

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: P1051054

Luminaire Tested: 24PTR-60-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051054
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-L930-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

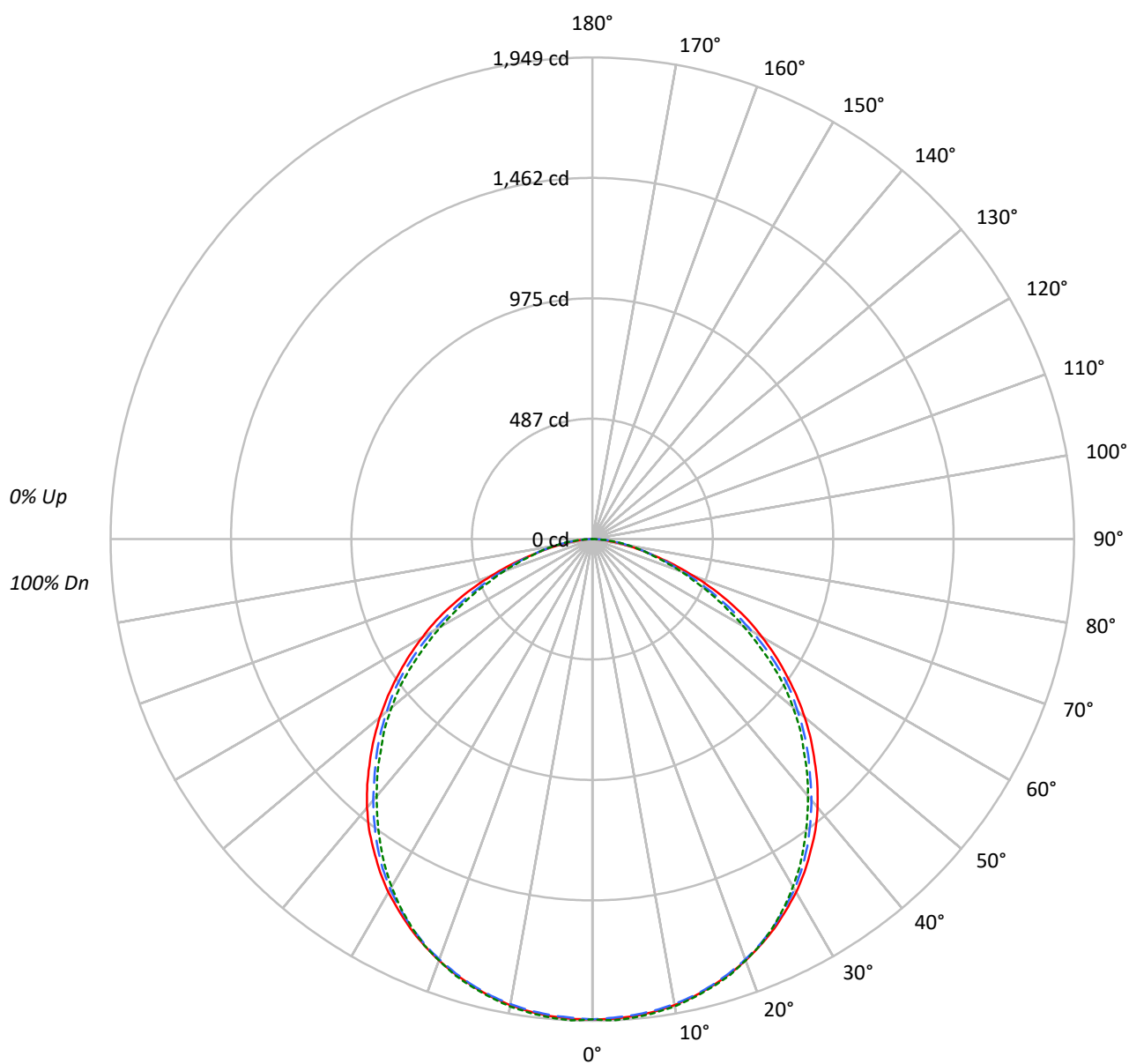
Lumens per Lamp: N/A
Luminaire Lumens: 5157.5 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2615	2615	2615
5°	2617	2611	2625
10°	2616	2610	2623
15°	2608	2604	2614
20°	2597	2591	2597
25°	2583	2572	2570
30°	2563	2541	2523
35°	2529	2491	2459
40°	2490	2422	2384
45°	2421	2350	2302
50°	2348	2271	2219
55°	2250	2174	2088
60°	2134	2007	1903
65°	1974	1793	1704
70°	1711	1561	1502
75°	1366	1336	1299
80°	1038	1160	1160
85°	767	990	990

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2421 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	3.6
10°-20°	528.6	10.2
20°-30°	798.9	15.5
30°-40°	948.7	18.4
40°-50°	955.8	18.5
50°-60°	826.1	16.0
60°-70°	564.6	10.9
70°-80°	278.4	5.4
80°-90°	72.0	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°	1511.9	29.3
0°-40°	2460.5	47.7
0°-60°	4242.4	82.3
0°-90°	5157.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5157.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1943	1943	1943	1943	1943	
5°	1938	1938	1934	1941	1943	184
15°	1872	1874	1869	1876	1876	529
25°	1740	1738	1732	1734	1731	801
35°	1540	1534	1516	1503	1497	964
45°	1272	1259	1235	1220	1210	982
55°	959	956	927	899	890	858
65°	620	598	563	538	535	612
75°	263	261	257	257	250	286
85°	50	58	64	65	64	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1943.4	1943.4	1943.4	1943.4	1943.4
2.5°	1942.9	1943.4	1938.5	1947.1	1949.2
5°	1937.7	1938.5	1933.5	1941.3	1943.4
7.5°	1928.5	1929.8	1924.1	1931.9	1933.5
10°	1914.6	1915.4	1910.5	1918.3	1919.9
12.5°	1896.1	1896.6	1892.4	1899.5	1899.5
15°	1872.3	1874.3	1869.4	1875.9	1876.4
17.5°	1845.6	1846.3	1841.4	1848.4	1850.0
20°	1813.9	1813.9	1809.7	1815.5	1813.9
22.5°	1778.6	1778.6	1773.6	1776.5	1777.8
25°	1739.8	1738.3	1732.5	1734.1	1731.2
27.5°	1695.1	1695.1	1684.9	1684.9	1679.9
30°	1649.8	1646.2	1635.4	1628.9	1623.9
32.5°	1597.8	1592.8	1579.2	1567.7	1564.0
35°	1539.7	1534.4	1516.4	1502.8	1497.0
37.5°	1483.4	1471.9	1448.1	1434.5	1427.9
40°	1417.7	1403.3	1379.0	1360.2	1357.3
42.5°	1347.3	1335.8	1304.2	1290.3	1286.9
45°	1272.5	1258.6	1234.8	1220.4	1209.7
47.5°	1199.0	1188.8	1161.6	1144.3	1140.6
50°	1121.8	1113.1	1085.1	1066.6	1060.0
52.5°	1042.0	1036.2	1012.4	988.6	980.7
55°	959.3	956.4	926.8	899.4	889.9
57.5°	877.9	874.2	837.3	805.7	797.0
60°	792.9	782.1	746.0	716.5	707.0
62.5°	712.3	689.2	650.3	627.2	616.5
65°	619.9	597.7	563.1	538.5	535.1
67.5°	529.4	502.7	476.0	460.8	449.3
70°	434.9	416.8	396.7	383.9	381.8
72.5°	347.0	334.2	323.9	316.1	309.6
75°	262.7	260.6	257.0	257.0	249.9
77.5°	193.1	198.1	201.0	200.2	201.7
80°	134.0	143.9	149.7	150.5	149.7
82.5°	85.0	96.6	106.0	107.3	108.9
85°	49.7	58.4	64.1	65.4	64.1
87.5°	22.2	28.0	29.6	30.9	29.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)