

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: P738357

Luminaire Tested: **22PT-50-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738357
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-L940
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

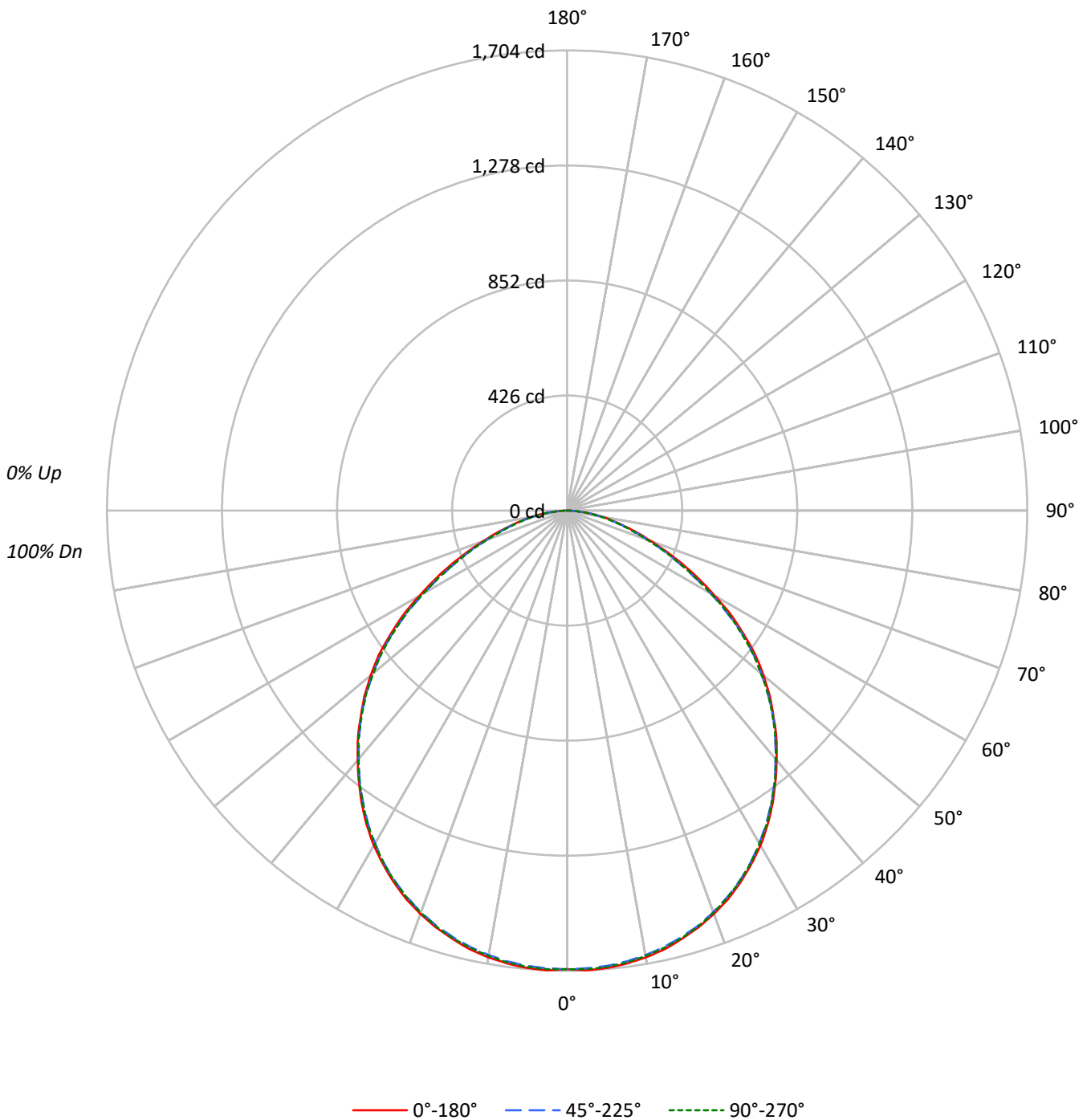
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4423.0 lumens
Efficiency: N/A
Efficacy: 112.5 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°	4976	4976	4976
5°	5001	4978	4988
10°	4997	4973	4983
15°	4981	4959	4971
20°	4955	4934	4942
25°	4910	4889	4895
30°	4846	4815	4821
35°	4742	4716	4720
40°	4616	4592	4596
45°	4482	4466	4460
50°	4327	4279	4268
55°	4078	4023	4001
60°	3701	3594	3602
65°	3291	3137	3137
70°	2821	2717	2697
75°	2446	2392	2338
80°	2202	2113	2072
85°	1748	1765	1667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	3.6
10°-20°	461.8	10.4
20°-30°	696.7	15.8
30°-40°	825.2	18.7
40°-50°	830.7	18.8
50°-60°	702.4	15.9
60°-70°	456.7	10.3
70°-80°	227.3	5.1
80°-90°	61.3	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°	1319.5	29.8
0°-40°	2144.7	48.5
0°-60°	3677.8	83.2
0°-90°	4423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4423.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1698	1698	1698	1698	1698	
5°	1700	1694	1693	1692	1696	162
15°	1642	1637	1635	1634	1639	463
25°	1519	1514	1512	1511	1514	699
35°	1326	1320	1318	1318	1320	829
45°	1082	1078	1078	1076	1076	835
55°	798	791	788	784	783	712
65°	475	462	452	449	452	471
75°	216	216	211	206	206	234
85°	52	53	52	52	50	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1698.4	1698.4	1698.4	1698.4	1698.4
2.5°	1704.1	1698.4	1696.4	1695.5	1699.8
5°	1700.3	1694.0	1692.6	1691.6	1696.0
7.5°	1691.6	1685.8	1683.9	1683.4	1687.8
10°	1679.6	1673.8	1671.4	1670.4	1674.8
12.5°	1664.2	1657.9	1655.5	1654.6	1658.4
15°	1642.0	1636.7	1634.8	1634.3	1638.7
17.5°	1618.0	1612.7	1611.7	1610.3	1614.6
20°	1589.1	1583.8	1582.3	1580.4	1584.8
22.5°	1557.3	1551.1	1549.1	1547.7	1551.1
25°	1518.8	1513.5	1512.1	1510.6	1514.0
27.5°	1476.4	1472.6	1470.7	1469.2	1471.1
30°	1432.2	1425.4	1423.0	1422.0	1424.9
32.5°	1381.1	1376.3	1372.9	1372.5	1375.8
35°	1325.8	1320.0	1318.5	1318.5	1319.5
37.5°	1267.0	1264.1	1261.7	1260.3	1263.2
40°	1206.9	1205.9	1200.6	1200.1	1201.6
42.5°	1147.6	1143.8	1139.9	1141.9	1142.8
45°	1081.7	1077.8	1077.8	1076.4	1076.4
47.5°	1018.2	1014.3	1009.0	1009.5	1010.4
50°	949.3	944.5	938.7	942.1	936.3
52.5°	879.0	870.4	866.0	866.0	865.5
55°	798.2	791.4	787.6	784.2	783.2
57.5°	720.2	710.1	700.4	701.4	704.8
60°	631.6	626.8	613.3	614.3	614.7
62.5°	551.7	542.5	528.6	528.6	533.4
65°	474.7	461.7	452.5	449.1	452.5
67.5°	399.1	391.9	384.2	378.9	383.7
70°	329.3	325.4	317.2	311.9	314.8
72.5°	272.5	267.2	260.4	257.5	254.7
75°	216.1	216.1	211.3	205.6	206.5
77.5°	170.4	169.0	165.6	163.2	163.2
80°	130.5	129.0	125.2	124.2	122.8
82.5°	90.0	90.5	88.6	87.1	85.2
85°	52.0	53.0	52.5	52.5	49.6
87.5°	22.1	20.2	21.7	21.2	23.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)