

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: P1050899

Luminaire Tested: 24PTR-50-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-50-PP3-L930-UNV-STD-W
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

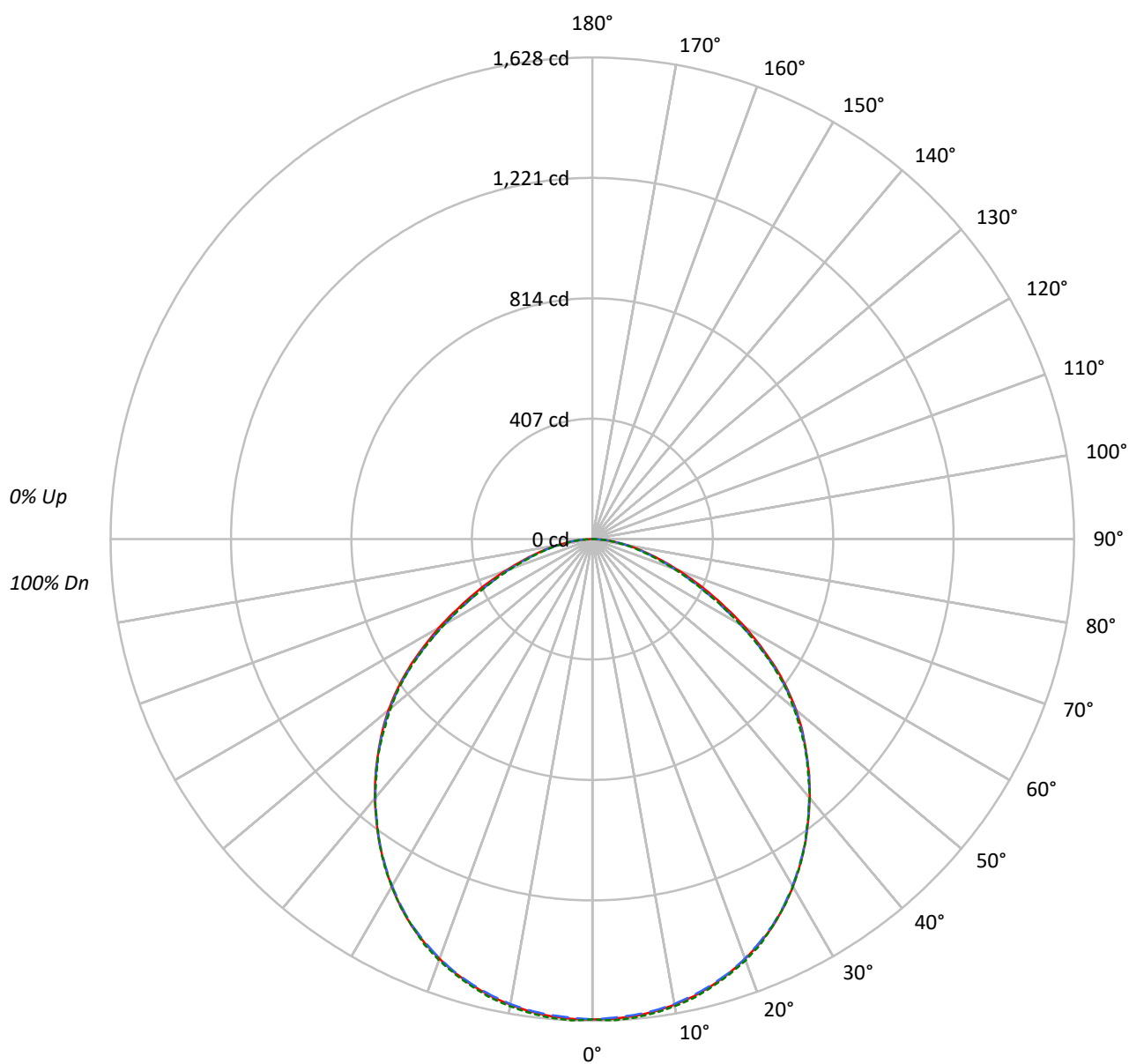
Lumens per Lamp: N/A
Luminaire Lumens: 4194.3 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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		100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2184	2184	2184
5°	2186	2181	2193
10°	2183	2180	2190
15°	2176	2172	2182
20°	2162	2160	2169
25°	2142	2139	2141
30°	2106	2102	2106
35°	2060	2058	2059
40°	2008	2001	2007
45°	1947	1942	1944
50°	1882	1873	1860
55°	1772	1751	1746
60°	1608	1554	1557
65°	1412	1342	1339
70°	1221	1166	1152
75°	1056	1017	995
80°	936	922	881
85°	773	800	753

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	3.7
10°-20°	441.0	10.5
20°-30°	664.0	15.8
30°-40°	783.7	18.7
40°-50°	788.2	18.8
50°-60°	665.4	15.9
60°-70°	427.3	10.2
70°-80°	212.5	5.1
80°-90°	58.2	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°	1259.0	30.0
0°-40°	2042.6	48.7
0°-60°	3496.2	83.4
0°-90°	4194.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4194.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1623	1623	1623	1623	1623	
5°	1619	1619	1615	1623	1624	154
15°	1562	1562	1559	1566	1566	441
25°	1443	1444	1441	1444	1442	664
35°	1254	1255	1253	1254	1254	784
45°	1023	1027	1020	1022	1022	790
55°	755	755	747	744	744	672
65°	444	437	421	417	421	442
75°	203	202	196	194	191	220
85°	50	52	52	49	49	59
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1623.3	1623.3	1623.3	1623.3	1623.3
2.5°	1622.7	1623.3	1619.0	1626.8	1628.0
5°	1618.6	1619.0	1615.0	1622.7	1623.8
7.5°	1610.3	1610.9	1607.3	1614.3	1615.6
10°	1597.8	1599.8	1595.5	1602.1	1603.2
12.5°	1582.6	1583.3	1579.0	1586.7	1588.0
15°	1562.1	1562.5	1559.1	1566.2	1566.2
17.5°	1538.3	1539.0	1536.6	1542.6	1542.0
20°	1509.6	1511.4	1508.4	1512.4	1514.8
22.5°	1478.4	1479.0	1475.4	1480.7	1483.1
25°	1443.1	1443.5	1440.7	1443.5	1442.4
27.5°	1401.7	1402.8	1398.7	1401.7	1402.4
30°	1355.7	1358.7	1352.9	1355.3	1355.7
32.5°	1306.2	1308.0	1303.9	1304.5	1307.5
35°	1254.4	1255.1	1252.7	1253.8	1253.8
37.5°	1198.5	1200.9	1197.3	1199.0	1196.6
40°	1143.1	1140.7	1139.5	1140.7	1142.5
42.5°	1084.6	1085.3	1083.6	1082.3	1079.5
45°	1023.4	1027.1	1020.4	1021.7	1021.7
47.5°	963.5	963.9	960.5	956.8	954.5
50°	899.2	899.2	894.9	892.2	888.5
52.5°	829.0	827.9	823.2	820.2	821.9
55°	755.4	754.7	746.6	743.6	744.2
57.5°	674.6	675.9	663.5	660.5	660.5
60°	597.6	591.6	577.4	573.4	578.5
62.5°	516.6	509.6	494.4	494.4	498.4
65°	443.6	437.2	421.4	417.1	420.7
67.5°	375.3	369.3	354.8	352.4	353.5
70°	310.4	305.3	296.3	291.0	292.9
72.5°	254.6	249.9	243.9	239.8	237.4
75°	203.2	202.1	195.7	193.8	191.4
77.5°	160.8	160.4	155.0	152.7	150.3
80°	120.8	120.1	119.0	115.4	113.7
82.5°	86.1	86.1	85.4	82.4	80.7
85°	50.1	51.8	51.8	48.8	48.8
87.5°	20.1	21.2	20.1	20.1	19.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)