

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: P1051079

Luminaire Tested: 24PTR-100-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051079
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-100-PW1-L940-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

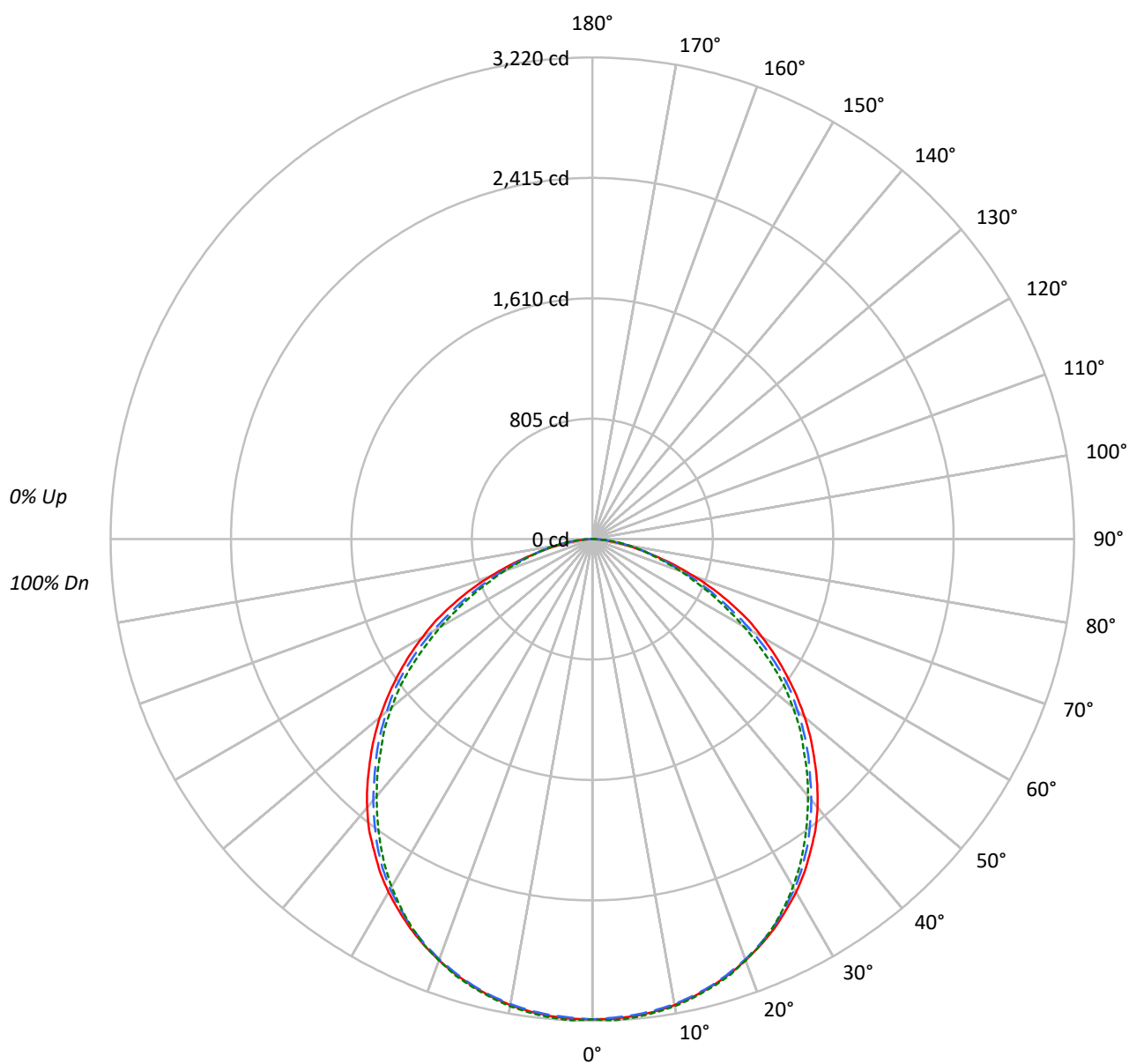
Lumens per Lamp: N/A
Luminaire Lumens: 8519.5 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 85
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°	4319	4319	4319
5°	4323	4314	4336
10°	4321	4312	4333
15°	4308	4301	4318
20°	4290	4280	4290
25°	4267	4249	4245
30°	4234	4197	4168
35°	4177	4114	4062
40°	4113	4001	3938
45°	4000	3881	3802
50°	3879	3752	3665
55°	3717	3591	3449
60°	3524	3316	3143
65°	3260	2961	2814
70°	2826	2578	2481
75°	2256	2207	2146
80°	1715	1915	1915
85°	1267	1635	1635

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4000 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.4	3.6
10°-20°	873.2	10.2
20°-30°	1319.7	15.5
30°-40°	1567.1	18.4
40°-50°	1578.8	18.5
50°-60°	1364.7	16.0
60°-70°	932.7	10.9
70°-80°	459.9	5.4
80°-90°	118.9	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°	2497.4	29.3
0°-40°	4064.5	47.7
0°-60°	7007.9	82.3
0°-90°	8519.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8519.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3210	3210	3210	3210	3210	
5°	3201	3202	3194	3207	3210	304
15°	3093	3096	3088	3099	3100	873
25°	2874	2871	2862	2864	2860	1324
35°	2543	2535	2505	2482	2473	1592
45°	2102	2079	2040	2016	1998	1622
55°	1585	1580	1531	1486	1470	1417
65°	1024	987	930	890	884	1011
75°	434	430	424	424	413	473
85°	82	96	106	108	106	101
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3210.3	3210.3	3210.3	3210.3	3210.3
2.5°	3209.4	3210.3	3202.1	3216.3	3219.8
5°	3200.8	3202.1	3193.9	3206.8	3210.3
7.5°	3185.7	3187.8	3178.3	3191.3	3193.9
10°	3162.7	3164.0	3155.8	3168.8	3171.4
12.5°	3132.1	3132.9	3126.0	3137.7	3137.7
15°	3092.7	3096.2	3088.0	3098.8	3099.6
17.5°	3048.6	3049.9	3041.7	3053.4	3056.0
20°	2996.3	2996.3	2989.4	2998.9	2996.3
22.5°	2938.0	2938.0	2929.8	2934.5	2936.7
25°	2874.0	2871.4	2861.9	2864.5	2859.7
27.5°	2800.1	2800.1	2783.2	2783.2	2775.0
30°	2725.3	2719.3	2701.5	2690.7	2682.5
32.5°	2639.3	2631.1	2608.6	2589.6	2583.5
35°	2543.3	2534.7	2504.9	2482.4	2472.9
37.5°	2450.4	2431.4	2392.1	2369.6	2358.8
40°	2341.9	2318.1	2277.9	2246.8	2242.1
42.5°	2225.6	2206.6	2154.3	2131.4	2125.8
45°	2102.0	2079.1	2039.8	2016.0	1998.3
47.5°	1980.6	1963.7	1918.7	1890.2	1884.2
50°	1853.0	1838.8	1792.5	1761.8	1751.0
52.5°	1721.2	1711.7	1672.4	1633.0	1620.1
55°	1584.6	1579.9	1531.0	1485.6	1470.1
57.5°	1450.2	1444.1	1383.2	1330.9	1316.6
60°	1309.7	1292.0	1232.3	1183.5	1167.9
62.5°	1176.6	1138.5	1074.1	1036.1	1018.4
65°	1024.0	987.3	930.2	889.6	883.9
67.5°	874.4	830.3	786.3	761.2	742.2
70°	718.4	688.6	655.3	634.1	630.6
72.5°	573.2	552.0	535.1	522.2	511.3
75°	434.0	430.5	424.5	424.5	412.8
77.5°	319.0	327.2	332.0	330.7	333.3
80°	221.3	237.7	247.2	248.5	247.2
82.5°	140.5	159.5	175.1	177.2	179.8
85°	82.1	96.4	105.9	108.1	105.9
87.5°	36.7	46.3	48.8	51.0	48.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)