

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1192896

Luminaire Tested: 24PT-45-PB1-L950

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2202-549-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PT-45-PB1-L950
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

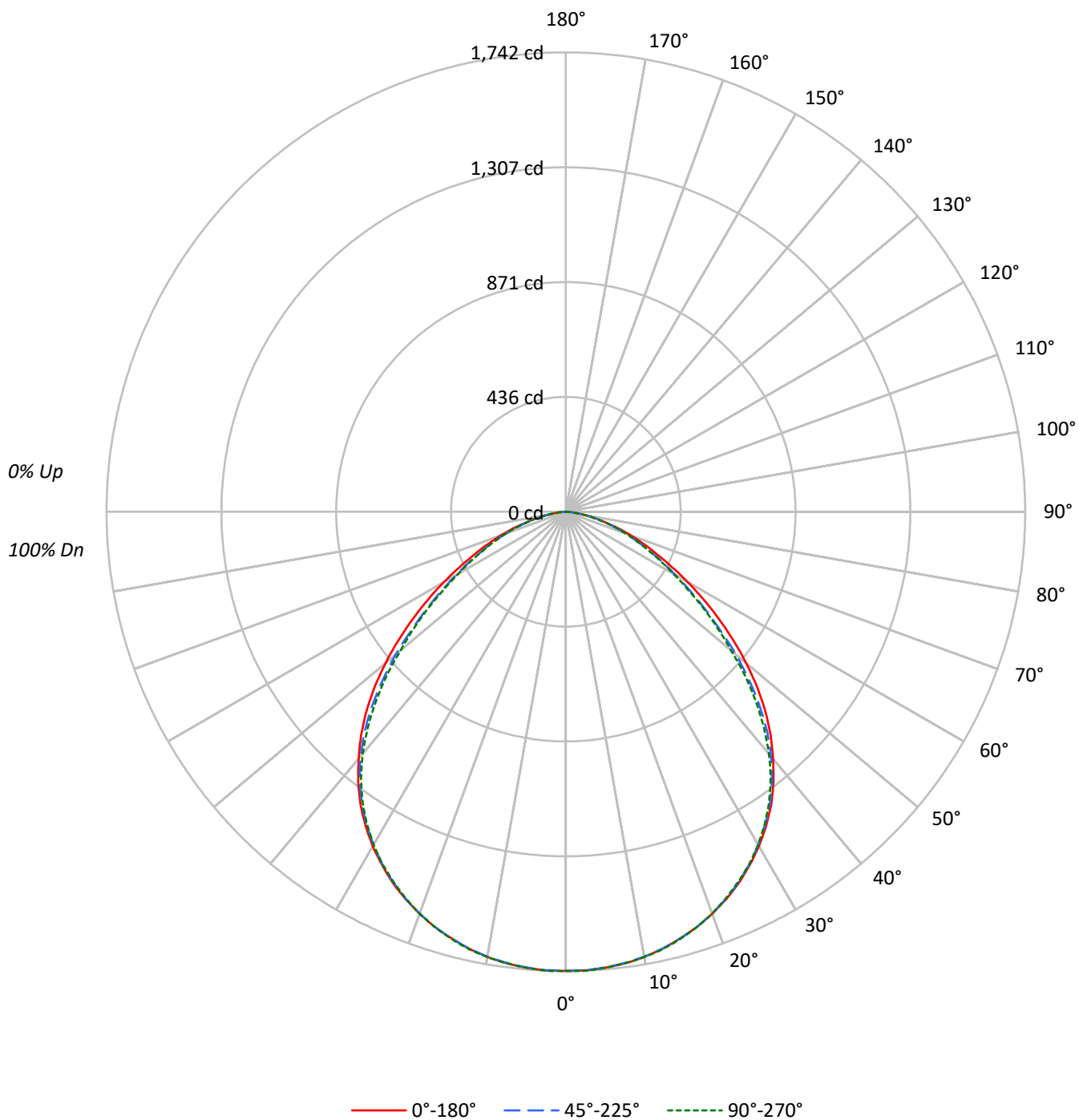
Lumens per Lamp: N/A
Luminaire Lumens: 4134.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92
2	101	94	88	83	99	92	86	82	88	84	80		85	81	78		82
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		74
4	86	75	66	60	83	73	66	60	71	64	59		69	63	58		66
5	79	67	59	53	77	66	58	52	64	57	52		62	56	51		60
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55
7	68	55	47	41	66	55	47	41	53	46	41		52	45	40		50
8	64	51	43	37	62	50	42	37	49	42	37		47	41	36		46
9	59	47	39	33	58	46	38	33	45	38	33		44	38	33		43
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2490	2490	2490
5°	2491	2490	2491
10°	2489	2487	2490
15°	2480	2480	2483
20°	2469	2467	2469
25°	2451	2445	2442
30°	2419	2410	2407
35°	2370	2356	2346
40°	2283	2261	2238
45°	2164	2100	2064
50°	1985	1873	1820
55°	1766	1609	1585
60°	1530	1375	1351
65°	1290	1179	1165
70°	1095	1009	1015
75°	860	822	830
80°	627	615	621
85°	382	405	405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2164 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.9	4.0
10°-20°	472.8	11.4
20°-30°	713.8	17.3
30°-40°	841.7	20.4
40°-50°	799.7	19.3
50°-60°	590.1	14.3
60°-70°	356.2	8.6
70°-80°	163.0	3.9
80°-90°	31.8	0.8
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°	1351.5	32.7
0°-40°	2193.2	53.1
0°-60°	3583.0	86.7
0°-90°	4134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4134.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1741	1741	1741	1741	1741	
5°	1735	1736	1734	1733	1735	165
15°	1675	1676	1675	1674	1677	473
25°	1553	1552	1550	1547	1548	715
35°	1358	1356	1349	1344	1344	846
45°	1070	1062	1038	1024	1020	821
55°	708	680	645	630	636	634
65°	381	369	348	342	344	383
75°	156	153	149	147	150	170
85°	23	24	25	24	25	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1740.9	1740.9	1740.9	1740.9	1740.9
2.5°	1740.9	1740.9	1739.6	1738.2	1742.3
5°	1735.4	1736.1	1734.1	1732.7	1735.4
7.5°	1727.2	1727.2	1725.2	1723.8	1726.5
10°	1714.2	1714.2	1712.8	1712.1	1714.9
12.5°	1697.0	1697.7	1696.4	1695.7	1699.1
15°	1675.1	1675.8	1675.1	1674.4	1677.2
17.5°	1651.8	1652.5	1651.1	1649.0	1651.8
20°	1622.3	1623.7	1620.9	1619.6	1622.3
22.5°	1589.4	1590.8	1588.0	1586.7	1586.7
25°	1553.1	1552.4	1549.6	1546.9	1547.6
27.5°	1510.5	1511.2	1507.1	1504.4	1506.4
30°	1464.6	1465.3	1459.1	1457.1	1457.7
32.5°	1413.2	1412.5	1407.0	1403.6	1403.6
35°	1357.6	1355.6	1349.4	1343.9	1343.9
37.5°	1293.2	1291.8	1285.0	1278.1	1276.0
40°	1222.6	1221.2	1210.9	1202.0	1198.6
42.5°	1149.9	1145.8	1129.3	1115.6	1112.2
45°	1069.7	1062.1	1038.1	1023.7	1020.3
47.5°	983.3	973.7	940.7	924.3	922.9
50°	892.1	874.9	842.0	820.8	818.0
52.5°	800.2	775.5	737.8	722.0	726.1
55°	708.3	679.5	645.2	630.1	635.6
57.5°	619.2	589.0	559.5	544.4	547.9
60°	534.8	508.8	480.7	468.3	472.4
62.5°	451.9	435.4	411.4	400.4	405.9
65°	381.2	368.9	348.3	341.5	344.2
67.5°	319.5	309.9	292.1	286.6	290.7
70°	261.9	255.1	241.4	239.3	242.7
72.5°	207.1	203.0	195.4	192.0	194.0
75°	155.6	152.9	148.8	146.7	150.2
77.5°	112.5	110.4	109.0	109.0	109.7
80°	76.1	75.4	74.7	74.1	75.4
82.5°	46.6	46.6	46.6	46.6	47.3
85°	23.3	24.0	24.7	24.0	24.7
87.5°	7.5	8.2	8.9	8.9	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)