

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: P738358

Luminaire Tested: **22PT-50-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738358
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-50-PW1-L950
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

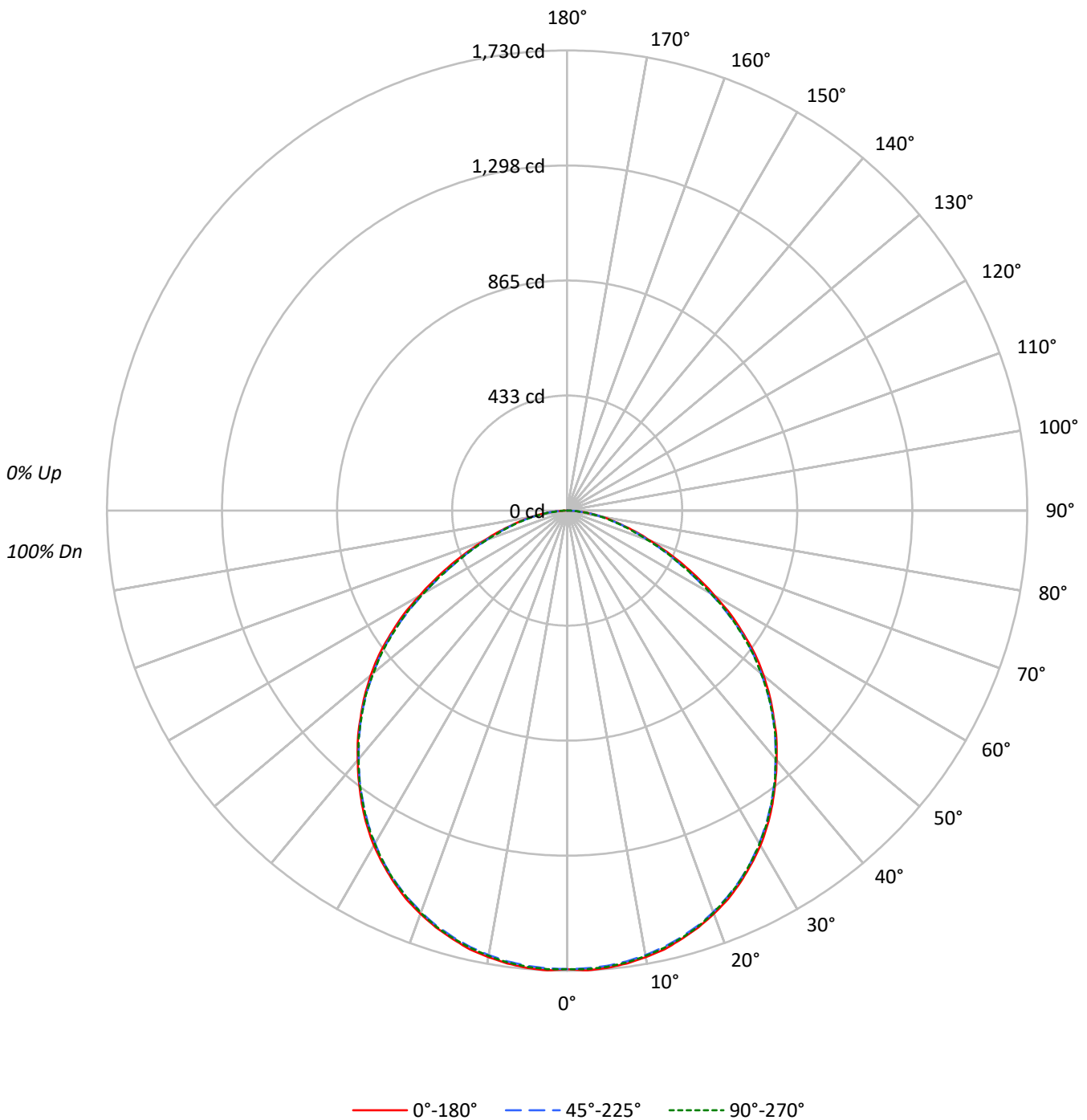
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4490.0 lumens
Efficiency: N/A
Efficacy: 114.2 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): 39.3
Input Voltage (V): NR
Input Current (A_{in}): 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: P738358
CATALOG NUMBER: 22PT-50-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°	5052	5052	5052
5°	5077	5054	5064
10°	5073	5048	5058
15°	5056	5034	5046
20°	5030	5009	5016
25°	4985	4963	4969
30°	4919	4888	4894
35°	4814	4788	4791
40°	4686	4662	4666
45°	4550	4534	4528
50°	4393	4344	4333
55°	4139	4084	4062
60°	3758	3649	3657
65°	3340	3185	3185
70°	2864	2759	2738
75°	2484	2428	2373
80°	2234	2145	2102
85°	1775	1792	1691



TEST NUMBER: P738358

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	3.6
10°-20°	468.8	10.4
20°-30°	707.3	15.8
30°-40°	837.7	18.7
40°-50°	843.3	18.8
50°-60°	713.0	15.9
60°-70°	463.7	10.3
70°-80°	230.7	5.1
80°-90°	62.2	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°	1339.5	29.8
0°-40°	2177.2	48.5
0°-60°	3733.5	83.2
0°-90°	4490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4490.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1724	1724	1724	1724	1724	
5°	1726	1720	1718	1717	1722	164
15°	1667	1662	1660	1659	1664	470
25°	1542	1536	1535	1534	1537	710
35°	1346	1340	1338	1338	1340	841
45°	1098	1094	1094	1093	1093	847
55°	810	803	800	796	795	723
65°	482	469	459	456	459	478
75°	219	219	214	209	210	238
85°	53	54	53	53	50	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1724.1	1724.1	1724.1	1724.1	1724.1
2.5°	1730.0	1724.1	1722.1	1721.2	1725.6
5°	1726.0	1719.7	1718.2	1717.2	1721.6
7.5°	1717.2	1711.4	1709.4	1708.9	1713.3
10°	1705.0	1699.2	1696.7	1695.7	1700.1
12.5°	1689.4	1683.0	1680.6	1679.6	1683.5
15°	1666.9	1661.5	1659.6	1659.1	1663.5
17.5°	1642.5	1637.1	1636.1	1634.7	1639.1
20°	1613.2	1607.8	1606.3	1604.4	1608.8
22.5°	1580.9	1574.6	1572.6	1571.1	1574.6
25°	1541.8	1536.4	1535.0	1533.5	1536.9
27.5°	1498.8	1494.9	1492.9	1491.5	1493.4
30°	1453.8	1447.0	1444.6	1443.6	1446.5
32.5°	1402.0	1397.2	1393.7	1393.2	1396.7
35°	1345.8	1340.0	1338.5	1338.5	1339.5
37.5°	1286.2	1283.3	1280.9	1279.4	1282.3
40°	1225.1	1224.2	1218.8	1218.3	1219.8
42.5°	1165.0	1161.1	1157.2	1159.2	1160.1
45°	1098.1	1094.2	1094.2	1092.7	1092.7
47.5°	1033.6	1029.7	1024.3	1024.8	1025.8
50°	963.7	958.8	952.9	956.4	950.5
52.5°	892.3	883.5	879.1	879.1	878.7
55°	810.2	803.4	799.5	796.1	795.1
57.5°	731.1	720.8	711.0	712.0	715.4
60°	641.2	636.3	622.6	623.6	624.1
62.5°	560.0	550.8	536.6	536.6	541.5
65°	481.8	468.7	459.4	455.9	459.4
67.5°	405.1	397.8	390.0	384.6	389.5
70°	334.3	330.4	322.0	316.7	319.6
72.5°	276.6	271.2	264.4	261.4	258.5
75°	219.4	219.4	214.5	208.7	209.6
77.5°	173.0	171.5	168.1	165.7	165.7
80°	132.4	131.0	127.1	126.1	124.6
82.5°	91.4	91.9	89.9	88.5	86.5
85°	52.8	53.8	53.3	53.3	50.3
87.5°	22.5	20.5	22.0	21.5	23.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)