

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: P1050679

Luminaire Tested: 24PTR-50-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-50-PC3-L935-UNV-STD-W
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

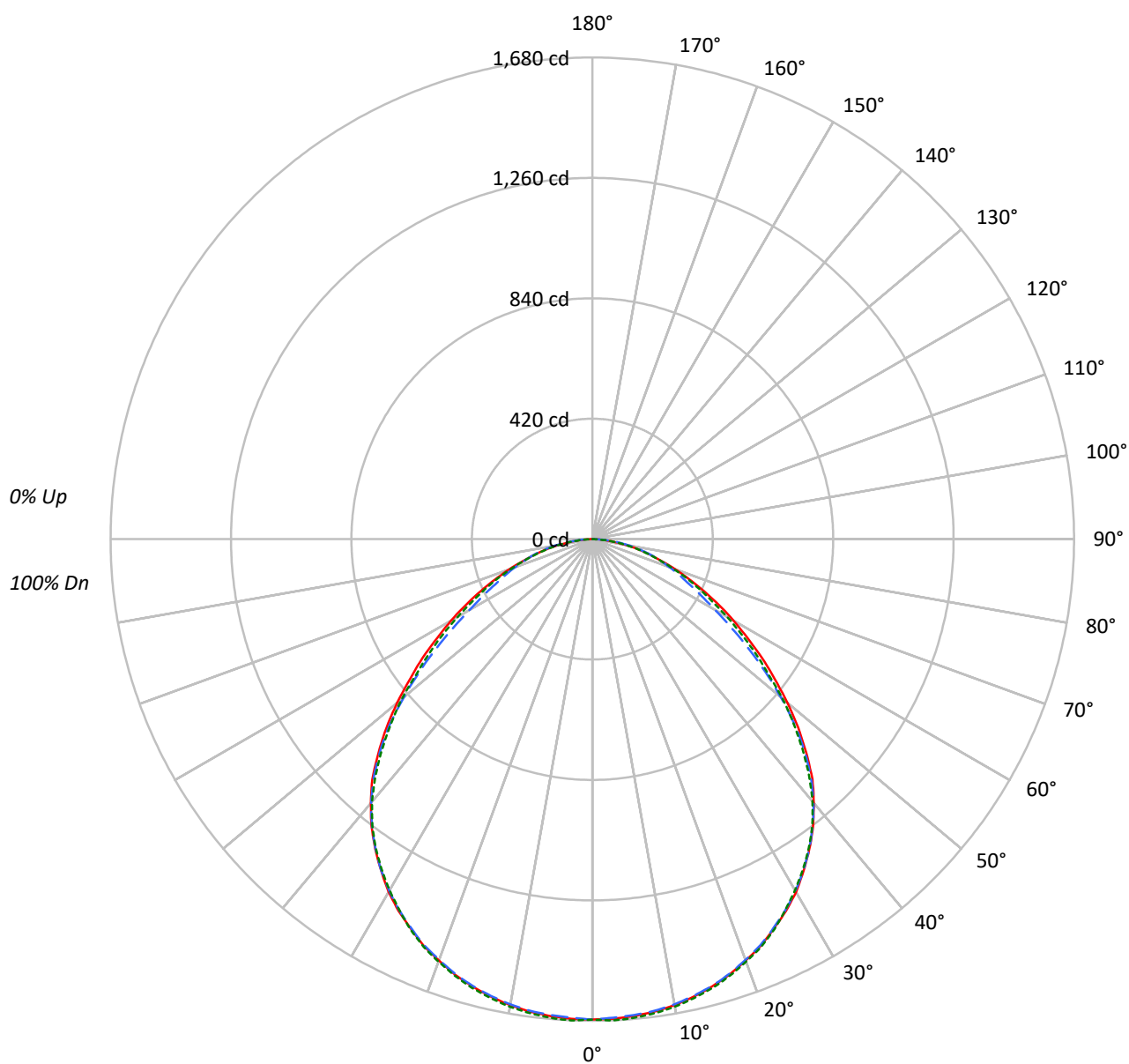
Lumens per Lamp: N/A
Luminaire Lumens: 4224.3 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2255	2255	2255
5°	2255	2251	2264
10°	2255	2251	2263
15°	2250	2247	2257
20°	2240	2236	2246
25°	2224	2221	2230
30°	2208	2200	2197
35°	2168	2166	2162
40°	2110	2107	2098
45°	2007	1992	1972
50°	1858	1795	1815
55°	1695	1558	1628
60°	1529	1329	1458
65°	1366	1189	1311
70°	1212	1125	1179
75°	1072	1090	1051
80°	924	1041	920
85°	693	823	693

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2012 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.9	3.8
10°-20°	456.2	10.8
20°-30°	690.6	16.3
30°-40°	823.4	19.5
40°-50°	804.6	19.0
50°-60°	615.2	14.6
60°-70°	395.0	9.4
70°-80°	219.8	5.2
80°-90°	60.7	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°	1305.7	30.9
0°-40°	2129.2	50.4
0°-60°	3548.9	84.0
0°-90°	4224.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4224.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1676	1676	1676	1676	1676	
5°	1670	1671	1667	1674	1676	159
15°	1615	1616	1613	1619	1620	456
25°	1498	1500	1496	1501	1502	691
35°	1320	1321	1318	1318	1316	824
45°	1055	1057	1047	1044	1036	812
55°	723	698	664	672	694	646
65°	429	396	373	386	412	428
75°	206	208	210	207	202	220
85°	45	53	53	52	45	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1675.6	1675.6	1675.6	1675.6	1675.6
2.5°	1674.5	1675.1	1670.8	1678.0	1680.4
5°	1669.7	1670.8	1666.7	1674.5	1676.2
7.5°	1662.5	1663.6	1659.5	1667.3	1668.0
10°	1650.5	1651.2	1647.5	1655.3	1656.4
12.5°	1634.4	1636.2	1632.0	1639.2	1639.7
15°	1615.0	1616.4	1613.3	1618.7	1620.5
17.5°	1592.4	1593.1	1590.0	1595.9	1596.5
20°	1564.1	1564.1	1561.7	1568.4	1568.4
22.5°	1535.3	1533.6	1533.0	1535.3	1539.1
25°	1498.3	1500.1	1495.9	1500.7	1501.8
27.5°	1462.4	1462.4	1458.7	1461.1	1458.0
30°	1421.0	1418.6	1416.2	1416.7	1413.8
32.5°	1371.2	1371.2	1370.1	1370.1	1366.4
35°	1319.8	1320.9	1318.5	1317.8	1316.1
37.5°	1264.5	1266.4	1262.1	1261.0	1259.7
40°	1201.5	1201.5	1199.8	1197.4	1194.4
42.5°	1136.2	1136.2	1128.6	1122.5	1118.4
45°	1054.8	1057.2	1046.9	1044.5	1036.3
47.5°	973.8	972.0	958.3	956.6	951.8
50°	887.5	877.3	857.7	862.9	867.3
52.5°	801.3	788.7	759.9	765.8	773.0
55°	722.7	697.7	664.1	672.4	694.0
57.5°	640.6	607.1	573.6	589.2	616.0
60°	568.1	530.4	493.9	510.6	541.8
62.5°	498.6	458.6	429.2	445.3	471.6
65°	429.2	396.1	373.4	385.9	411.8
67.5°	365.6	343.4	327.9	333.8	354.7
70°	308.1	294.2	285.9	287.6	299.6
72.5°	253.5	250.0	246.9	246.9	248.0
75°	206.2	208.0	209.7	206.9	202.1
77.5°	162.4	168.3	172.7	166.6	160.7
80°	119.3	128.9	134.4	127.6	118.7
82.5°	81.4	92.3	94.1	89.9	79.7
85°	44.9	52.7	53.3	51.6	44.9
87.5°	16.8	19.8	21.6	19.8	17.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)