

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: P1051076

Luminaire Tested: 24PTR-60-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PW1-L940-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

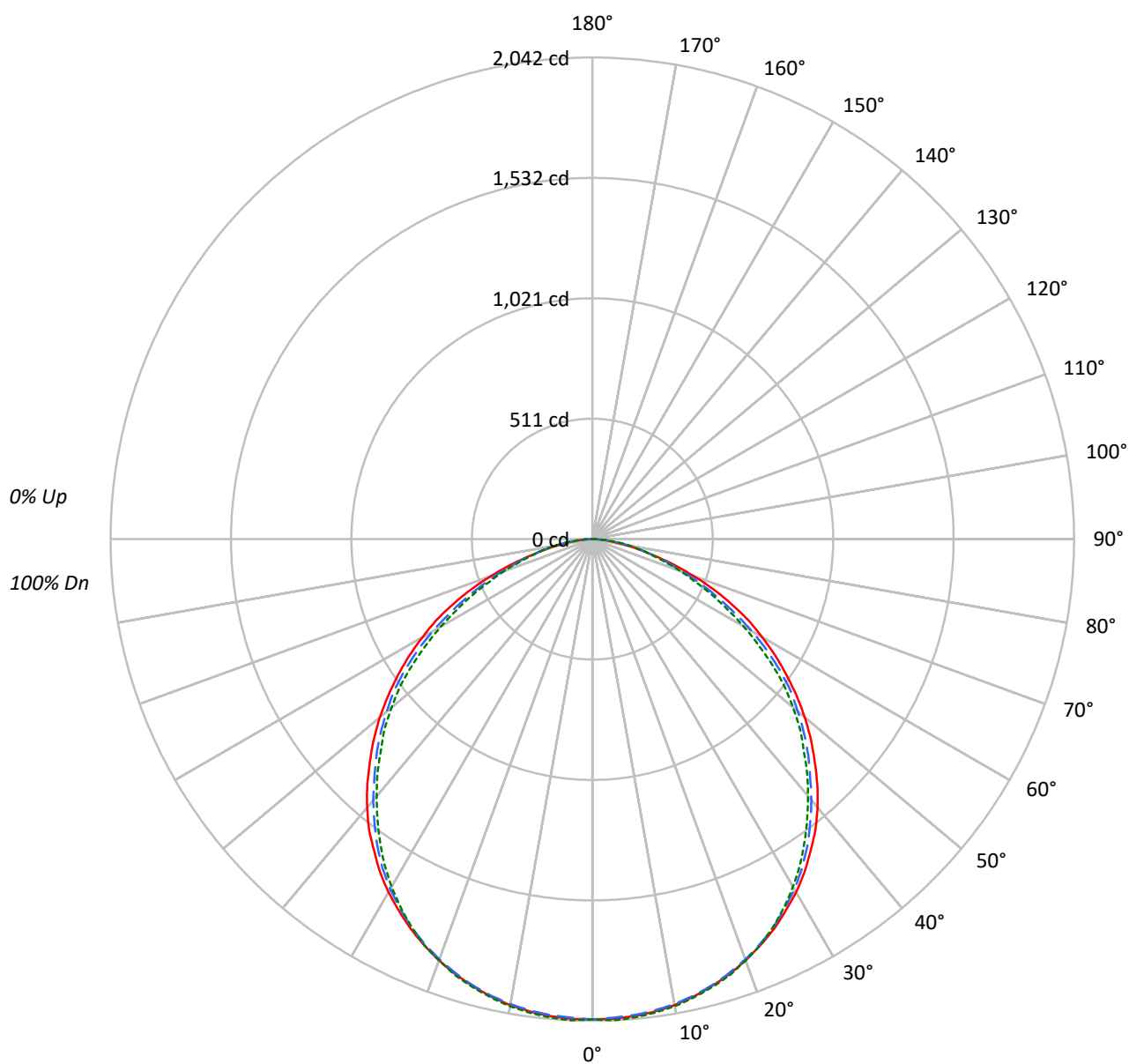
Lumens per Lamp: N/A
Luminaire Lumens: 5402.9 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2739	2739	2739
5°	2742	2736	2750
10°	2740	2734	2748
15°	2732	2728	2738
20°	2721	2714	2721
25°	2706	2695	2692
30°	2685	2662	2643
35°	2649	2609	2576
40°	2609	2537	2497
45°	2537	2461	2411
50°	2460	2380	2325
55°	2357	2278	2187
60°	2235	2103	1993
65°	2067	1878	1785
70°	1792	1635	1573
75°	1431	1399	1361
80°	1088	1215	1215
85°	804	1037	1037

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2537 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	3.6
10°-20°	553.8	10.2
20°-30°	837.0	15.5
30°-40°	993.8	18.4
40°-50°	1001.2	18.5
50°-60°	865.4	16.0
60°-70°	591.5	10.9
70°-80°	291.7	5.4
80°-90°	75.4	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°	1583.8	29.3
0°-40°	2577.6	47.7
0°-60°	4444.3	82.3
0°-90°	5402.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5402.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2036	2036	2036	2036	2036	
5°	2030	2031	2026	2034	2036	193
15°	1961	1964	1958	1965	1966	554
25°	1823	1821	1815	1817	1814	840
35°	1613	1608	1588	1574	1568	1010
45°	1333	1318	1294	1278	1267	1029
55°	1005	1002	971	942	932	898
65°	649	626	590	564	561	641
75°	275	273	269	269	262	300
85°	52	61	67	68	67	64
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2035.9	2035.9	2035.9	2035.9	2035.9
2.5°	2035.4	2035.9	2030.7	2039.7	2041.9
5°	2029.9	2030.7	2025.5	2033.7	2035.9
7.5°	2020.3	2021.6	2015.6	2023.8	2025.5
10°	2005.8	2006.6	2001.4	2009.6	2011.2
12.5°	1986.3	1986.8	1982.4	1989.9	1989.9
15°	1961.3	1963.5	1958.3	1965.2	1965.7
17.5°	1933.4	1934.2	1929.0	1936.4	1938.0
20°	1900.2	1900.2	1895.8	1901.9	1900.2
22.5°	1863.2	1863.2	1858.0	1861.0	1862.4
25°	1822.6	1821.0	1815.0	1816.6	1813.6
27.5°	1775.8	1775.8	1765.1	1765.1	1759.9
30°	1728.3	1724.5	1713.3	1706.4	1701.2
32.5°	1673.8	1668.6	1654.3	1642.3	1638.4
35°	1612.9	1607.5	1588.5	1574.3	1568.3
37.5°	1554.0	1541.9	1517.0	1502.7	1495.9
40°	1485.2	1470.1	1444.6	1424.9	1421.9
42.5°	1411.5	1399.4	1366.2	1351.7	1348.1
45°	1333.1	1318.5	1293.6	1278.5	1267.3
47.5°	1256.0	1245.3	1216.8	1198.7	1194.9
50°	1175.2	1166.1	1136.8	1117.3	1110.5
52.5°	1091.6	1085.5	1060.6	1035.6	1027.4
55°	1004.9	1001.9	970.9	942.2	932.3
57.5°	919.7	915.8	877.2	844.0	835.0
60°	830.6	819.4	781.5	750.5	740.7
62.5°	746.2	722.0	681.2	657.1	645.8
65°	649.4	626.1	589.9	564.1	560.6
67.5°	554.5	526.6	498.6	482.7	470.7
70°	455.6	436.7	415.6	402.1	399.9
72.5°	363.5	350.1	339.4	331.1	324.3
75°	275.2	273.0	269.2	269.2	261.8
77.5°	202.3	207.5	210.5	209.7	211.3
80°	140.4	150.8	156.8	157.6	156.8
82.5°	89.1	101.2	111.0	112.4	114.0
85°	52.1	61.1	67.2	68.5	67.2
87.5°	23.3	29.3	31.0	32.3	31.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)