

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: P738243

Luminaire Tested: **22PT-50-PL1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PL1-L930
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

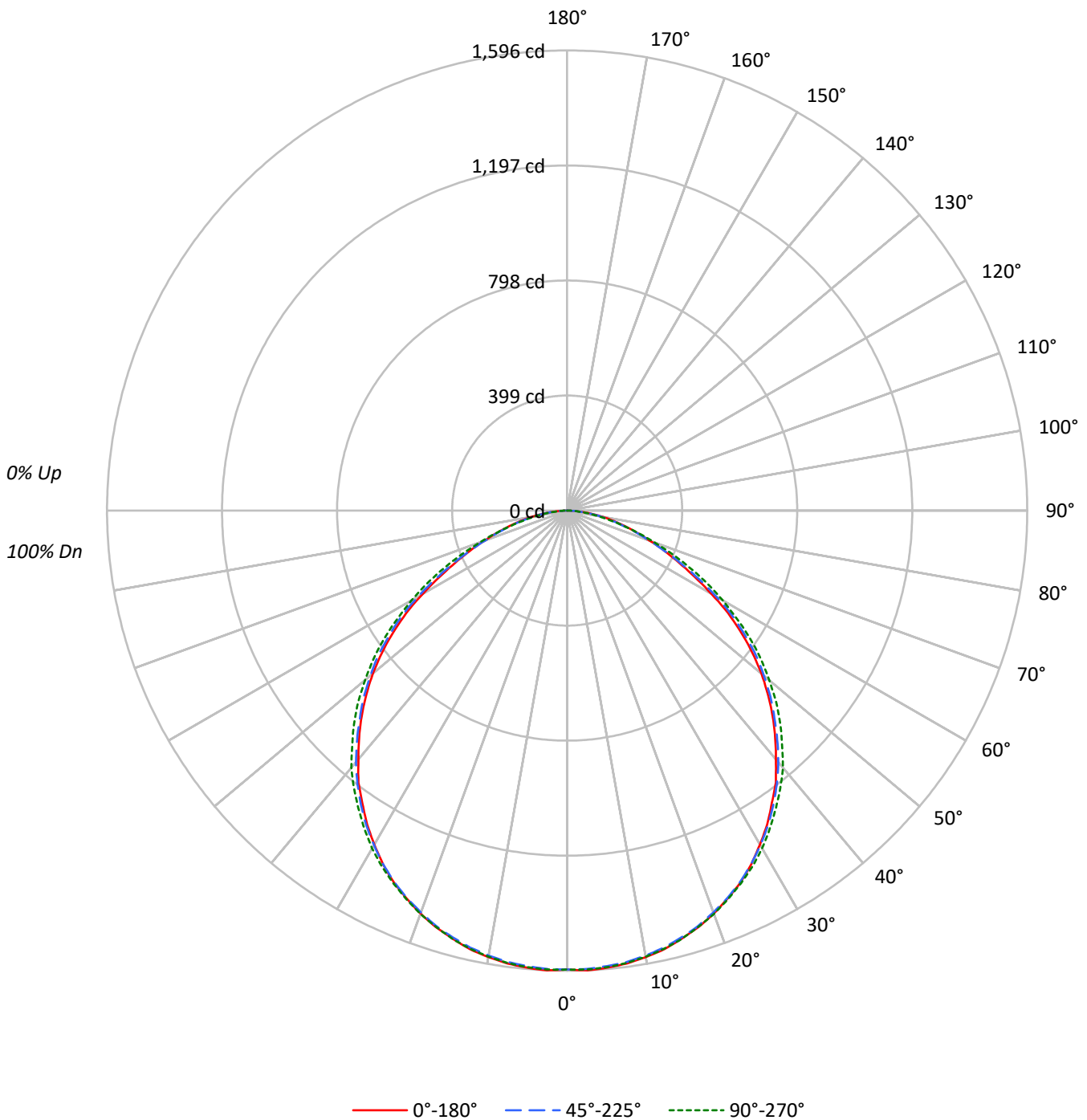
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4194.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 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_{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

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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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	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°	4664	4664	4664
5°	4682	4664	4676
10°	4678	4662	4674
15°	4662	4648	4664
20°	4638	4623	4642
25°	4601	4592	4612
30°	4525	4534	4577
35°	4429	4460	4513
40°	4308	4357	4455
45°	4176	4213	4332
50°	4011	4060	4170
55°	3766	3842	3962
60°	3387	3501	3650
65°	2967	3027	3254
70°	2604	2582	2748
75°	2342	2244	2252
80°	2102	1989	1773
85°	1667	1644	1351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.0	3.6
10°-20°	432.9	10.3
20°-30°	654.8	15.6
30°-40°	780.7	18.6
40°-50°	788.2	18.8
50°-60°	672.4	16.0
60°-70°	441.9	10.5
70°-80°	216.4	5.2
80°-90°	55.8	1.3
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°	1238.7	29.5
0°-40°	2019.4	48.1
0°-60°	3480.0	83.0
0°-90°	4194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4194.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1592	1592	1592	1592	1592	
5°	1592	1588	1586	1586	1590	151
15°	1537	1534	1532	1533	1538	434
25°	1423	1420	1420	1422	1426	655
35°	1238	1242	1247	1256	1262	775
45°	1008	1010	1017	1037	1045	776
55°	737	741	752	770	776	656
65°	428	428	437	457	469	428
75°	207	205	198	197	199	222
85°	50	50	49	45	40	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1591.8	1591.8	1591.8	1591.8	1591.8
2.5°	1596.5	1593.2	1591.2	1589.8	1593.2
5°	1591.8	1588.5	1585.8	1585.8	1589.8
7.5°	1584.5	1581.1	1579.1	1578.4	1582.4
10°	1572.4	1568.4	1567.0	1566.4	1571.1
12.5°	1558.3	1552.3	1552.3	1551.6	1556.3
15°	1536.9	1534.2	1532.2	1532.9	1537.6
17.5°	1514.8	1512.1	1510.8	1510.8	1513.5
20°	1487.4	1484.0	1482.7	1484.0	1488.7
22.5°	1455.9	1453.9	1453.9	1455.2	1458.6
25°	1423.1	1419.7	1420.4	1422.4	1426.4
27.5°	1382.9	1382.2	1382.2	1386.9	1391.6
30°	1337.3	1337.3	1340.0	1346.7	1352.7
32.5°	1291.1	1290.5	1295.8	1301.9	1308.5
35°	1238.2	1241.6	1246.9	1255.6	1261.7
37.5°	1188.7	1188.0	1194.7	1210.1	1214.1
40°	1126.4	1131.1	1139.1	1154.5	1164.6
42.5°	1068.1	1071.5	1078.8	1096.9	1103.6
45°	1007.9	1010.5	1016.6	1036.7	1045.4
47.5°	944.2	947.6	956.3	973.0	983.1
50°	880.0	884.6	890.7	906.7	914.8
52.5°	809.6	815.7	826.4	841.1	847.1
55°	737.3	741.3	752.0	769.5	775.5
57.5°	661.6	665.0	680.4	693.1	697.8
60°	577.9	581.9	597.4	617.4	622.8
62.5°	498.9	502.3	515.7	539.8	547.8
65°	427.9	427.9	436.6	456.7	469.4
67.5°	365.0	363.6	365.0	380.4	393.8
70°	304.0	304.7	301.4	310.7	320.8
72.5°	253.8	253.8	247.1	248.4	256.5
75°	206.9	204.9	198.2	196.9	198.9
77.5°	165.4	162.1	156.7	152.7	148.0
80°	124.6	121.9	117.9	111.8	105.1
82.5°	87.1	84.4	81.7	78.4	71.7
85°	49.6	49.6	48.9	44.9	40.2
87.5°	20.1	19.4	18.8	18.1	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)