

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: P1192895

Luminaire Tested: 24PT-45-PB1-L940

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192895
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-L940
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

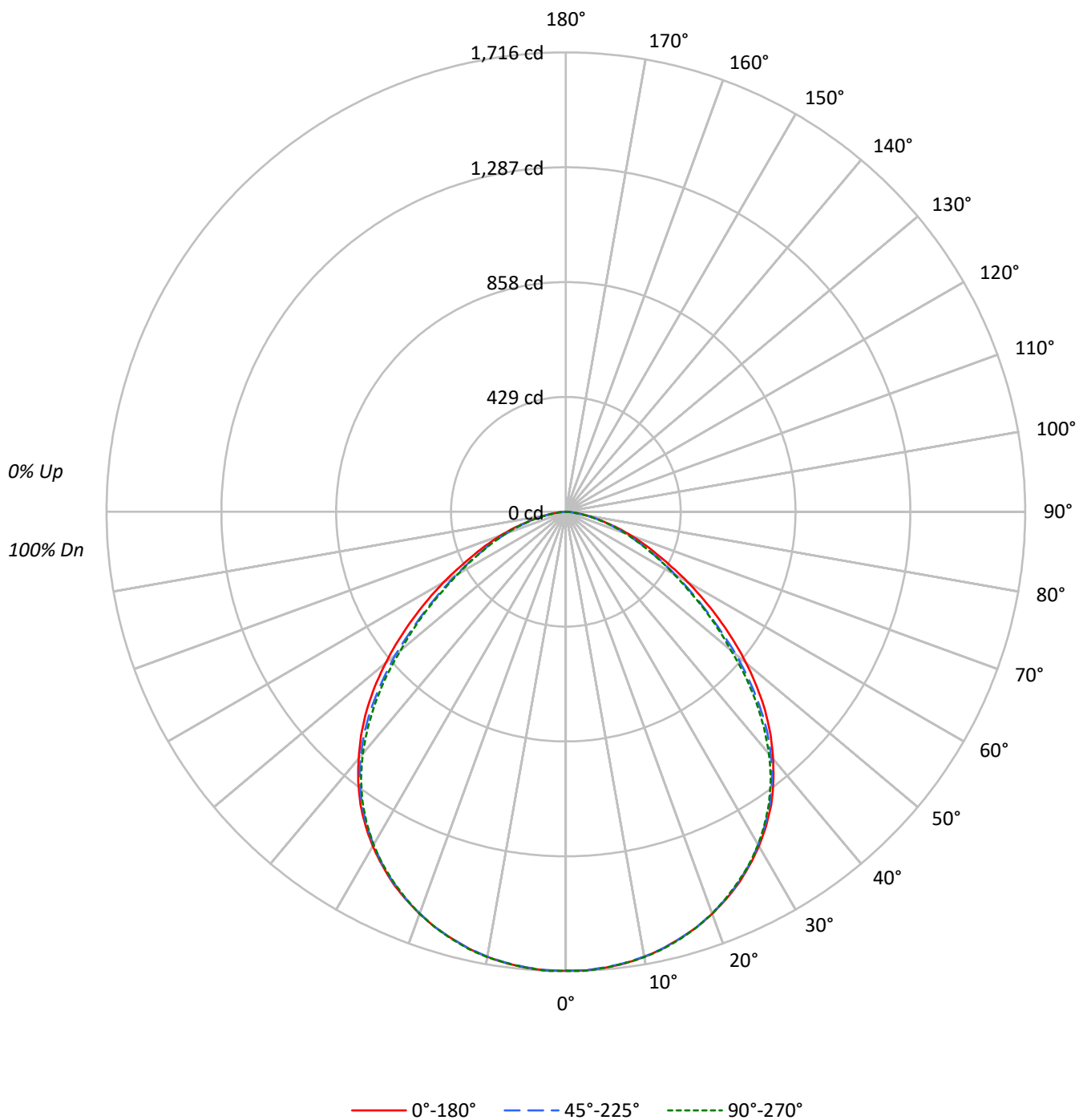
Lumens per Lamp: N/A
Luminaire Lumens: 4072.0 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	2452	2452	2452
5°	2454	2452	2454
10°	2452	2450	2453
15°	2443	2443	2446
20°	2432	2430	2432
25°	2414	2409	2406
30°	2382	2373	2371
35°	2335	2321	2311
40°	2248	2227	2204
45°	2131	2068	2033
50°	1955	1845	1793
55°	1740	1585	1561
60°	1507	1354	1331
65°	1271	1161	1147
70°	1079	994	1000
75°	847	810	817
80°	618	606	612
85°	377	399	399

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2131 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	4.0
10°-20°	465.7	11.4
20°-30°	703.1	17.3
30°-40°	829.0	20.4
40°-50°	787.7	19.3
50°-60°	581.2	14.3
60°-70°	350.8	8.6
70°-80°	160.6	3.9
80°-90°	31.3	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°	1331.2	32.7
0°-40°	2160.3	53.1
0°-60°	3529.2	86.7
0°-90°	4072.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4072.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1715	1715	1715	1715	1715	
5°	1709	1710	1708	1707	1709	163
15°	1650	1651	1650	1649	1652	466
25°	1530	1529	1526	1524	1524	704
35°	1337	1335	1329	1324	1324	834
45°	1054	1046	1022	1008	1005	809
55°	698	669	636	621	626	625
65°	376	363	343	336	339	377
75°	153	151	147	144	148	167
85°	23	24	24	24	24	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1714.8	1714.8	1714.8	1714.8	1714.8
2.5°	1714.8	1714.8	1713.5	1712.1	1716.2
5°	1709.4	1710.1	1708.1	1706.7	1709.4
7.5°	1701.3	1701.3	1699.3	1697.9	1700.6
10°	1688.5	1688.5	1687.1	1686.5	1689.2
12.5°	1671.6	1672.3	1670.9	1670.2	1673.6
15°	1650.0	1650.7	1650.0	1649.3	1652.0
17.5°	1627.0	1627.7	1626.3	1624.3	1627.0
20°	1598.0	1599.3	1596.6	1595.3	1598.0
22.5°	1565.6	1566.9	1564.2	1562.9	1562.9
25°	1529.8	1529.1	1526.4	1523.7	1524.4
27.5°	1487.9	1488.6	1484.5	1481.8	1483.8
30°	1442.6	1443.3	1437.2	1435.2	1435.9
32.5°	1392.0	1391.3	1385.9	1382.5	1382.5
35°	1337.3	1335.2	1329.2	1323.8	1323.8
37.5°	1273.8	1272.4	1265.7	1258.9	1256.9
40°	1204.2	1202.9	1192.7	1184.0	1180.6
42.5°	1132.6	1128.6	1112.4	1098.9	1095.5
45°	1053.6	1046.2	1022.5	1008.4	1005.0
47.5°	968.5	959.1	926.6	910.4	909.1
50°	878.7	861.8	829.4	808.4	805.7
52.5°	788.2	763.9	726.7	711.2	715.2
55°	697.7	669.3	635.5	620.7	626.1
57.5°	609.9	580.2	551.1	536.3	539.6
60°	526.8	501.1	473.4	461.3	465.3
62.5°	445.1	428.9	405.2	394.4	399.8
65°	375.5	363.4	343.1	336.3	339.0
67.5°	314.7	305.3	287.7	282.3	286.4
70°	258.0	251.2	237.7	235.7	239.1
72.5°	204.0	199.9	192.5	189.1	191.1
75°	153.3	150.6	146.6	144.5	147.9
77.5°	110.8	108.7	107.4	107.4	108.1
80°	75.0	74.3	73.6	72.9	74.3
82.5°	45.9	45.9	45.9	45.9	46.6
85°	23.0	23.6	24.3	23.6	24.3
87.5°	7.4	8.1	8.8	8.8	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)