

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: P1050513

Luminaire Tested: 24PTR-45-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-45-L930-UNV-STD-W
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

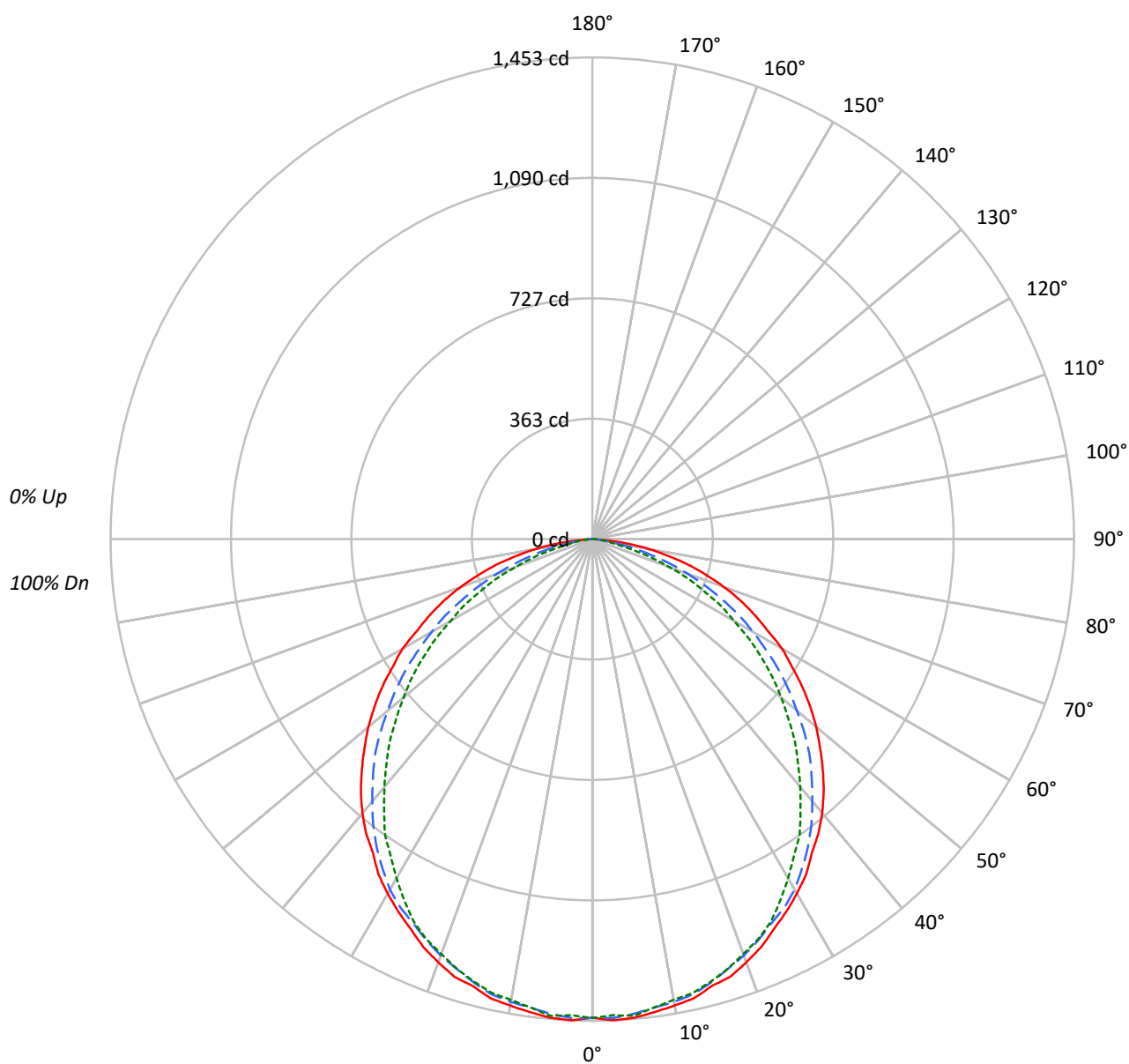
Lumens per Lamp: N/A
Luminaire Lumens: 3846.8 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1943	1943	1943
5°	1957	1941	1949
10°	1952	1937	1928
15°	1943	1928	1924
20°	1945	1914	1906
25°	1926	1898	1891
30°	1918	1896	1835
35°	1896	1862	1790
40°	1894	1813	1713
45°	1871	1766	1645
50°	1845	1687	1556
55°	1810	1608	1461
60°	1778	1505	1326
65°	1717	1380	1186
70°	1661	1201	968
75°	1561	948	666
80°	1353	573	400
85°	903	412	384

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1871 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.9	3.6
10°-20°	391.7	10.2
20°-30°	591.7	15.4
30°-40°	703.5	18.3
40°-50°	713.5	18.5
50°-60°	619.6	16.1
60°-70°	439.9	11.4
70°-80°	210.2	5.5
80°-90°	39.8	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°	1120.3	29.1
0°-40°	1823.8	47.4
0°-60°	3156.9	82.1
0°-90°	3846.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3846.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1444	1444	1444	1444	1444	
5°	1449	1444	1437	1441	1443	138
15°	1395	1399	1384	1382	1381	395
25°	1297	1295	1278	1283	1274	599
35°	1154	1153	1134	1095	1090	725
45°	983	974	928	879	864	758
55°	772	748	686	645	623	689
65°	539	499	434	387	372	534
75°	300	245	182	144	128	315
85°	58	31	27	26	25	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1444.2	1444.2	1444.2	1444.2	1444.2
2.5°	1452.8	1447.6	1445.9	1451.9	1437.3
5°	1449.3	1444.2	1437.3	1440.7	1443.3
7.5°	1439.0	1434.7	1425.2	1433.0	1425.2
10°	1428.7	1424.4	1417.5	1420.1	1411.5
12.5°	1418.4	1408.0	1406.3	1408.0	1402.0
15°	1395.1	1398.6	1384.0	1382.2	1381.4
17.5°	1384.0	1375.4	1359.9	1360.7	1359.0
20°	1358.2	1347.8	1336.7	1334.9	1331.5
22.5°	1331.5	1319.4	1309.1	1314.3	1306.5
25°	1297.1	1295.4	1278.2	1283.3	1273.9
27.5°	1267.0	1261.0	1253.2	1242.0	1228.3
30°	1234.3	1228.3	1220.5	1191.3	1181.0
32.5°	1199.9	1193.0	1177.5	1143.1	1131.9
35°	1154.3	1152.6	1133.7	1095.0	1089.8
37.5°	1119.9	1101.0	1085.5	1045.9	1031.3
40°	1078.6	1068.3	1032.2	994.3	975.4
42.5°	1033.0	1021.0	979.7	939.3	918.6
45°	983.1	974.5	928.1	879.1	864.4
47.5°	931.5	923.8	868.7	821.4	802.5
50°	881.6	872.2	805.9	760.4	743.2
52.5°	827.5	812.0	746.6	701.9	685.5
55°	771.5	748.3	685.5	645.1	622.7
57.5°	712.2	690.7	621.0	578.9	560.8
60°	660.6	630.5	559.1	516.1	492.9
62.5°	594.4	568.6	500.6	449.9	438.7
65°	539.3	498.9	433.5	387.1	372.4
67.5°	483.4	436.1	369.9	322.6	314.8
70°	422.3	373.3	305.3	258.9	246.0
72.5°	360.4	312.2	246.0	197.0	189.2
75°	300.2	245.1	182.3	144.5	128.2
77.5°	234.8	184.9	128.2	88.6	78.3
80°	174.6	124.7	74.0	52.5	51.6
82.5°	114.4	72.3	39.6	40.4	38.7
85°	58.5	31.0	26.7	25.8	24.9
87.5°	11.2	12.0	12.9	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)