

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: P1050736

Luminaire Tested: 24PTR-72-PL1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PL1-L850-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

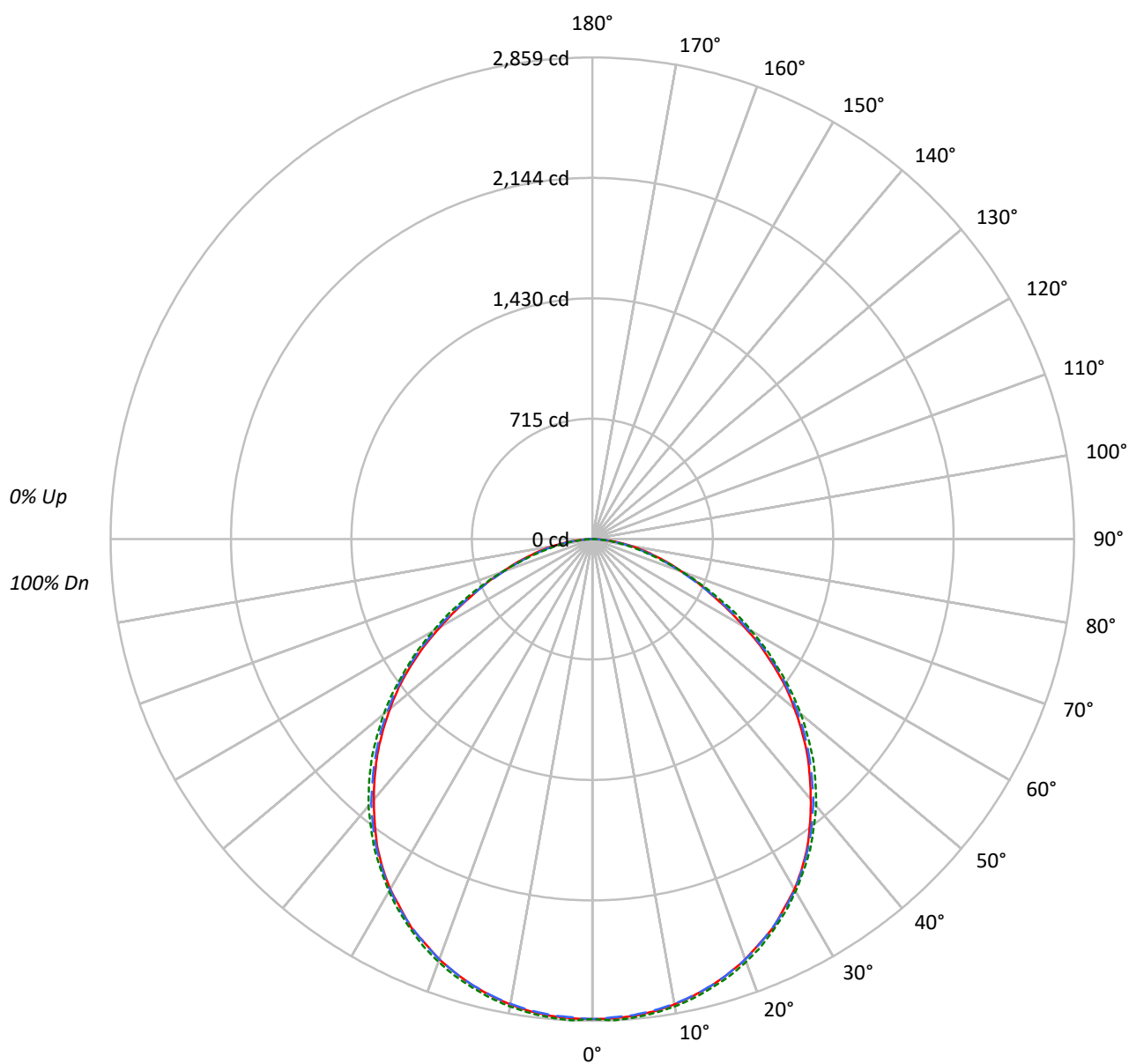
Lumens per Lamp: N/A
Luminaire Lumens: 7509.7 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050736

CATALOG NUMBER: 24PTR-72-PL1-L850-UNV-STD-W

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	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3833	3833	3833
5°	3836	3829	3851
10°	3832	3827	3849
15°	3820	3818	3838
20°	3801	3801	3822
25°	3775	3770	3791
30°	3727	3733	3750
35°	3656	3670	3700
40°	3543	3584	3630
45°	3432	3461	3527
50°	3281	3316	3382
55°	3091	3140	3177
60°	2803	2863	2934
65°	2490	2517	2618
70°	2225	2180	2234
75°	2008	1892	1854
80°	1825	1694	1504
85°	1545	1403	1207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3527 cd/sqm

TEST NUMBER: P1050736

CATALOG NUMBER: 24PTR-72-PL1-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.2	3.6
10°-20°	775.1	10.3
20°-30°	1172.4	15.6
30°-40°	1397.5	18.6
40°-50°	1405.2	18.7
50°-60°	1192.6	15.9
60°-70°	794.1	10.6
70°-80°	396.5	5.3
80°-90°	106.1	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°	2217.7	29.5
0°-40°	3615.2	48.1
0°-60°	6213.1	82.7
0°-90°	7509.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7509.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2849	2849	2849	2849	2849	
5°	2840	2841	2835	2848	2851	270
15°	2742	2745	2741	2753	2755	774
25°	2543	2543	2539	2551	2553	1169
35°	2226	2228	2234	2250	2253	1389
45°	1804	1807	1819	1843	1854	1388
55°	1318	1327	1339	1351	1354	1174
65°	782	789	790	802	822	784
75°	386	381	364	356	357	415
85°	100	98	91	86	78	116
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2849.0	2849.0	2849.0	2849.0	2849.0
2.5°	2846.7	2849.0	2841.3	2855.1	2858.6
5°	2840.5	2841.3	2835.2	2847.8	2850.9
7.5°	2826.7	2827.9	2821.3	2835.2	2837.1
10°	2804.5	2806.8	2801.4	2814.1	2817.1
12.5°	2776.1	2779.2	2773.8	2787.6	2789.9
15°	2742.3	2745.4	2741.2	2752.7	2755.0
17.5°	2700.9	2703.2	2700.9	2711.7	2717.8
20°	2654.5	2654.5	2654.5	2664.1	2669.5
22.5°	2596.6	2602.0	2599.7	2612.3	2617.7
25°	2542.9	2542.9	2539.4	2551.3	2553.3
27.5°	2467.7	2476.2	2475.4	2485.7	2488.0
30°	2399.1	2401.4	2402.5	2409.8	2414.0
32.5°	2315.8	2317.8	2321.2	2331.6	2332.7
35°	2226.1	2228.4	2234.5	2250.3	2252.6
37.5°	2121.8	2133.3	2138.6	2155.5	2157.4
40°	2017.1	2024.3	2040.5	2058.1	2066.5
42.5°	1910.4	1918.9	1928.5	1952.6	1960.3
45°	1803.8	1806.9	1818.8	1842.9	1853.7
47.5°	1685.7	1695.3	1705.6	1726.7	1733.2
50°	1567.5	1577.9	1584.4	1603.2	1615.9
52.5°	1448.3	1457.9	1465.1	1476.6	1489.3
55°	1317.5	1326.7	1338.6	1351.2	1354.3
57.5°	1184.4	1194.7	1202.4	1215.8	1229.6
60°	1041.7	1053.6	1064.0	1076.6	1090.4
62.5°	909.0	914.0	924.7	945.8	965.8
65°	782.0	788.6	790.5	802.4	822.3
67.5°	676.6	676.6	667.0	671.2	693.4
70°	565.7	561.5	554.2	550.0	568.0
72.5°	476.0	470.6	454.9	447.6	457.2
75°	386.2	380.9	364.0	355.5	356.7
77.5°	310.3	301.8	288.0	273.5	270.4
80°	235.5	232.0	218.6	204.8	194.1
82.5°	166.8	159.6	151.9	143.4	135.0
85°	100.1	98.2	90.9	85.5	78.2
87.5°	41.0	41.0	39.1	36.8	34.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)