

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: P1050976

Luminaire Tested: 24PTR-50-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-50-PR1-L930-UNV-STD-W
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

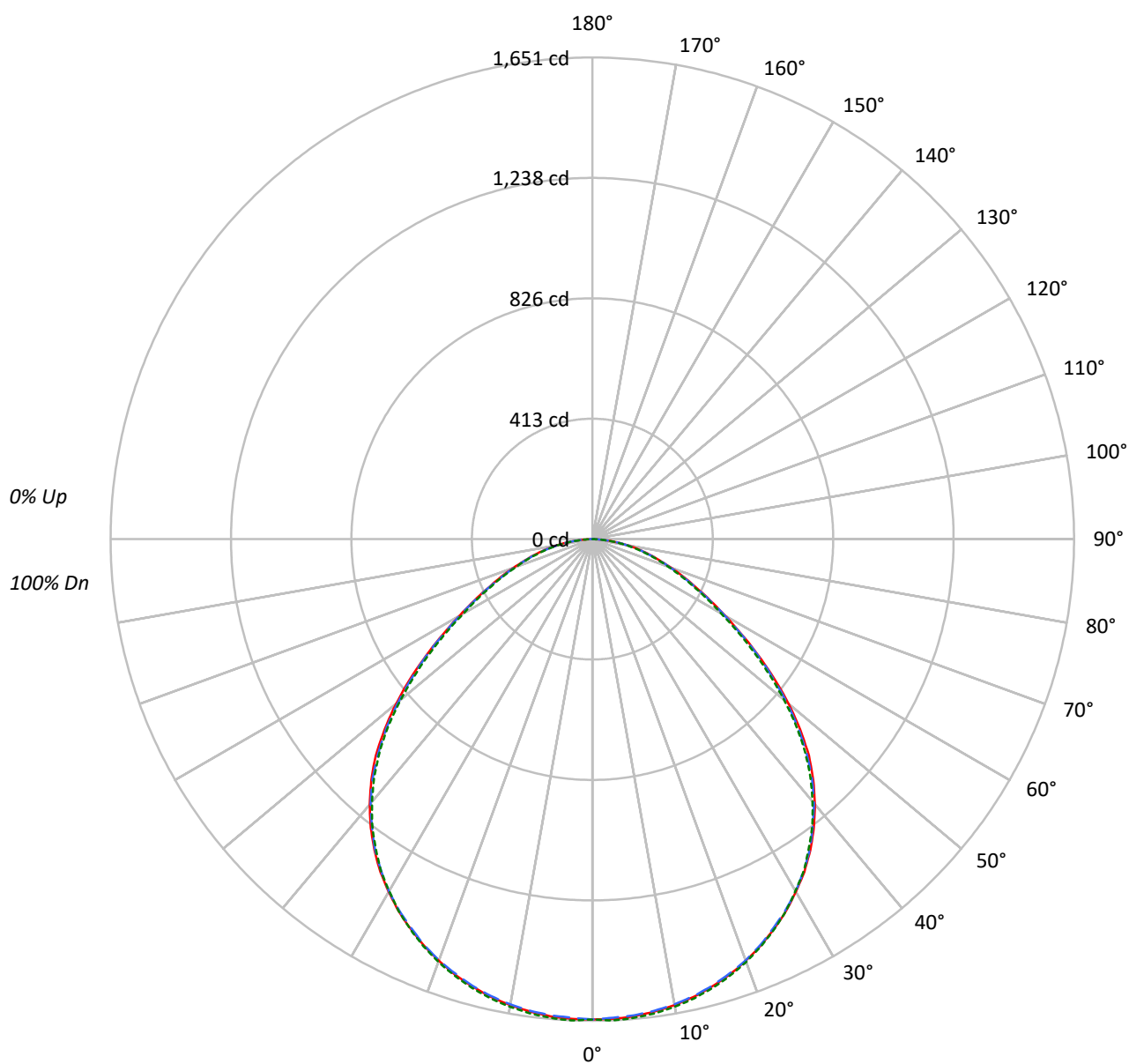
Lumens per Lamp: N/A
Luminaire Lumens: 4164.2 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2215	2215	2215
5°	2218	2213	2225
10°	2216	2212	2224
15°	2211	2208	2219
20°	2202	2200	2208
25°	2188	2182	2191
30°	2168	2166	2163
35°	2139	2134	2125
40°	2085	2076	2062
45°	1998	1975	1961
50°	1838	1817	1795
55°	1627	1620	1588
60°	1414	1408	1371
65°	1246	1238	1214
70°	1130	1114	1092
75°	1046	1022	1003
80°	955	942	910
85°	755	749	718

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1998 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.2	3.8
10°-20°	448.3	10.8
20°-30°	679.2	16.3
30°-40°	810.8	19.5
40°-50°	797.3	19.1
50°-60°	616.2	14.8
60°-70°	388.6	9.3
70°-80°	210.2	5.0
80°-90°	57.4	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°	1283.7	30.8
0°-40°	2094.4	50.3
0°-60°	3508.0	84.2
0°-90°	4164.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4164.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1647	1647	1647	1647	1647	
5°	1642	1642	1638	1645	1647	156
15°	1588	1588	1585	1590	1593	448
25°	1474	1475	1470	1475	1476	679
35°	1302	1302	1299	1297	1294	813
45°	1050	1046	1038	1030	1030	804
55°	694	699	690	679	677	622
65°	391	392	389	382	381	394
75°	201	199	197	198	193	214
85°	49	50	48	49	46	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1646.6	1646.6	1646.6	1646.6	1646.6
2.5°	1645.9	1646.6	1641.9	1649.6	1651.3
5°	1641.9	1642.5	1638.2	1645.3	1647.2
7.5°	1633.5	1634.8	1630.7	1637.8	1639.5
10°	1621.7	1623.0	1618.9	1626.0	1627.7
12.5°	1607.1	1607.6	1604.1	1610.6	1612.3
15°	1587.6	1588.1	1585.3	1590.4	1592.8
17.5°	1565.1	1565.8	1561.7	1568.1	1569.2
20°	1538.1	1538.5	1536.2	1541.5	1542.2
22.5°	1507.9	1509.1	1505.5	1510.2	1510.9
25°	1473.8	1474.8	1470.1	1474.8	1475.5
27.5°	1437.7	1438.2	1434.1	1437.7	1437.1
30°	1395.7	1399.4	1394.0	1392.7	1392.3
32.5°	1352.2	1352.6	1347.5	1346.2	1348.5
35°	1302.0	1302.4	1299.0	1297.3	1293.6
37.5°	1247.1	1247.1	1240.5	1239.4	1238.7
40°	1186.9	1186.2	1182.1	1178.1	1173.8
42.5°	1121.2	1122.5	1114.2	1107.1	1106.0
45°	1049.8	1045.8	1038.0	1029.9	1030.5
47.5°	965.6	966.6	956.1	949.5	947.8
50°	878.1	878.1	868.2	861.1	857.5
52.5°	786.7	787.4	777.9	768.5	766.6
55°	693.5	699.2	690.5	679.3	676.9
57.5°	606.2	610.9	602.5	590.7	590.1
60°	525.3	525.8	523.4	512.3	509.3
62.5°	456.3	453.3	452.0	446.2	442.6
65°	391.3	392.0	389.0	382.3	381.3
67.5°	338.8	338.2	332.8	328.7	326.4
70°	287.3	285.6	283.3	279.8	277.5
72.5°	241.4	241.4	239.5	238.4	234.4
75°	201.3	199.0	196.6	197.7	193.0
77.5°	163.0	160.6	158.7	156.3	155.2
80°	123.3	120.9	121.6	117.9	117.5
82.5°	85.6	85.6	84.5	81.5	82.1
85°	48.9	49.5	48.5	48.9	46.5
87.5°	17.8	18.2	19.5	18.2	18.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)