

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: P738270

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

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
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: -

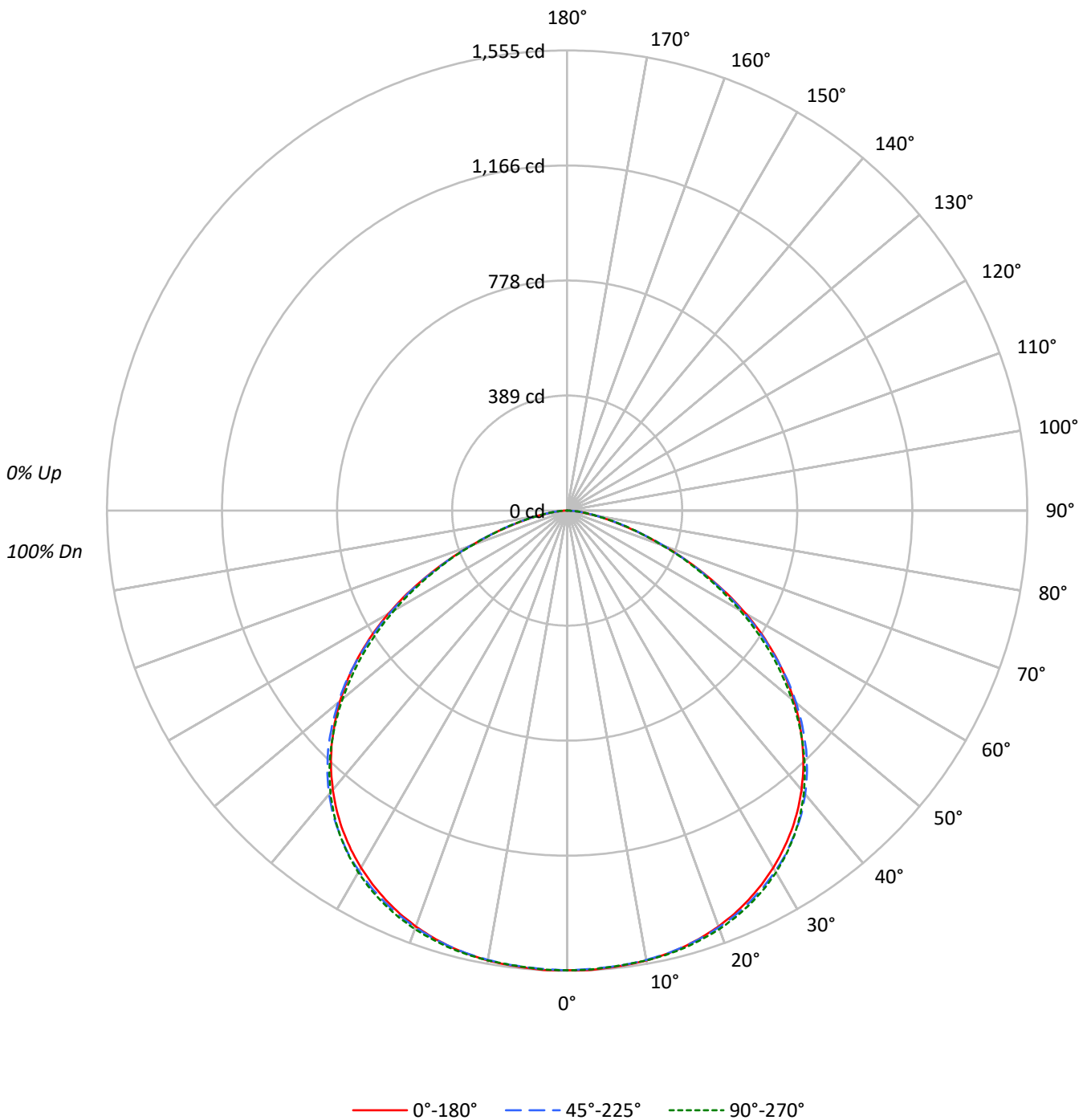
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4490.0 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	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	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	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°	4551	4551	4551
5°	4564	4557	4559
10°	4594	4587	4592
15°	4629	4628	4641
20°	4663	4674	4693
25°	4692	4719	4740
30°	4715	4760	4777
35°	4726	4787	4790
40°	4712	4788	4761
45°	4665	4732	4675
50°	4570	4603	4519
55°	4393	4373	4291
60°	4089	4043	3959
65°	3606	3571	3503
70°	2954	2968	2906
75°	2237	2313	2295
80°	1622	1686	1659
85°	1062	1103	1177



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.7	3.3
10°-20°	431.4	9.6
20°-30°	672.6	15.0
30°-40°	833.6	18.6
40°-50°	872.3	19.4
50°-60°	760.1	16.9
60°-70°	509.2	11.3
70°-80°	220.7	4.9
80°-90°	42.5	0.9
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°	1251.7	27.9
0°-40°	2085.2	46.4
0°-60°	3717.6	82.8
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°	1553	1553	1553	1553	1553	
5°	1552	1550	1549	1549	1550	148
15°	1526	1524	1526	1527	1530	431
25°	1451	1452	1460	1464	1466	669
35°	1321	1326	1338	1340	1339	826
45°	1126	1132	1142	1132	1128	867
55°	860	859	856	847	840	766
65°	520	517	515	510	505	515
75°	198	201	204	203	203	218
85°	32	34	33	33	35	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1553.3	1553.3	1553.3	1553.3	1553.3
2.5°	1554.9	1552.1	1551.6	1551.6	1553.3
5°	1551.6	1549.9	1549.3	1548.9	1549.9
7.5°	1548.3	1546.1	1546.7	1545.5	1546.7
10°	1543.9	1541.7	1541.7	1541.7	1543.3
12.5°	1536.1	1534.4	1535.0	1536.1	1538.3
15°	1526.0	1523.8	1525.6	1527.2	1530.0
17.5°	1512.1	1510.5	1513.3	1516.1	1518.3
20°	1495.6	1493.8	1498.9	1502.8	1505.1
22.5°	1475.0	1474.5	1481.1	1485.6	1487.2
25°	1451.2	1451.6	1459.5	1463.9	1466.1
27.5°	1423.9	1425.1	1435.1	1438.9	1441.2
30°	1393.5	1396.1	1406.8	1410.0	1411.8
32.5°	1358.9	1362.9	1375.6	1377.8	1377.8
35°	1321.3	1326.2	1338.4	1340.0	1339.0
37.5°	1279.1	1284.5	1298.4	1296.2	1294.6
40°	1231.9	1237.9	1251.8	1247.4	1244.7
42.5°	1181.4	1187.4	1199.7	1193.0	1189.1
45°	1125.9	1131.9	1142.0	1132.5	1128.1
47.5°	1065.8	1073.0	1078.1	1067.6	1062.0
50°	1002.6	1004.8	1009.9	997.6	991.4
52.5°	933.7	933.7	937.7	924.3	917.0
55°	859.9	859.3	856.1	846.6	840.0
57.5°	781.7	778.3	776.1	766.0	758.4
60°	697.8	692.8	690.0	681.8	675.6
62.5°	610.2	607.4	604.0	597.3	590.7
65°	520.1	517.3	515.1	510.2	505.2
67.5°	430.8	429.1	429.1	425.8	425.2
70°	344.8	345.8	346.4	346.4	339.2
72.5°	267.0	267.6	270.4	268.2	267.6
75°	197.6	201.0	204.3	202.7	202.7
77.5°	142.1	147.2	147.2	146.0	144.4
80°	96.1	98.3	99.9	99.3	98.3
82.5°	61.1	62.7	61.1	62.1	62.7
85°	31.6	33.8	32.8	33.4	35.0
87.5°	10.5	11.7	12.3	11.7	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)