

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: P738254

Luminaire Tested: **22PT-50-PP3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PP3-L950
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

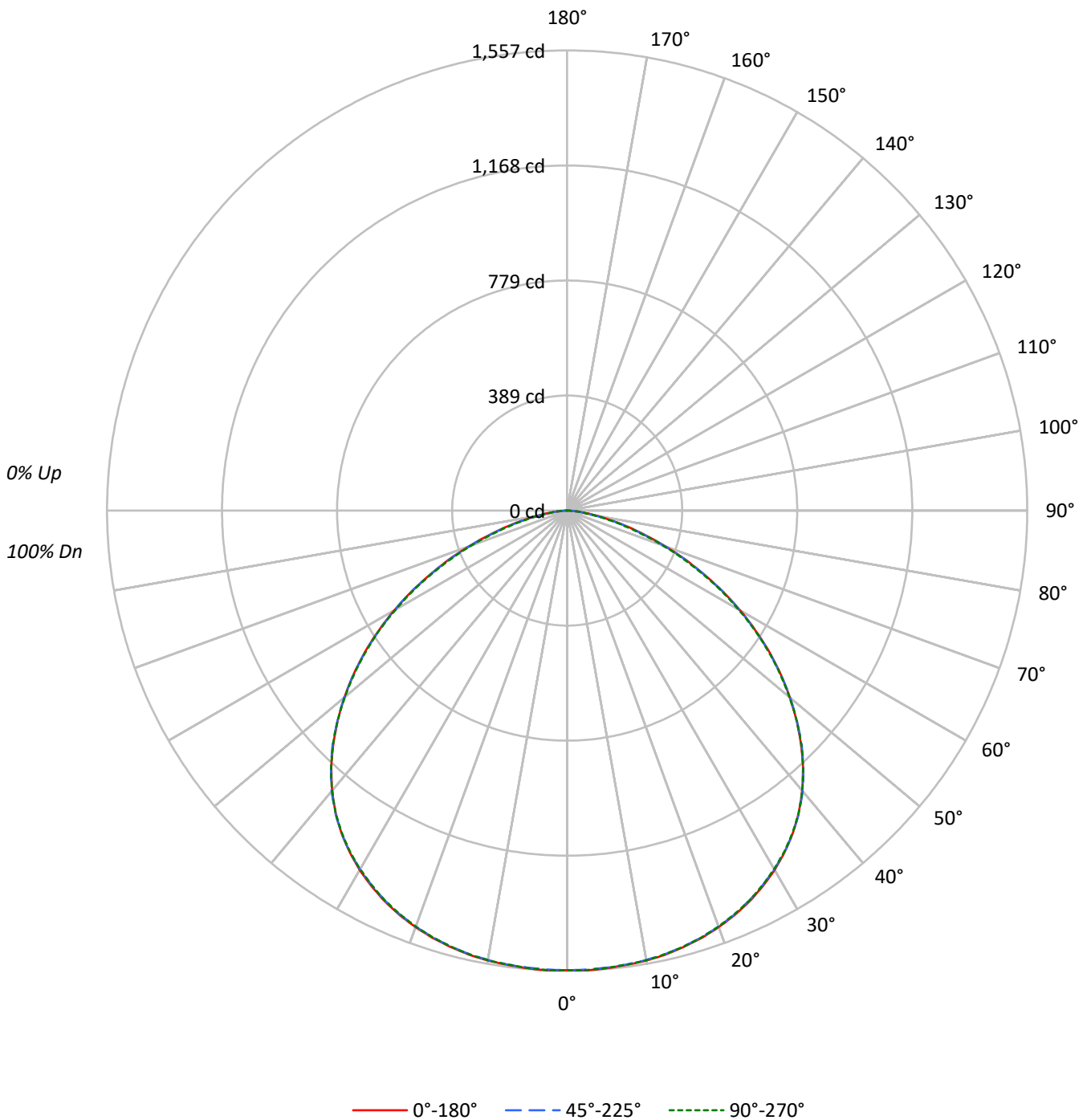
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4462.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
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	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	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	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	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°	4557	4557	4557
5°	4571	4565	4568
10°	4599	4593	4596
15°	4636	4631	4631
20°	4676	4671	4670
25°	4718	4709	4709
30°	4751	4742	4740
35°	4764	4764	4758
40°	4733	4743	4733
45°	4639	4652	4645
50°	4484	4490	4478
55°	4268	4257	4249
60°	3963	3953	3922
65°	3539	3536	3496
70°	3025	3007	2940
75°	2410	2339	2269
80°	1718	1684	1595
85°	1116	1116	1083



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	3.3
10°-20°	431.4	9.7
20°-30°	671.8	15.1
30°-40°	831.4	18.6
40°-50°	862.1	19.3
50°-60°	743.1	16.7
60°-70°	505.2	11.3
70°-80°	226.1	5.1
80°-90°	43.0	1.0
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°	1251.1	28.0
0°-40°	2082.5	46.7
0°-60°	3687.7	82.6
0°-90°	4462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4462.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1555	1555	1555	1555	1555	
5°	1554	1551	1552	1552	1553	148
15°	1528	1526	1527	1526	1527	432
25°	1459	1457	1457	1456	1457	673
35°	1332	1330	1332	1330	1330	832
45°	1120	1119	1123	1120	1121	862
55°	836	832	833	832	832	745
65°	510	515	510	508	504	507
75°	213	214	207	206	200	229
85°	33	34	33	32	32	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1555.2	1555.2	1555.2	1555.2	1555.2
2.5°	1557.3	1554.1	1554.1	1554.7	1556.3
5°	1554.1	1551.1	1552.1	1551.5	1553.1
7.5°	1550.1	1547.4	1549.0	1547.9	1549.0
10°	1545.8	1543.2	1543.8	1543.2	1544.8
12.5°	1538.6	1535.5	1536.5	1536.5	1537.1
15°	1528.2	1525.6	1526.6	1525.6	1526.6
17.5°	1515.7	1512.6	1513.2	1512.6	1513.7
20°	1499.7	1497.6	1498.1	1497.1	1497.6
22.5°	1481.5	1478.9	1479.4	1478.4	1478.4
25°	1459.2	1457.0	1456.6	1456.0	1456.6
27.5°	1433.1	1430.6	1430.6	1430.1	1430.1
30°	1404.1	1401.5	1401.5	1400.9	1400.9
32.5°	1369.8	1368.8	1369.3	1368.3	1367.7
35°	1331.9	1330.3	1331.9	1329.9	1330.3
37.5°	1287.8	1285.7	1288.8	1286.8	1287.2
40°	1237.4	1236.4	1240.0	1238.4	1237.4
42.5°	1181.3	1181.3	1182.9	1183.4	1182.4
45°	1119.6	1118.6	1122.6	1120.0	1121.0
47.5°	1053.0	1051.6	1054.6	1054.1	1053.6
50°	983.6	982.4	985.0	982.4	982.4
52.5°	911.3	910.8	911.3	908.7	908.1
55°	835.5	832.4	833.4	831.8	831.8
57.5°	756.5	752.9	753.5	752.9	753.5
60°	676.2	675.0	674.5	671.9	669.3
62.5°	593.6	594.6	594.0	590.4	587.8
65°	510.4	514.6	510.0	508.4	504.2
67.5°	432.1	433.5	430.5	426.8	422.2
70°	353.1	356.2	351.0	347.3	343.2
72.5°	277.9	279.9	275.2	273.2	268.0
75°	212.9	213.5	206.6	205.6	200.4
77.5°	151.6	153.6	148.5	148.5	143.3
80°	101.8	105.4	99.8	98.2	94.5
82.5°	63.9	64.4	62.8	61.3	59.7
85°	33.2	34.2	33.2	32.2	32.2
87.5°	12.5	13.0	12.5	11.9	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)