

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: P738350

Luminaire Tested: **22PT-45-PW1-L950**

Issue Date: 2/8/2024



**Test Information**

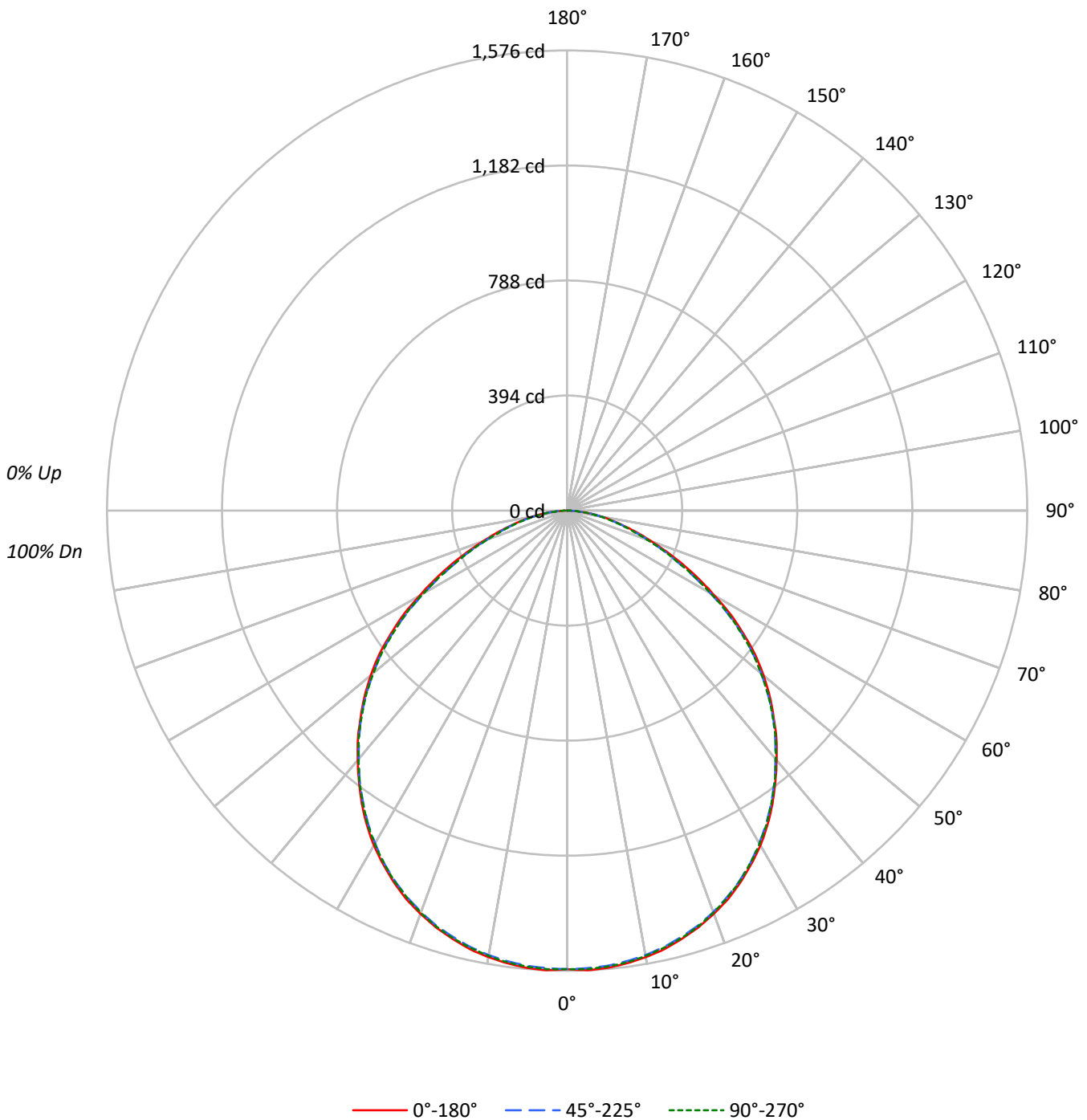
Test Method: LM-79-08  
Report Number: P738350  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-45-PW1-L950  
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4090.0 lumens  
Efficiency: N/A  
Efficacy: 115.9 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 35.3  
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

TEST NUMBER: P738350  
CATALOG NUMBER: 22PT-45-PW1-L950

### 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	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	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°	4602	4602	4602
5°	4625	4604	4613
10°	4621	4599	4608
15°	4606	4586	4597
20°	4582	4562	4569
25°	4541	4520	4526
30°	4481	4452	4458
35°	4385	4361	4365
40°	4269	4246	4250
45°	4145	4130	4125
50°	4001	3957	3947
55°	3771	3720	3700
60°	3422	3323	3331
65°	3043	2901	2901
70°	2609	2514	2494
75°	2263	2212	2162
80°	2035	1952	1915
85°	1617	1631	1543



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.9	3.6
10°-20°	427.0	10.4
20°-30°	644.2	15.8
30°-40°	763.0	18.7
40°-50°	768.1	18.8
50°-60°	649.5	15.9
60°-70°	422.3	10.3
70°-80°	210.2	5.1
80°-90°	56.6	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°	1220.2	29.8
0°-40°	1983.2	48.5
0°-60°	3400.9	83.2
0°-90°	4090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4090.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1570	1570	1570	1570	1570	
5°	1572	1566	1565	1564	1568	149
15°	1518	1514	1512	1511	1515	429
25°	1404	1400	1398	1397	1400	647
35°	1226	1221	1219	1219	1220	766
45°	1000	997	997	995	995	772
55°	738	732	728	725	724	659
65°	439	427	418	415	418	436
75°	200	200	195	190	191	217
85°	48	49	48	48	46	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1570.5	1570.5	1570.5	1570.5	1570.5
2.5°	1575.8	1570.5	1568.7	1567.8	1571.8
5°	1572.3	1566.5	1565.2	1564.3	1568.3
7.5°	1564.3	1558.9	1557.1	1556.7	1560.7
10°	1553.1	1547.8	1545.6	1544.7	1548.7
12.5°	1538.9	1533.1	1530.9	1530.0	1533.5
15°	1518.4	1513.5	1511.7	1511.3	1515.3
17.5°	1496.2	1491.3	1490.4	1489.0	1493.0
20°	1469.4	1464.6	1463.2	1461.4	1465.4
22.5°	1440.1	1434.3	1432.5	1431.2	1434.3
25°	1404.5	1399.6	1398.2	1396.9	1400.0
27.5°	1365.3	1361.7	1359.9	1358.6	1360.4
30°	1324.3	1318.1	1315.9	1315.0	1317.7
32.5°	1277.1	1272.7	1269.6	1269.1	1272.2
35°	1225.9	1220.6	1219.3	1219.3	1220.2
37.5°	1171.6	1169.0	1166.7	1165.4	1168.1
40°	1116.0	1115.1	1110.2	1109.8	1111.1
42.5°	1061.2	1057.7	1054.1	1055.9	1056.8
45°	1000.3	996.7	996.7	995.4	995.4
47.5°	941.5	937.9	933.0	933.5	934.4
50°	877.8	873.4	868.0	871.2	865.8
52.5°	812.8	804.8	800.8	800.8	800.4
55°	738.1	731.8	728.3	725.2	724.3
57.5°	665.9	656.6	647.7	648.6	651.7
60°	584.0	579.6	567.1	568.0	568.5
62.5°	510.1	501.7	488.8	488.8	493.2
65°	438.9	426.9	418.4	415.3	418.4
67.5°	369.0	362.4	355.2	350.3	354.8
70°	304.5	300.9	293.4	288.5	291.1
72.5°	252.0	247.1	240.8	238.2	235.5
75°	199.9	199.9	195.4	190.1	191.0
77.5°	157.6	156.2	153.1	150.9	150.9
80°	120.6	119.3	115.7	114.8	113.5
82.5°	83.2	83.7	81.9	80.6	78.8
85°	48.1	49.0	48.5	48.5	45.9
87.5°	20.5	18.7	20.0	19.6	21.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)