

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: P1192929

Luminaire Tested: 24PT-90-PB1-L830

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2202-549-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PT-90-PB1-L830
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

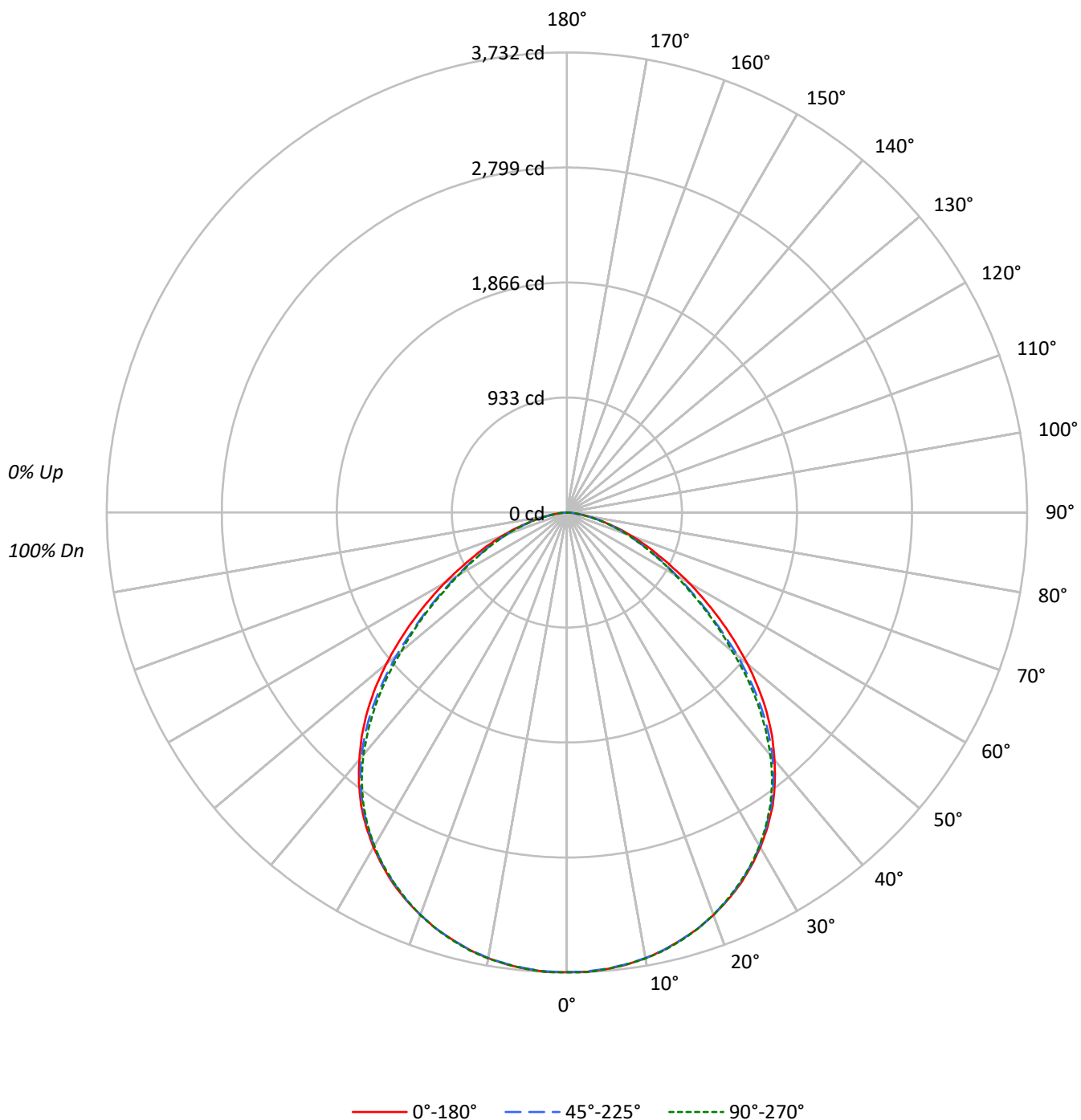
Lumens per Lamp: N/A
Luminaire Lumens: 8855.0 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 76
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	106	102	99	108	104	100	97		100	97	94		96	93	91		92	90	89
2	101	94	88	83	99	92	86	82		88	84	80		85	81	78		82	79	76
3	93	83	76	70	91	82	75	69		79	73	68		76	71	67		74	70	66
4	86	75	66	60	83	73	66	60		71	64	59		69	63	58		66	62	58
5	79	67	59	53	77	66	58	52		64	57	52		62	56	51		60	55	51
6	73	61	52	46	71	60	52	46		58	51	46		56	50	45		55	49	45
7	68	55	47	41	66	55	47	41		53	46	41		52	45	40		50	45	40
8	64	51	43	37	62	50	42	37		49	42	37		47	41	36		46	41	36
9	59	47	39	33	58	46	38	33		45	38	33		44	38	33		43	37	33
10	56	43	35	30	55	43	35	30		42	35	30		41	34	30		40	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5333	5333	5333
5°	5337	5332	5337
10°	5332	5328	5334
15°	5313	5313	5319
20°	5289	5284	5289
25°	5249	5238	5231
30°	5181	5161	5156
35°	5077	5046	5026
40°	4889	4842	4793
45°	4634	4497	4420
50°	4251	4013	3899
55°	3783	3446	3395
60°	3277	2945	2894
65°	2763	2525	2495
70°	2346	2162	2174
75°	1842	1761	1777
80°	1342	1319	1331
85°	819	868	868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4634 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.2	4.0
10°-20°	1012.8	11.4
20°-30°	1528.9	17.3
30°-40°	1802.8	20.4
40°-50°	1712.9	19.3
50°-60°	1264.0	14.3
60°-70°	762.9	8.6
70°-80°	349.2	3.9
80°-90°	68.2	0.8
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°	2894.9	32.7
0°-40°	4697.8	53.1
0°-60°	7674.7	86.7
0°-90°	8855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8855.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3729	3729	3729	3729	3729	
5°	3717	3719	3714	3711	3717	353
15°	3588	3590	3588	3587	3592	1013
25°	3327	3325	3319	3313	3315	1531
35°	2908	2904	2890	2879	2879	1813
45°	2291	2275	2224	2193	2185	1759
55°	1517	1456	1382	1350	1362	1358
65°	817	790	746	731	737	821
75°	333	328	319	314	322	363
85°	50	51	53	51	53	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3729.1	3729.1	3729.1	3729.1	3729.1
2.5°	3729.1	3729.1	3726.1	3723.2	3732.0
5°	3717.3	3718.8	3714.4	3711.4	3717.3
7.5°	3699.7	3699.7	3695.3	3692.3	3698.2
10°	3671.8	3671.8	3668.8	3667.4	3673.2
12.5°	3635.1	3636.5	3633.6	3632.1	3639.5
15°	3588.1	3589.5	3588.1	3586.6	3592.5
17.5°	3538.1	3539.6	3536.7	3532.2	3538.1
20°	3475.0	3477.9	3472.0	3469.1	3475.0
22.5°	3404.5	3407.4	3401.5	3398.6	3398.6
25°	3326.6	3325.2	3319.3	3313.4	3314.9
27.5°	3235.6	3237.0	3228.2	3222.4	3226.8
30°	3137.2	3138.6	3125.4	3121.0	3122.5
32.5°	3027.0	3025.5	3013.8	3006.4	3006.4
35°	2908.0	2903.6	2890.4	2878.7	2878.7
37.5°	2770.0	2767.0	2752.4	2737.7	2733.3
40°	2618.7	2615.8	2593.7	2574.6	2567.3
42.5°	2463.0	2454.2	2419.0	2389.6	2382.2
45°	2291.2	2275.0	2223.6	2192.8	2185.4
47.5°	2106.1	2085.6	2015.1	1979.8	1976.9
50°	1910.8	1874.1	1803.6	1758.0	1752.2
52.5°	1714.0	1661.1	1580.3	1546.6	1555.4
55°	1517.2	1455.5	1382.1	1349.7	1361.5
57.5°	1326.2	1261.6	1198.5	1166.2	1173.5
60°	1145.6	1089.8	1029.6	1003.1	1011.9
62.5°	967.9	932.6	881.2	857.7	869.5
65°	816.6	790.2	746.1	731.4	737.3
67.5°	684.4	663.9	625.7	613.9	622.7
70°	561.0	546.4	517.0	512.6	519.9
72.5°	443.6	434.7	418.6	411.2	415.6
75°	333.4	327.5	318.7	314.3	321.6
77.5°	240.9	236.5	233.5	233.5	235.0
80°	163.0	161.6	160.1	158.6	161.6
82.5°	99.9	99.9	99.9	99.9	101.3
85°	49.9	51.4	52.9	51.4	52.9
87.5°	16.2	17.6	19.1	19.1	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)