

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: P1050669

Luminaire Tested: 24PTR-60-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050669
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-60-PC3-L930-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

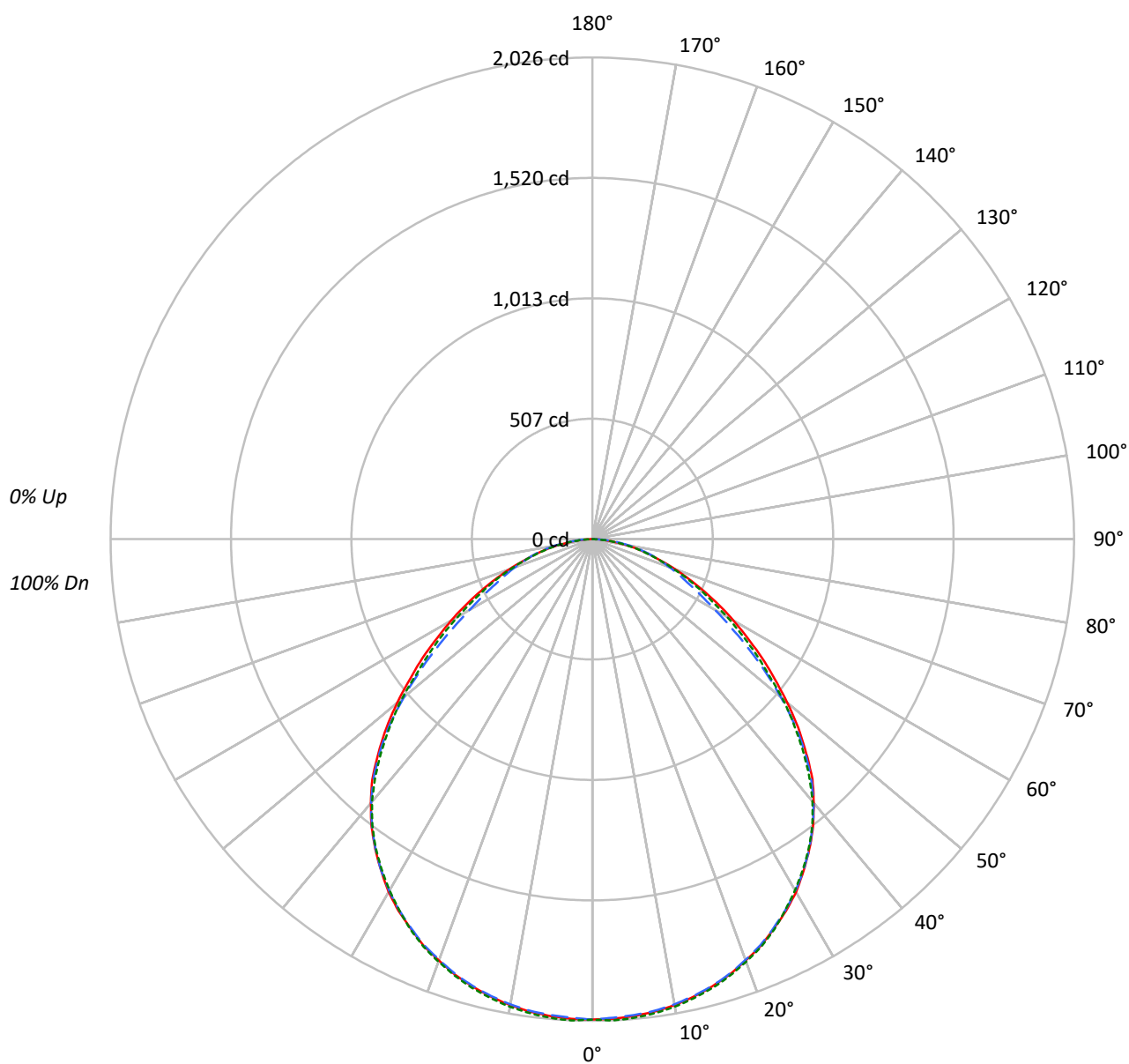
Lumens per Lamp: N/A
Luminaire Lumens: 5094.4 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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°	2719	2719	2719
5°	2720	2715	2730
10°	2720	2714	2729
15°	2713	2710	2722
20°	2701	2697	2708
25°	2682	2678	2689
30°	2662	2653	2649
35°	2614	2612	2607
40°	2545	2541	2530
45°	2420	2402	2378
50°	2241	2165	2189
55°	2045	1879	1963
60°	1844	1603	1758
65°	1648	1434	1581
70°	1462	1356	1421
75°	1293	1315	1267
80°	1115	1255	1109
85°	835	993	835

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.7	3.8
10°-20°	550.1	10.8
20°-30°	832.9	16.3
30°-40°	993.0	19.5
40°-50°	970.3	19.0
50°-60°	741.9	14.6
60°-70°	476.3	9.4
70°-80°	265.0	5.2
80°-90°	73.2	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°	1574.7	30.9
0°-40°	2567.7	50.4
0°-60°	4279.9	84.0
0°-90°	5094.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5094.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2021	2021	2021	2021	2021	
5°	2014	2015	2010	2019	2022	192
15°	1948	1949	1946	1952	1954	550
25°	1807	1809	1804	1810	1811	833
35°	1592	1593	1590	1589	1587	994
45°	1272	1275	1263	1260	1250	979
55°	872	841	801	811	837	779
65°	518	478	450	465	497	516
75°	249	251	253	250	244	266
85°	54	64	64	62	54	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2020.7	2020.7	2020.7	2020.7	2020.7
2.5°	2019.4	2020.2	2014.9	2023.6	2026.5
5°	2013.6	2014.9	2009.9	2019.4	2021.5
7.5°	2004.9	2006.3	2001.3	2010.7	2011.5
10°	1990.5	1991.3	1986.8	1996.3	1997.6
12.5°	1971.1	1973.2	1968.2	1976.8	1977.4
15°	1947.7	1949.3	1945.6	1952.2	1954.3
17.5°	1920.4	1921.2	1917.5	1924.6	1925.4
20°	1886.2	1886.2	1883.4	1891.5	1891.5
22.5°	1851.6	1849.5	1848.7	1851.6	1856.0
25°	1806.9	1809.0	1804.1	1809.8	1811.1
27.5°	1763.6	1763.6	1759.2	1762.0	1758.4
30°	1713.7	1710.8	1707.9	1708.5	1705.1
32.5°	1653.6	1653.6	1652.3	1652.3	1647.8
35°	1591.6	1592.9	1590.0	1589.2	1587.1
37.5°	1524.9	1527.3	1522.0	1520.7	1519.1
40°	1449.0	1449.0	1446.9	1444.0	1440.4
42.5°	1370.2	1370.2	1361.1	1353.7	1348.7
45°	1272.0	1274.9	1262.6	1259.7	1249.7
47.5°	1174.3	1172.2	1155.7	1153.6	1147.8
50°	1070.4	1058.0	1034.4	1040.7	1045.9
52.5°	966.4	951.1	916.5	923.6	932.2
55°	871.6	841.4	800.9	810.9	836.9
57.5°	772.6	732.1	691.7	710.6	742.9
60°	685.1	639.7	595.6	615.8	653.3
62.5°	601.4	553.0	517.6	537.0	568.8
65°	517.6	477.7	450.4	465.3	496.6
67.5°	440.9	414.1	395.5	402.6	427.8
70°	371.6	354.8	344.8	346.9	361.3
72.5°	305.7	301.5	297.8	297.8	299.1
75°	248.7	250.8	252.9	249.5	243.7
77.5°	195.9	203.0	208.2	200.9	193.8
80°	143.9	155.5	162.0	153.9	143.1
82.5°	98.2	111.3	113.4	108.5	96.1
85°	54.1	63.5	64.3	62.2	54.1
87.5°	20.2	23.9	26.0	23.9	21.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)