412.8	414.2	411.3	407.8	403.3
70°	337.4	340.3	335.3	331.8	327.9
72.5°	265.5	267.4	263.0	261.0	256.0
75°	203.4	204.0	197.4	196.5	191.4
77.5°	144.8	146.8	141.9	141.9	136.9
80°	97.3	100.7	95.3	93.8	90.3
82.5°	61.1	61.5	60.0	58.6	57.0
85°	31.7	32.7	31.7	30.7	30.7
87.5°	12.0	12.4	12.0	11.4	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)