

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: P738355

Luminaire Tested: **22PT-50-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738355
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-L930
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

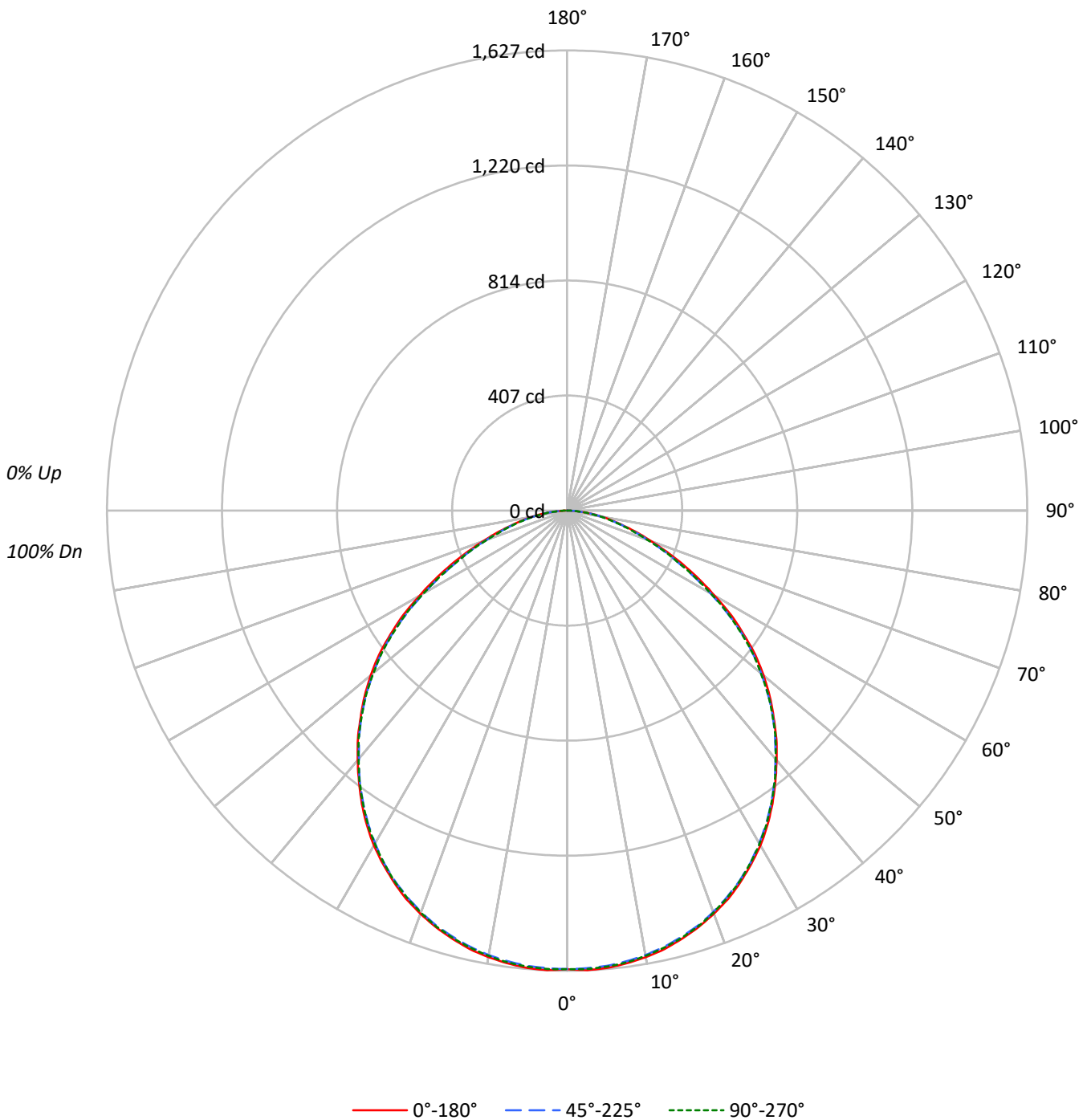
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4222.0 lumens
Efficiency: N/A
Efficacy: 107.4 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

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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		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°	4750	4750	4750
5°	4774	4752	4762
10°	4770	4747	4757
15°	4755	4734	4745
20°	4730	4710	4717
25°	4687	4666	4672
30°	4625	4596	4602
35°	4527	4502	4505
40°	4406	4383	4387
45°	4278	4263	4258
50°	4131	4085	4074
55°	3892	3841	3819
60°	3533	3431	3439
65°	3141	2994	2994
70°	2693	2594	2574
75°	2336	2283	2231
80°	2101	2016	1978
85°	1667	1684	1590



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	3.6
10°-20°	440.8	10.4
20°-30°	665.0	15.8
30°-40°	787.7	18.7
40°-50°	792.9	18.8
50°-60°	670.5	15.9
60°-70°	436.0	10.3
70°-80°	216.9	5.1
80°-90°	58.5	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°	1259.6	29.8
0°-40°	2047.2	48.5
0°-60°	3510.6	83.2
0°-90°	4222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4222.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1621	1621	1621	1621	1621	
5°	1623	1617	1616	1615	1619	154
15°	1567	1562	1560	1560	1564	442
25°	1450	1445	1443	1442	1445	668
35°	1266	1260	1259	1259	1260	791
45°	1032	1029	1029	1028	1028	797
55°	762	755	752	749	748	680
65°	453	441	432	429	432	450
75°	206	206	202	196	197	224
85°	50	50	50	50	47	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1621.2	1621.2	1621.2	1621.2	1621.2
2.5°	1626.7	1621.2	1619.3	1618.4	1622.6
5°	1623.0	1617.0	1615.7	1614.7	1618.9
7.5°	1614.7	1609.2	1607.4	1606.9	1611.1
10°	1603.3	1597.7	1595.4	1594.5	1598.7
12.5°	1588.6	1582.6	1580.3	1579.4	1583.0
15°	1567.4	1562.4	1560.5	1560.1	1564.2
17.5°	1544.4	1539.4	1538.5	1537.1	1541.2
20°	1516.9	1511.8	1510.4	1508.6	1512.7
22.5°	1486.5	1480.6	1478.7	1477.4	1480.6
25°	1449.8	1444.7	1443.3	1442.0	1445.2
27.5°	1409.3	1405.7	1403.8	1402.5	1404.3
30°	1367.1	1360.6	1358.3	1357.4	1360.2
32.5°	1318.4	1313.8	1310.5	1310.1	1313.3
35°	1265.5	1260.0	1258.6	1258.6	1259.5
37.5°	1209.5	1206.7	1204.4	1203.0	1205.8
40°	1152.0	1151.1	1146.0	1145.6	1147.0
42.5°	1095.5	1091.8	1088.1	1090.0	1090.9
45°	1032.5	1028.9	1028.9	1027.5	1027.5
47.5°	971.9	968.2	963.2	963.6	964.5
50°	906.2	901.6	896.1	899.3	893.8
52.5°	839.1	830.8	826.7	826.7	826.2
55°	761.9	755.4	751.8	748.6	747.6
57.5°	687.4	677.8	668.6	669.5	672.7
60°	602.9	598.3	585.4	586.3	586.8
62.5°	526.6	517.9	504.6	504.6	509.1
65°	453.1	440.7	431.9	428.7	431.9
67.5°	380.9	374.0	366.7	361.6	366.2
70°	314.3	310.6	302.8	297.8	300.5
72.5°	260.1	255.0	248.6	245.8	243.1
75°	206.3	206.3	201.7	196.2	197.1
77.5°	162.7	161.3	158.1	155.8	155.8
80°	124.5	123.2	119.5	118.6	117.2
82.5°	85.9	86.4	84.6	83.2	81.3
85°	49.6	50.5	50.1	50.1	47.3
87.5°	21.1	19.3	20.7	20.2	22.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)