

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: P1050999

Luminaire Tested: 24PTR-60-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050999
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-60-PR1-L940-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

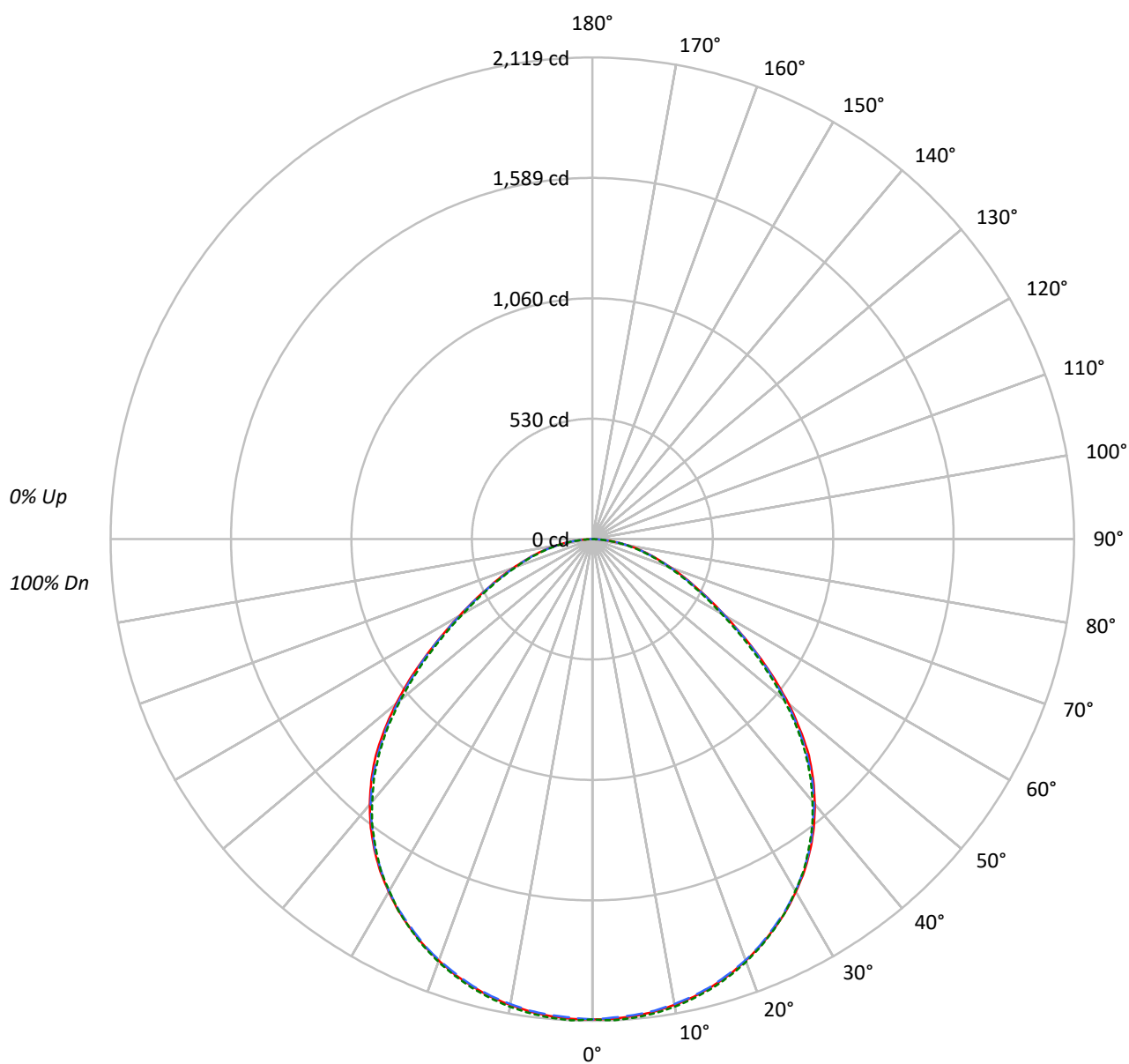
Lumens per Lamp: N/A
Luminaire Lumens: 5343.7 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2843	2843	2843
5°	2846	2839	2855
10°	2843	2838	2854
15°	2838	2834	2847
20°	2826	2823	2834
25°	2808	2801	2811
30°	2783	2779	2776
35°	2744	2738	2727
40°	2675	2664	2646
45°	2563	2535	2516
50°	2359	2332	2303
55°	2088	2078	2038
60°	1814	1808	1759
65°	1599	1589	1557
70°	1450	1430	1401
75°	1343	1312	1287
80°	1226	1209	1168
85°	968	960	922

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2563 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.4	3.8
10°-20°	575.3	10.8
20°-30°	871.5	16.3
30°-40°	1040.4	19.5
40°-50°	1023.2	19.1
50°-60°	790.8	14.8
60°-70°	498.6	9.3
70°-80°	269.7	5.0
80°-90°	73.7	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°	1647.3	30.8
0°-40°	2687.7	50.3
0°-60°	4501.7	84.2
0°-90°	5343.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5343.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2113	2113	2113	2113	2113	
5°	2107	2108	2102	2111	2114	200
15°	2037	2038	2034	2041	2044	575
25°	1891	1893	1886	1893	1893	872
35°	1671	1671	1667	1665	1660	1043
45°	1347	1342	1332	1322	1322	1032
55°	890	897	886	872	869	799
65°	502	503	499	491	489	505
75°	258	255	252	254	248	274
85°	63	64	62	63	60	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2113.0	2113.0	2113.0	2113.0	2113.0
2.5°	2112.2	2113.0	2106.9	2116.8	2119.0
5°	2106.9	2107.8	2102.3	2111.3	2113.8
7.5°	2096.2	2097.9	2092.6	2101.7	2103.9
10°	2081.1	2082.7	2077.5	2086.6	2088.8
12.5°	2062.4	2062.9	2058.5	2066.8	2069.0
15°	2037.3	2037.9	2034.3	2040.9	2043.9
17.5°	2008.4	2009.3	2004.0	2012.3	2013.7
20°	1973.8	1974.3	1971.3	1978.2	1979.0
22.5°	1935.0	1936.6	1931.9	1938.0	1938.8
25°	1891.2	1892.6	1886.5	1892.6	1893.4
27.5°	1845.0	1845.5	1840.3	1845.0	1844.2
30°	1791.0	1795.7	1788.8	1787.2	1786.6
32.5°	1735.2	1735.7	1729.1	1727.5	1730.5
35°	1670.8	1671.4	1666.9	1664.7	1660.1
37.5°	1600.4	1600.4	1591.8	1590.5	1589.6
40°	1523.0	1522.2	1517.0	1511.8	1506.3
42.5°	1438.8	1440.5	1429.8	1420.7	1419.3
45°	1347.2	1342.0	1332.1	1321.6	1322.4
47.5°	1239.1	1240.4	1227.0	1218.4	1216.2
50°	1126.8	1126.8	1114.1	1105.1	1100.4
52.5°	1009.6	1010.4	998.3	986.2	983.7
55°	889.9	897.3	886.0	871.7	868.7
57.5°	777.9	783.9	773.2	758.1	757.3
60°	674.2	674.7	671.7	657.4	653.5
62.5°	585.6	581.7	580.0	572.6	567.9
65°	502.2	503.0	499.1	490.6	489.2
67.5°	434.8	433.9	427.1	421.8	418.8
70°	368.7	366.5	363.5	359.1	356.1
72.5°	309.8	309.8	307.4	306.0	300.8
75°	258.4	255.4	252.3	253.7	247.6
77.5°	209.1	206.1	203.6	200.6	199.2
80°	158.2	155.2	156.0	151.3	150.8
82.5°	109.8	109.8	108.4	104.6	105.4
85°	62.7	63.6	62.2	62.7	59.7
87.5°	22.8	23.4	25.0	23.4	23.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)