

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: P738230

Luminaire Tested: **22PT-50-PB1-L950**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738230  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-50-PB1-L950  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

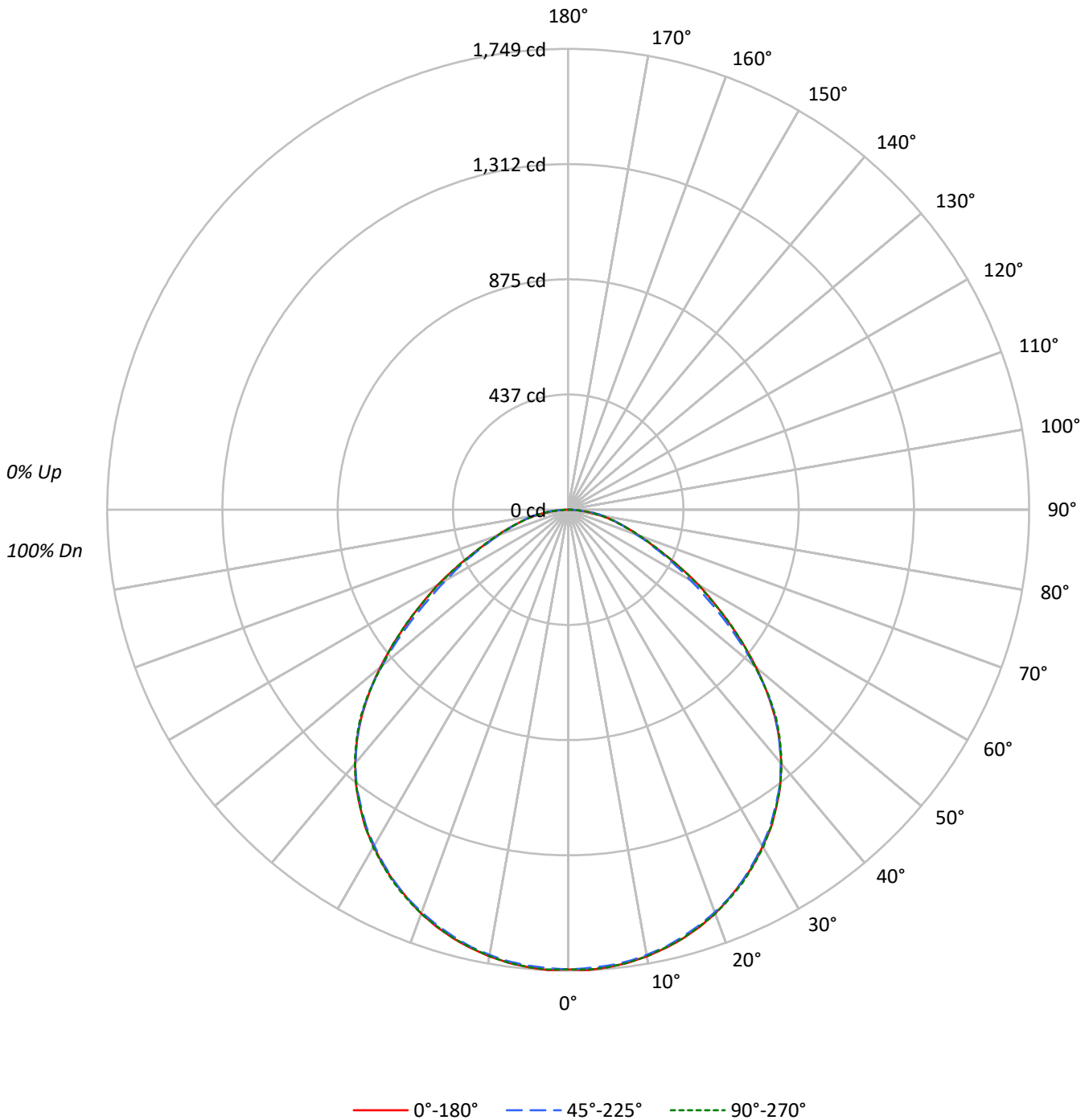
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4399.0 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
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 (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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	5112	5112	5112
5°	5125	5109	5125
10°	5121	5105	5119
15°	5110	5090	5107
20°	5084	5069	5087
25°	5042	5038	5054
30°	4991	4979	5006
35°	4924	4906	4924
40°	4810	4799	4815
45°	4593	4602	4620
50°	4242	4206	4212
55°	3790	3663	3804
60°	3346	3142	3325
65°	2803	2714	2803
70°	2430	2364	2442
75°	2217	2248	2217
80°	2082	2261	2094
85°	1812	2219	1859



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.5	3.8
10°-20°	474.4	10.8
20°-30°	718.4	16.3
30°-40°	859.2	19.5
40°-50°	850.7	19.3
50°-60°	654.1	14.9
60°-70°	398.3	9.1
70°-80°	210.8	4.8
80°-90°	67.5	1.5
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°	1358.3	30.9
0°-40°	2217.5	50.4
0°-60°	3722.3	84.6
0°-90°	4399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4399.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1745	1745	1745	1745	1745	
5°	1743	1742	1737	1740	1743	166
15°	1684	1682	1678	1682	1684	475
25°	1560	1558	1558	1560	1563	719
35°	1377	1375	1372	1376	1377	860
45°	1108	1109	1111	1111	1115	850
55°	742	732	717	730	745	665
65°	404	394	392	391	404	409
75°	196	196	199	197	196	210
85°	54	62	66	62	55	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1744.7	1744.7	1744.7	1744.7	1744.7
2.5°	1749.0	1746.2	1741.2	1744.7	1746.9
5°	1742.6	1741.9	1736.9	1739.8	1742.6
7.5°	1734.8	1732.7	1729.1	1732.0	1734.1
10°	1721.3	1719.9	1715.7	1719.2	1720.6
12.5°	1704.3	1702.9	1700.1	1702.9	1702.2
15°	1684.5	1681.6	1678.1	1681.6	1683.7
17.5°	1659.6	1656.8	1654.0	1656.1	1657.5
20°	1630.6	1626.3	1625.6	1628.4	1631.3
22.5°	1595.8	1595.8	1595.1	1597.2	1598.6
25°	1559.6	1558.2	1558.2	1560.3	1563.2
27.5°	1520.6	1517.8	1516.4	1519.9	1522.0
30°	1475.2	1474.5	1471.7	1477.4	1479.5
32.5°	1431.3	1424.2	1425.6	1428.4	1429.1
35°	1376.6	1375.2	1371.7	1375.9	1376.6
37.5°	1321.3	1320.6	1318.5	1319.9	1320.6
40°	1257.5	1256.8	1254.7	1257.5	1258.9
42.5°	1186.6	1185.1	1185.1	1187.3	1189.4
45°	1108.5	1109.3	1110.7	1111.4	1114.9
47.5°	1021.3	1022.7	1024.1	1022.7	1023.4
50°	930.5	929.8	922.7	927.7	924.1
52.5°	834.8	824.1	818.5	829.8	837.6
55°	741.9	731.9	717.0	729.8	744.7
57.5°	652.5	635.5	619.9	634.8	649.7
60°	570.9	544.7	536.2	545.4	567.4
62.5°	483.7	465.3	462.4	463.8	483.0
65°	404.3	394.3	391.5	390.8	404.3
67.5°	339.0	332.6	329.1	331.9	340.4
70°	283.7	280.9	275.9	280.9	285.1
72.5°	238.3	237.6	233.3	237.6	236.2
75°	195.8	195.8	198.6	197.2	195.8
77.5°	159.6	161.0	166.0	161.7	157.5
80°	123.4	127.0	134.0	127.7	124.1
82.5°	87.9	95.7	103.5	95.7	90.8
85°	53.9	61.7	66.0	62.4	55.3
87.5°	23.4	27.7	29.1	27.0	23.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)