

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: P738590

Luminaire Tested: **24PT-50-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-50-PW1-L950
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

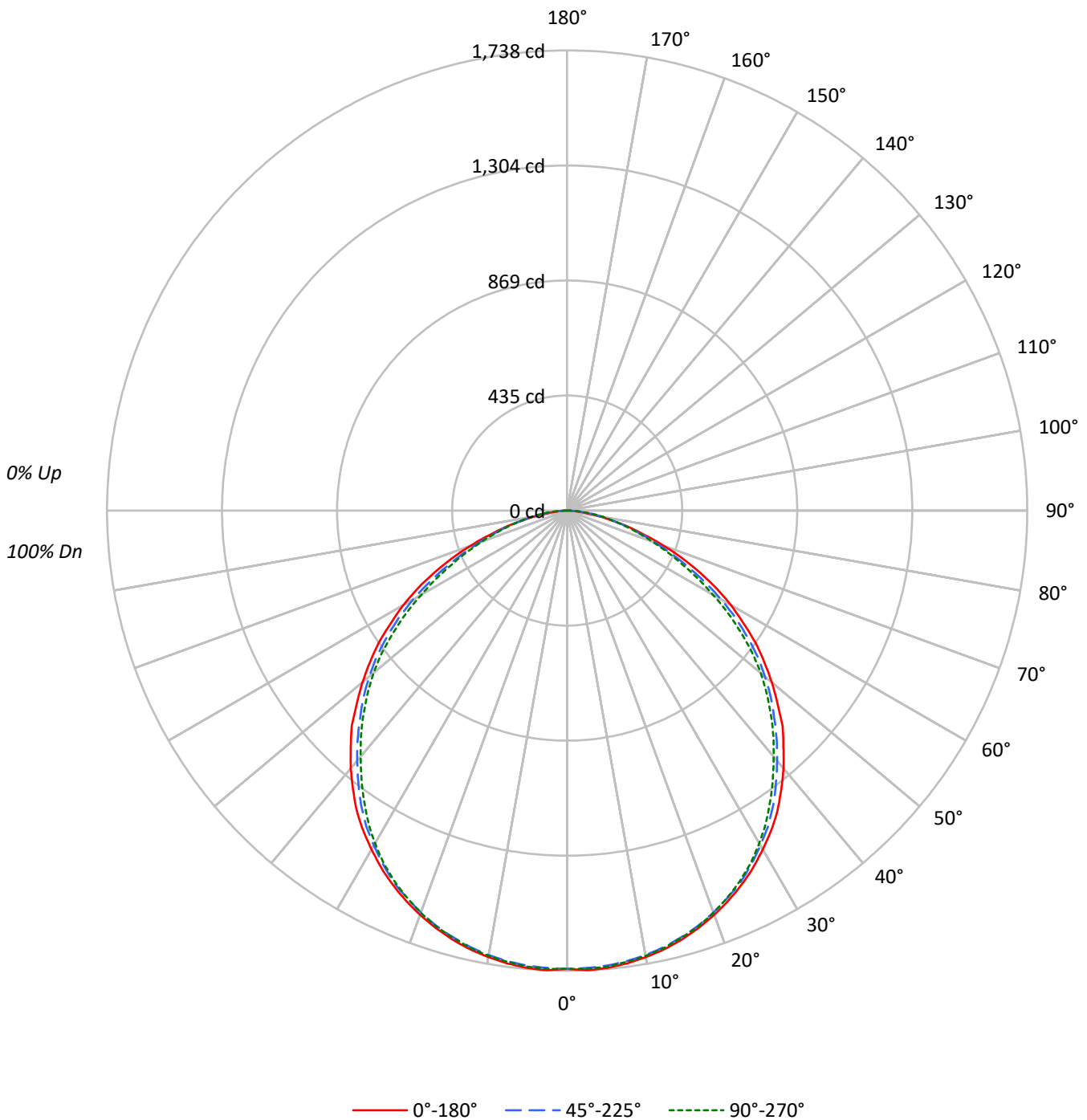
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4615.0 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2482	2482	2482
5°	2496	2483	2488
10°	2494	2482	2487
15°	2489	2476	2479
20°	2479	2465	2466
25°	2466	2452	2442
30°	2446	2418	2403
35°	2424	2375	2342
40°	2380	2310	2271
45°	2333	2242	2206
50°	2250	2174	2129
55°	2168	2075	2000
60°	2049	1923	1824
65°	1876	1713	1625
70°	1626	1485	1431
75°	1331	1281	1264
80°	971	1095	1128
85°	650	913	971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.2	3.6
10°-20°	471.2	10.2
20°-30°	713.2	15.5
30°-40°	848.6	18.4
40°-50°	857.2	18.6
50°-60°	741.7	16.1
60°-70°	506.7	11.0
70°-80°	249.7	5.4
80°-90°	62.4	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°	1348.6	29.2
0°-40°	2197.3	47.6
0°-60°	3796.2	82.3
0°-90°	4615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1731	1731	1731	1731	1731	
5°	1734	1727	1725	1724	1729	165
15°	1677	1671	1668	1667	1670	473
25°	1559	1553	1550	1544	1544	718
35°	1385	1374	1357	1342	1338	865
45°	1150	1131	1106	1093	1088	883
55°	867	855	830	813	800	772
65°	553	532	505	488	479	546
75°	240	233	231	230	228	257
85°	40	49	56	58	59	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1730.8	1730.8	1730.8	1730.8	1730.8
2.5°	1737.8	1731.3	1729.3	1727.8	1732.3
5°	1733.8	1727.3	1725.3	1723.8	1728.8
7.5°	1725.3	1718.8	1716.8	1715.3	1719.3
10°	1712.8	1706.8	1704.8	1703.3	1707.8
12.5°	1696.8	1691.3	1688.8	1686.8	1691.8
15°	1676.8	1671.3	1667.8	1666.8	1669.8
17.5°	1652.7	1647.2	1644.7	1643.2	1646.7
20°	1624.7	1618.7	1615.2	1613.2	1616.2
22.5°	1593.7	1587.7	1583.2	1581.2	1582.2
25°	1558.7	1552.7	1549.7	1543.7	1543.7
27.5°	1521.1	1514.1	1506.6	1500.1	1500.6
30°	1477.6	1469.6	1460.6	1452.1	1451.6
32.5°	1433.6	1423.6	1412.6	1401.1	1397.6
35°	1385.0	1373.5	1357.0	1342.0	1338.0
37.5°	1328.0	1317.5	1295.5	1283.0	1276.5
40°	1271.5	1256.4	1233.9	1219.4	1213.4
42.5°	1209.4	1194.9	1170.9	1157.4	1152.4
45°	1150.4	1130.9	1105.8	1093.3	1087.8
47.5°	1076.8	1060.8	1043.3	1028.8	1021.8
50°	1008.8	995.7	974.7	958.7	954.2
52.5°	937.7	926.7	906.7	885.7	880.7
55°	867.2	855.1	830.1	812.6	800.1
57.5°	787.6	777.1	753.6	731.1	720.0
60°	714.5	696.5	670.5	646.0	636.0
62.5°	635.0	617.5	587.4	562.4	556.9
65°	552.9	531.9	504.9	488.4	478.9
67.5°	469.9	449.3	426.8	416.3	410.3
70°	387.8	371.3	354.3	346.8	341.3
72.5°	308.7	299.2	289.7	286.7	281.7
75°	240.2	233.2	231.2	229.7	228.2
77.5°	173.1	176.6	178.6	180.6	178.6
80°	117.6	125.1	132.6	136.6	136.6
82.5°	72.6	85.6	92.1	96.1	95.6
85°	39.5	49.0	55.5	57.5	59.0
87.5°	16.0	20.0	22.5	24.5	25.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)