

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: P1050750

Luminaire Tested: 24PTR-90-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050750
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-90-PL1-L930-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

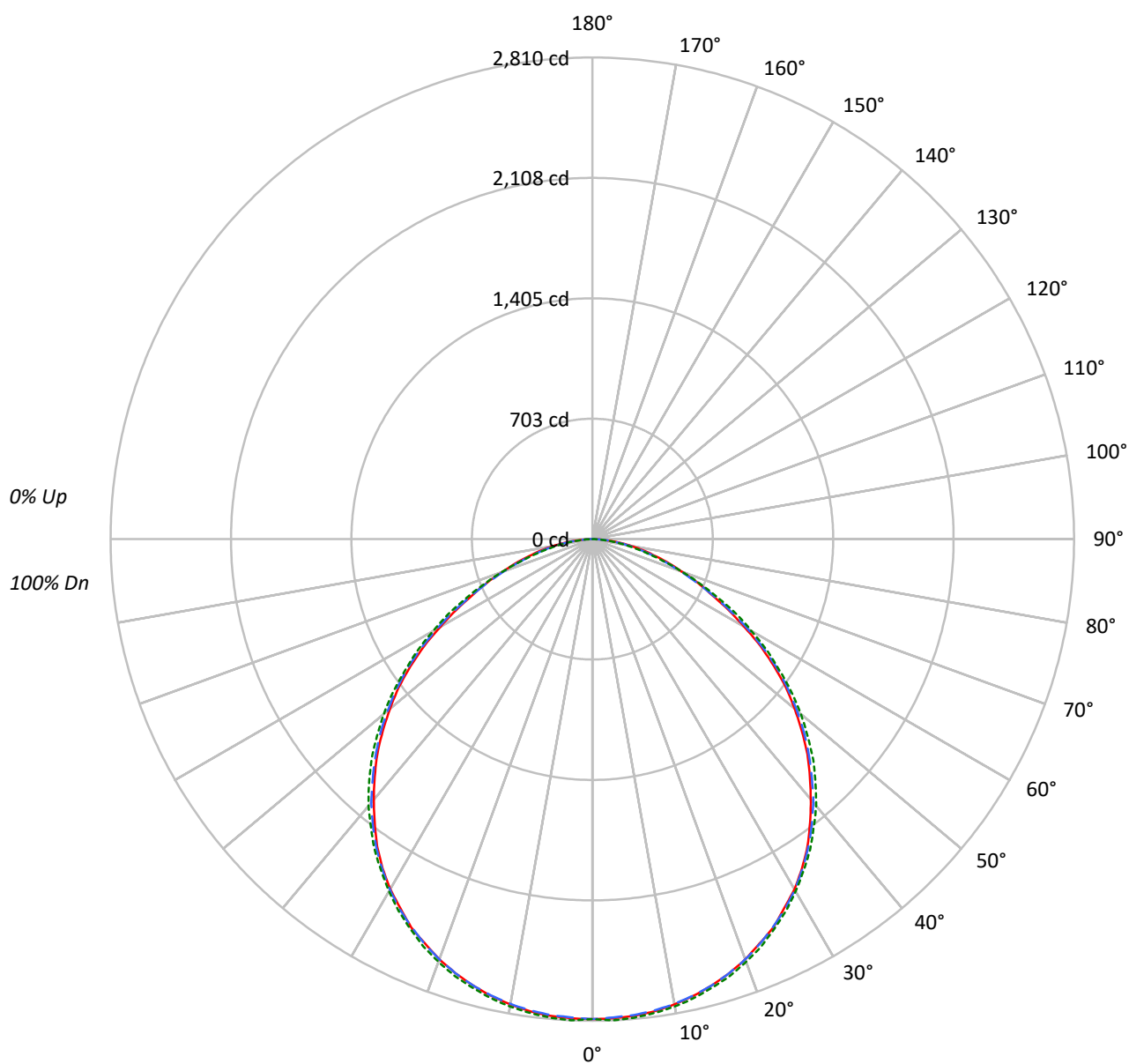
Lumens per Lamp: N/A
Luminaire Lumens: 7381.7 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3768	3768	3768
5°	3771	3764	3785
10°	3766	3762	3783
15°	3755	3753	3772
20°	3736	3736	3757
25°	3711	3706	3726
30°	3664	3669	3687
35°	3594	3608	3637
40°	3482	3523	3568
45°	3374	3402	3467
50°	3225	3260	3325
55°	3038	3086	3123
60°	2755	2814	2884
65°	2447	2474	2573
70°	2188	2143	2196
75°	1973	1860	1823
80°	1794	1665	1478
85°	1519	1380	1187

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3467 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.6	3.6
10°-20°	761.9	10.3
20°-30°	1152.4	15.6
30°-40°	1373.7	18.6
40°-50°	1381.3	18.7
50°-60°	1172.3	15.9
60°-70°	780.5	10.6
70°-80°	389.7	5.3
80°-90°	104.3	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°	2179.9	29.5
0°-40°	3553.6	48.1
0°-60°	6107.2	82.7
0°-90°	7381.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7381.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2800	2800	2800	2800	2800	
5°	2792	2793	2787	2799	2802	265
15°	2696	2699	2694	2706	2708	761
25°	2500	2500	2496	2508	2510	1149
35°	2188	2190	2196	2212	2214	1365
45°	1773	1776	1788	1812	1822	1364
55°	1295	1304	1316	1328	1331	1154
65°	769	775	777	789	808	771
75°	380	374	358	350	351	408
85°	98	96	89	84	77	114
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2800.4	2800.4	2800.4	2800.4	2800.4
2.5°	2798.1	2800.4	2792.8	2806.4	2809.8
5°	2792.1	2792.8	2786.8	2799.3	2802.3
7.5°	2778.5	2779.7	2773.2	2786.8	2788.7
10°	2756.7	2758.9	2753.6	2766.1	2769.1
12.5°	2728.8	2731.8	2726.5	2740.1	2742.3
15°	2695.6	2698.6	2694.5	2705.8	2708.0
17.5°	2654.9	2657.1	2654.9	2665.4	2671.5
20°	2609.2	2609.2	2609.2	2618.7	2624.0
22.5°	2552.3	2557.6	2555.3	2567.8	2573.1
25°	2499.5	2499.5	2496.1	2507.8	2509.7
27.5°	2425.6	2433.9	2433.2	2443.4	2445.6
30°	2358.2	2360.4	2361.6	2368.7	2372.9
32.5°	2276.4	2278.2	2281.6	2291.8	2292.9
35°	2188.1	2190.4	2196.4	2211.9	2214.1
37.5°	2085.6	2096.9	2102.2	2118.8	2120.7
40°	1982.7	1989.8	2005.7	2023.0	2031.3
42.5°	1877.9	1886.2	1895.6	1919.3	1926.9
45°	1773.1	1776.1	1787.8	1811.5	1822.1
47.5°	1656.9	1666.4	1676.5	1697.3	1703.7
50°	1540.8	1551.0	1557.4	1575.9	1588.3
52.5°	1423.6	1433.0	1440.2	1451.5	1463.9
55°	1295.0	1304.1	1315.7	1328.2	1331.2
57.5°	1164.2	1174.4	1181.9	1195.1	1208.7
60°	1023.9	1035.6	1045.8	1058.3	1071.8
62.5°	893.5	898.4	909.0	929.7	949.3
65°	768.7	775.1	777.0	788.7	808.3
67.5°	665.0	665.0	655.6	659.8	681.6
70°	556.1	551.9	544.8	540.6	558.3
72.5°	467.9	462.6	447.1	440.0	449.4
75°	379.6	374.4	357.8	349.5	350.6
77.5°	305.0	296.7	283.1	268.8	265.8
80°	231.5	228.1	214.9	201.3	190.8
82.5°	164.0	156.8	149.3	141.0	132.7
85°	98.4	96.5	89.4	84.1	76.9
87.5°	40.3	40.3	38.5	36.2	34.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)