

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: P738253

Luminaire Tested: **22PT-50-PP3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738253
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-L940
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

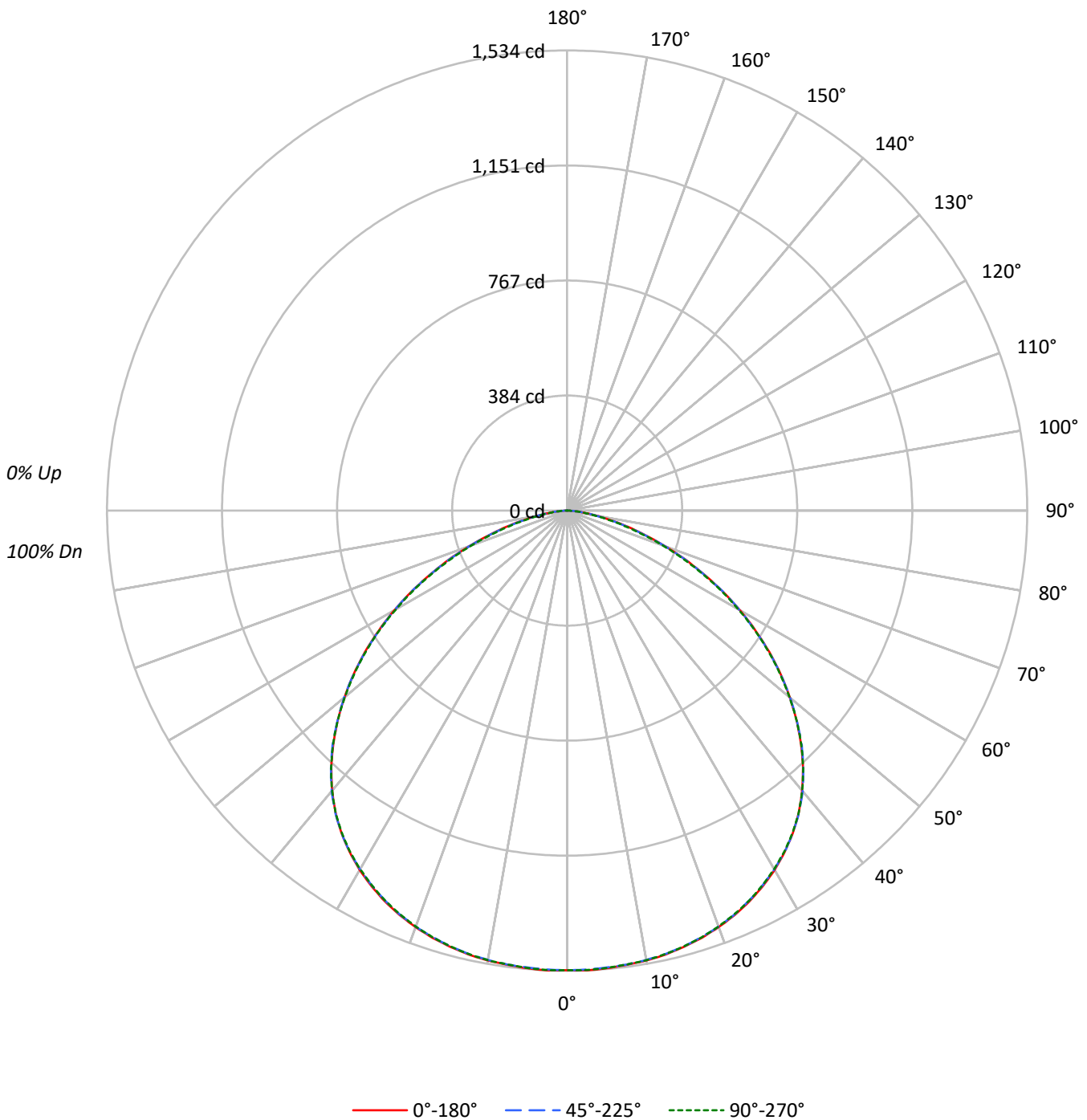
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4396.0 lumens
Efficiency: N/A
Efficacy: 111.9 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 (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	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°	4489	4489	4489
5°	4504	4497	4500
10°	4531	4525	4528
15°	4567	4562	4562
20°	4607	4602	4601
25°	4648	4639	4639
30°	4681	4672	4670
35°	4694	4694	4688
40°	4663	4673	4663
45°	4571	4583	4577
50°	4417	4424	4412
55°	4205	4195	4186
60°	3903	3895	3864
65°	3487	3483	3444
70°	2980	2962	2897
75°	2375	2305	2235
80°	1692	1659	1571
85°	1099	1099	1066



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	3.3
10°-20°	425.0	9.7
20°-30°	661.8	15.1
30°-40°	819.1	18.6
40°-50°	849.4	19.3
50°-60°	732.1	16.7
60°-70°	497.7	11.3
70°-80°	222.7	5.1
80°-90°	42.4	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°	1232.6	28.0
0°-40°	2051.7	46.7
0°-60°	3633.1	82.6
0°-90°	4396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1532	1532	1532	1532	1532	
5°	1531	1528	1529	1529	1530	146
15°	1506	1503	1504	1503	1504	426
25°	1438	1436	1435	1434	1435	663
35°	1312	1311	1312	1310	1311	820
45°	1103	1102	1106	1104	1104	849
55°	823	820	821	820	820	734
65°	503	507	502	501	497	499
75°	210	210	204	203	197	226
85°	33	34	33	32	32	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1532.2	1532.2	1532.2	1532.2	1532.2
2.5°	1534.3	1531.2	1531.2	1531.7	1533.3
5°	1531.2	1528.1	1529.1	1528.6	1530.1
7.5°	1527.1	1524.6	1526.1	1525.0	1526.1
10°	1523.0	1520.4	1521.0	1520.4	1522.0
12.5°	1515.8	1512.8	1513.8	1513.8	1514.4
15°	1505.6	1503.0	1504.0	1503.0	1504.0
17.5°	1493.3	1490.3	1490.8	1490.3	1491.3
20°	1477.5	1475.5	1475.9	1474.9	1475.5
22.5°	1459.6	1457.0	1457.6	1456.5	1456.5
25°	1437.6	1435.5	1435.0	1434.5	1435.0
27.5°	1411.9	1409.5	1409.5	1408.9	1408.9
30°	1383.4	1380.8	1380.8	1380.2	1380.2
32.5°	1349.5	1348.5	1349.1	1348.1	1347.5
35°	1312.2	1310.6	1312.2	1310.2	1310.6
37.5°	1268.7	1266.7	1269.7	1267.7	1268.2
40°	1219.1	1218.1	1221.7	1220.1	1219.1
42.5°	1163.9	1163.9	1165.4	1165.9	1164.9
45°	1103.0	1102.0	1106.0	1103.5	1104.5
47.5°	1037.5	1036.0	1039.0	1038.5	1038.0
50°	969.0	967.9	970.5	967.9	967.9
52.5°	897.9	897.3	897.9	895.3	894.7
55°	823.1	820.1	821.1	819.5	819.5
57.5°	745.3	741.8	742.3	741.8	742.3
60°	666.1	665.0	664.6	662.0	659.4
62.5°	584.8	585.8	585.2	581.6	579.1
65°	502.9	507.0	502.4	500.9	496.7
67.5°	425.7	427.1	424.1	420.5	415.9
70°	347.9	350.9	345.8	342.2	338.2
72.5°	273.7	275.8	271.2	269.2	264.0
75°	209.8	210.3	203.6	202.6	197.4
77.5°	149.4	151.4	146.3	146.3	141.2
80°	100.3	103.9	98.3	96.7	93.1
82.5°	63.0	63.4	61.8	60.4	58.8
85°	32.7	33.7	32.7	31.7	31.7
87.5°	12.3	12.8	12.3	11.8	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)