

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: P1050596

Luminaire Tested: 24PTR-90-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-90-PB1-L930-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

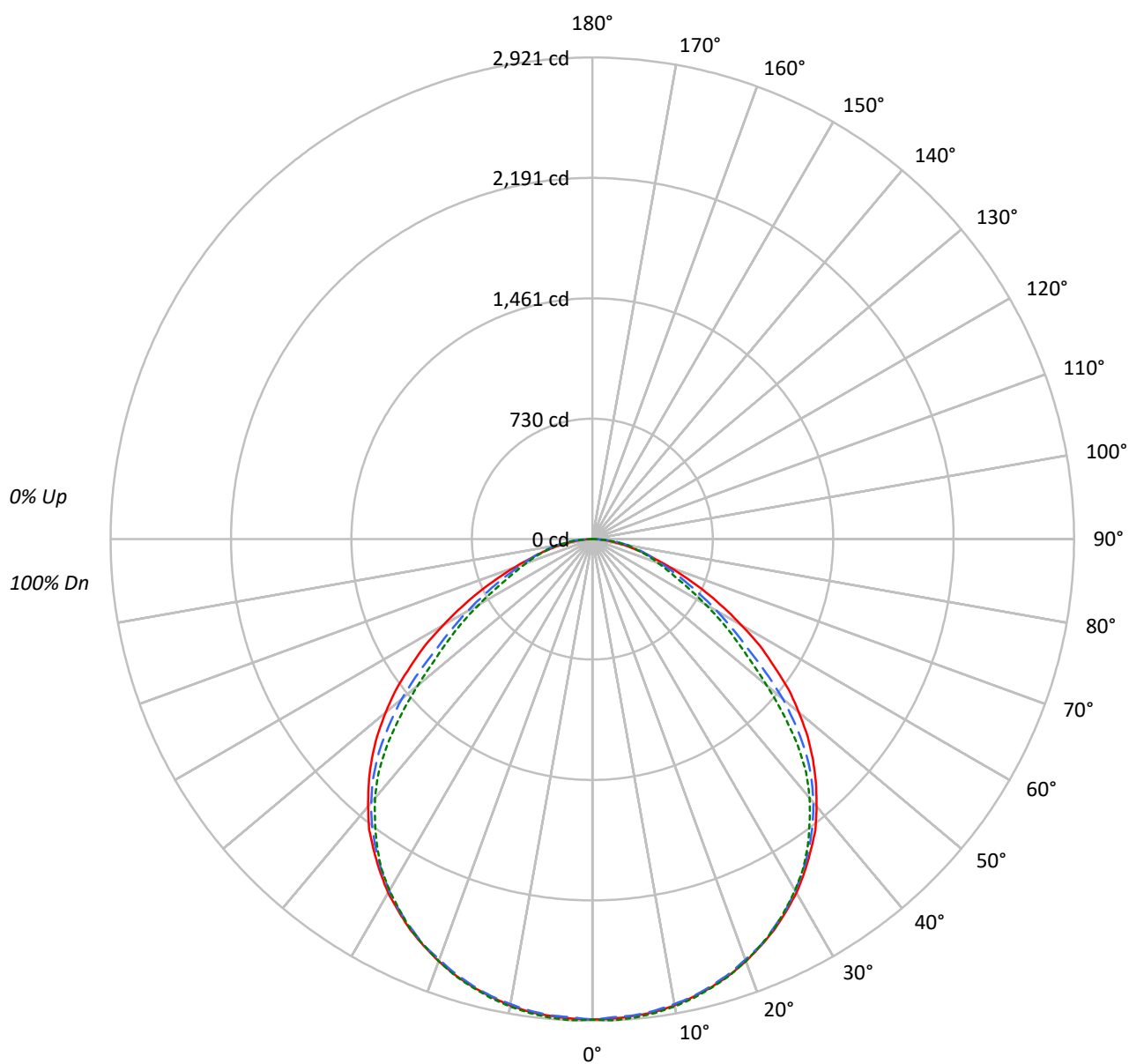
Lumens per Lamp: N/A
Luminaire Lumens: 7265.3 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3920	3920	3920
5°	3920	3916	3935
10°	3922	3912	3932
15°	3914	3904	3919
20°	3900	3885	3900
25°	3879	3862	3873
30°	3847	3825	3819
35°	3791	3762	3738
40°	3714	3664	3600
45°	3600	3484	3341
50°	3421	3158	2888
55°	3153	2682	2488
60°	2807	2344	2131
65°	2408	2032	1815
70°	1988	1791	1664
75°	1676	1713	1621
80°	1417	1749	1667
85°	1110	1772	1551

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3600 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.3	3.8
10°-20°	792.7	10.9
20°-30°	1200.8	16.5
30°-40°	1430.8	19.7
40°-50°	1399.2	19.3
50°-60°	1058.3	14.6
60°-70°	650.2	8.9
70°-80°	346.4	4.8
80°-90°	110.5	1.5
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°	2269.8	31.2
0°-40°	3700.6	50.9
0°-60°	6158.1	84.8
0°-90°	7265.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7265.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2914	2914	2914	2914	2914	
5°	2903	2906	2899	2910	2914	276
15°	2810	2813	2803	2813	2813	793
25°	2613	2609	2602	2606	2609	1203
35°	2308	2304	2290	2279	2276	1444
45°	1892	1882	1831	1770	1756	1455
55°	1344	1276	1143	1079	1061	1204
65°	756	695	638	588	570	753
75°	322	326	330	319	312	346
85°	72	93	115	108	100	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2913.6	2913.6	2913.6	2913.6	2913.6
2.5°	2910.3	2913.6	2902.7	2917.4	2920.8
5°	2902.7	2906.5	2899.3	2910.3	2913.6
7.5°	2892.2	2892.2	2885.0	2895.6	2899.3
10°	2870.7	2870.7	2863.6	2874.1	2877.9
12.5°	2842.2	2842.2	2838.4	2845.5	2849.3
15°	2809.8	2813.2	2802.6	2813.2	2813.2
17.5°	2770.3	2766.9	2763.1	2770.3	2774.1
20°	2723.6	2723.6	2713.1	2720.2	2723.6
22.5°	2669.8	2669.8	2666.4	2669.8	2666.4
25°	2612.6	2608.9	2601.7	2605.5	2608.9
27.5°	2544.5	2544.5	2537.4	2537.4	2533.6
30°	2476.4	2472.7	2462.1	2455.0	2458.4
32.5°	2394.0	2390.3	2379.7	2372.6	2376.0
35°	2307.9	2304.5	2290.2	2279.3	2275.9
37.5°	2222.1	2211.2	2193.1	2178.8	2164.5
40°	2114.5	2103.6	2085.9	2053.5	2049.8
42.5°	2006.9	1996.4	1967.4	1928.3	1917.3
45°	1892.1	1881.6	1831.2	1770.2	1755.9
47.5°	1770.2	1752.5	1673.5	1598.3	1569.7
50°	1634.4	1602.0	1508.7	1412.0	1379.7
52.5°	1501.6	1444.4	1322.5	1236.3	1204.4
55°	1343.9	1275.8	1143.4	1078.7	1060.6
57.5°	1204.4	1111.1	1003.4	939.1	924.8
60°	1043.0	956.8	871.0	813.4	792.0
62.5°	895.8	820.6	749.1	698.7	673.9
65°	756.3	695.3	638.1	587.7	570.0
67.5°	620.1	587.7	541.0	501.9	491.0
70°	505.3	487.2	455.3	437.2	422.9
72.5°	401.5	408.6	387.2	380.0	369.1
75°	322.4	326.2	329.6	319.1	311.9
77.5°	243.8	261.5	275.8	268.6	261.5
80°	182.9	200.5	225.7	215.2	215.2
82.5°	125.3	147.1	168.6	161.4	157.6
85°	71.9	93.3	114.8	107.6	100.5
87.5°	28.6	46.7	50.0	50.0	46.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)