

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: P1051066

Luminaire Tested: 24PTR-72-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051066
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-72-PW1-L935-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

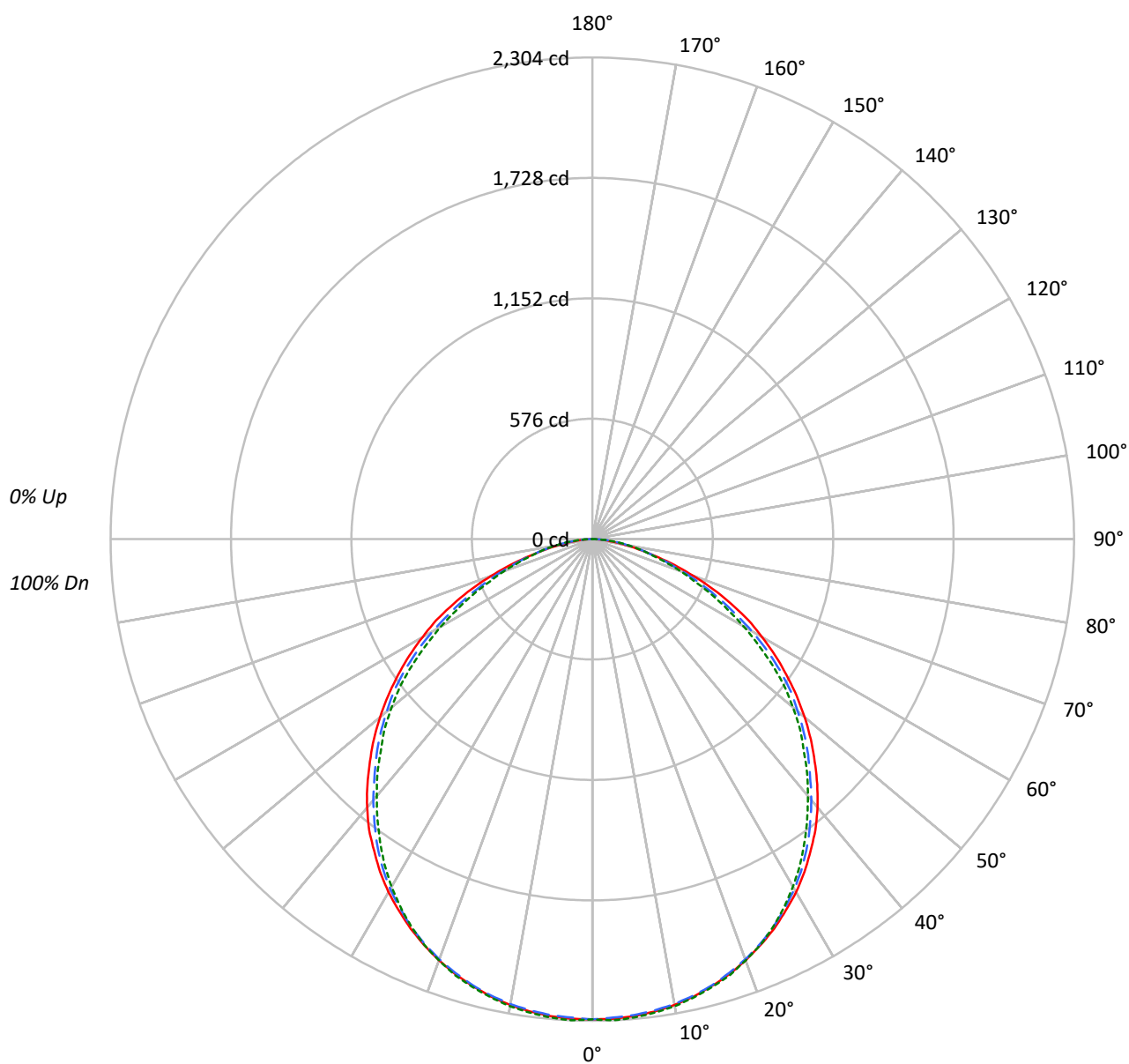
Lumens per Lamp: N/A
Luminaire Lumens: 6095.5 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
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°	3090	3090	3090
5°	3093	3086	3102
10°	3092	3085	3100
15°	3082	3078	3089
20°	3070	3062	3070
25°	3053	3040	3038
30°	3029	3003	2982
35°	2989	2944	2906
40°	2943	2863	2817
45°	2862	2777	2720
50°	2775	2685	2622
55°	2659	2570	2467
60°	2522	2373	2249
65°	2332	2119	2013
70°	2022	1844	1775
75°	1614	1579	1535
80°	1227	1371	1371
85°	908	1170	1170

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2862 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.8	3.6
10°-20°	624.8	10.2
20°-30°	944.2	15.5
30°-40°	1121.2	18.4
40°-50°	1129.6	18.5
50°-60°	976.4	16.0
60°-70°	667.3	10.9
70°-80°	329.1	5.4
80°-90°	85.1	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°	1786.8	29.3
0°-40°	2908.0	47.7
0°-60°	5014.0	82.3
0°-90°	6095.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6095.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2297	2297	2297	2297	2297	
5°	2290	2291	2285	2294	2297	218
15°	2213	2215	2209	2217	2218	625
25°	2056	2054	2048	2050	2046	947
35°	1820	1814	1792	1776	1769	1139
45°	1504	1488	1459	1442	1430	1161
55°	1134	1130	1095	1063	1052	1014
65°	733	706	666	636	632	723
75°	310	308	304	304	295	338
85°	59	69	76	77	76	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2296.9	2296.9	2296.9	2296.9	2296.9
2.5°	2296.3	2296.9	2291.0	2301.2	2303.7
5°	2290.1	2291.0	2285.1	2294.4	2296.9
7.5°	2279.3	2280.8	2274.0	2283.3	2285.1
10°	2262.9	2263.8	2257.9	2267.2	2269.0
12.5°	2240.9	2241.5	2236.6	2244.9	2244.9
15°	2212.8	2215.2	2209.4	2217.1	2217.7
17.5°	2181.2	2182.1	2176.3	2184.6	2186.5
20°	2143.8	2143.8	2138.8	2145.7	2143.8
22.5°	2102.0	2102.0	2096.2	2099.6	2101.1
25°	2056.3	2054.4	2047.6	2049.5	2046.1
27.5°	2003.4	2003.4	1991.3	1991.3	1985.5
30°	1949.9	1945.6	1932.9	1925.1	1919.3
32.5°	1888.3	1882.5	1866.4	1852.8	1848.5
35°	1819.7	1813.5	1792.2	1776.1	1769.3
37.5°	1753.2	1739.6	1711.4	1695.4	1687.6
40°	1675.6	1658.6	1629.8	1607.5	1604.1
42.5°	1592.4	1578.8	1541.4	1525.0	1520.9
45°	1503.9	1487.5	1459.4	1442.4	1429.7
47.5°	1417.0	1405.0	1372.8	1352.4	1348.1
50°	1325.8	1315.6	1282.5	1260.5	1252.8
52.5°	1231.5	1224.7	1196.5	1168.4	1159.1
55°	1133.7	1130.3	1095.4	1062.9	1051.8
57.5°	1037.6	1033.2	989.6	952.2	942.0
60°	937.1	924.4	881.7	846.8	835.6
62.5°	841.8	814.6	768.5	741.3	728.6
65°	732.6	706.4	665.5	636.5	632.4
67.5°	625.6	594.1	562.5	544.6	531.0
70°	514.0	492.7	468.8	453.7	451.2
72.5°	410.1	394.9	382.9	373.6	365.9
75°	310.5	308.0	303.7	303.7	295.3
77.5°	228.2	234.1	237.5	236.6	238.4
80°	158.3	170.1	176.9	177.8	176.9
82.5°	100.5	114.1	125.3	126.8	128.7
85°	58.8	69.0	75.8	77.3	75.8
87.5°	26.3	33.1	34.9	36.5	34.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)