

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: P1050668

Luminaire Tested: 24PTR-50-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050668
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-L930-UNV-STD-W
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

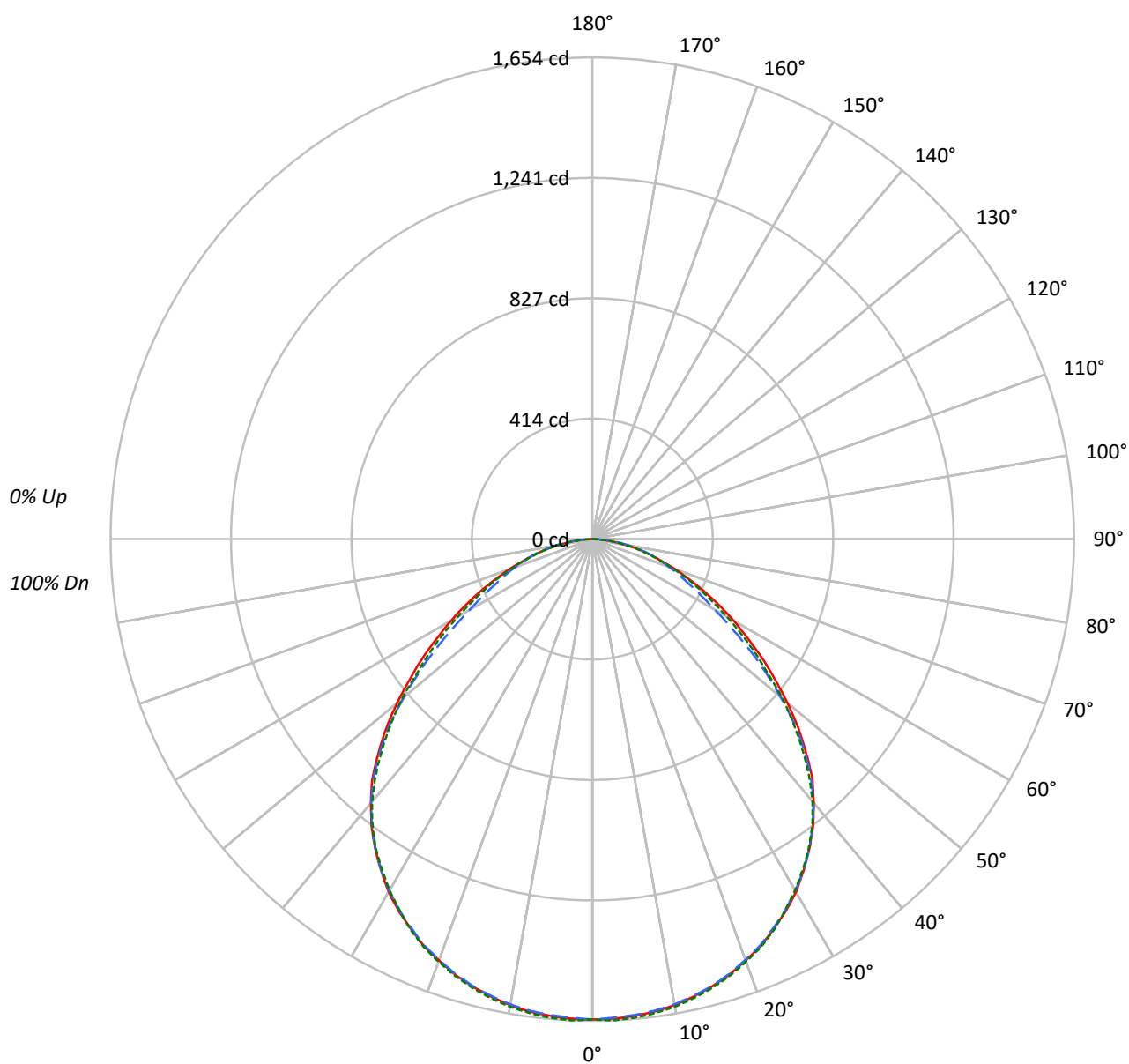
Lumens per Lamp: N/A
Luminaire Lumens: 4158.4 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2219	2219	2219
5°	2220	2216	2229
10°	2220	2216	2228
15°	2215	2212	2222
20°	2205	2201	2211
25°	2190	2186	2195
30°	2173	2166	2162
35°	2134	2132	2128
40°	2077	2074	2065
45°	1976	1961	1941
50°	1829	1767	1787
55°	1669	1534	1602
60°	1505	1308	1435
65°	1345	1170	1290
70°	1193	1107	1160
75°	1055	1073	1034
80°	910	1025	905
85°	682	810	682

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1980 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	3.8
10°-20°	449.0	10.8
20°-30°	679.9	16.3
30°-40°	810.6	19.5
40°-50°	792.0	19.0
50°-60°	605.6	14.6
60°-70°	388.8	9.3
70°-80°	216.3	5.2
80°-90°	59.7	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°	1285.4	30.9
0°-40°	2095.9	50.4
0°-60°	3493.5	84.0
0°-90°	4158.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4158.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1649	1649	1649	1649	1649	
5°	1644	1645	1641	1648	1650	156
15°	1590	1591	1588	1594	1595	449
25°	1475	1477	1473	1477	1478	680
35°	1299	1300	1298	1297	1296	812
45°	1038	1041	1031	1028	1020	799
55°	711	687	654	662	683	636
65°	422	390	368	380	405	421
75°	203	205	206	204	199	217
85°	44	52	52	51	44	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1649.4	1649.4	1649.4	1649.4	1649.4
2.5°	1648.3	1649.0	1644.7	1651.8	1654.1
5°	1643.6	1644.7	1640.6	1648.3	1650.1
7.5°	1636.6	1637.6	1633.6	1641.3	1641.9
10°	1624.8	1625.4	1621.8	1629.5	1630.6
12.5°	1608.9	1610.6	1606.5	1613.6	1614.0
15°	1589.8	1591.1	1588.1	1593.5	1595.2
17.5°	1567.5	1568.2	1565.2	1571.0	1571.6
20°	1539.7	1539.7	1537.3	1544.0	1544.0
22.5°	1511.4	1509.7	1509.0	1511.4	1515.0
25°	1474.9	1476.7	1472.6	1477.3	1478.4
27.5°	1439.6	1439.6	1435.9	1438.3	1435.3
30°	1398.8	1396.5	1394.1	1394.6	1391.8
32.5°	1349.8	1349.8	1348.7	1348.7	1345.0
35°	1299.2	1300.2	1297.9	1297.2	1295.5
37.5°	1244.7	1246.7	1242.4	1241.3	1240.0
40°	1182.8	1182.8	1181.1	1178.7	1175.7
42.5°	1118.5	1118.5	1111.0	1105.0	1100.9
45°	1038.3	1040.7	1030.6	1028.2	1020.1
47.5°	958.6	956.9	943.4	941.6	936.9
50°	873.7	863.6	844.3	849.5	853.8
52.5°	788.8	776.4	748.1	753.9	760.9
55°	711.4	686.8	653.8	661.9	683.1
57.5°	630.6	597.6	564.6	580.0	606.4
60°	559.2	522.2	486.1	502.6	533.3
62.5°	490.9	451.4	422.5	438.3	464.3
65°	422.5	389.9	367.6	379.8	405.3
67.5°	359.9	338.0	322.8	328.6	349.2
70°	303.3	289.6	281.4	283.2	294.9
72.5°	249.5	246.1	243.1	243.1	244.1
75°	203.0	204.7	206.4	203.6	198.9
77.5°	159.9	165.7	170.0	164.0	158.2
80°	117.5	126.9	132.3	125.6	116.8
82.5°	80.2	90.9	92.6	88.5	78.5
85°	44.2	51.9	52.5	50.8	44.2
87.5°	16.5	19.5	21.2	19.5	17.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)