

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: P1050595

Luminaire Tested: 24PTR-100-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050595
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-100-PB1-L930-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

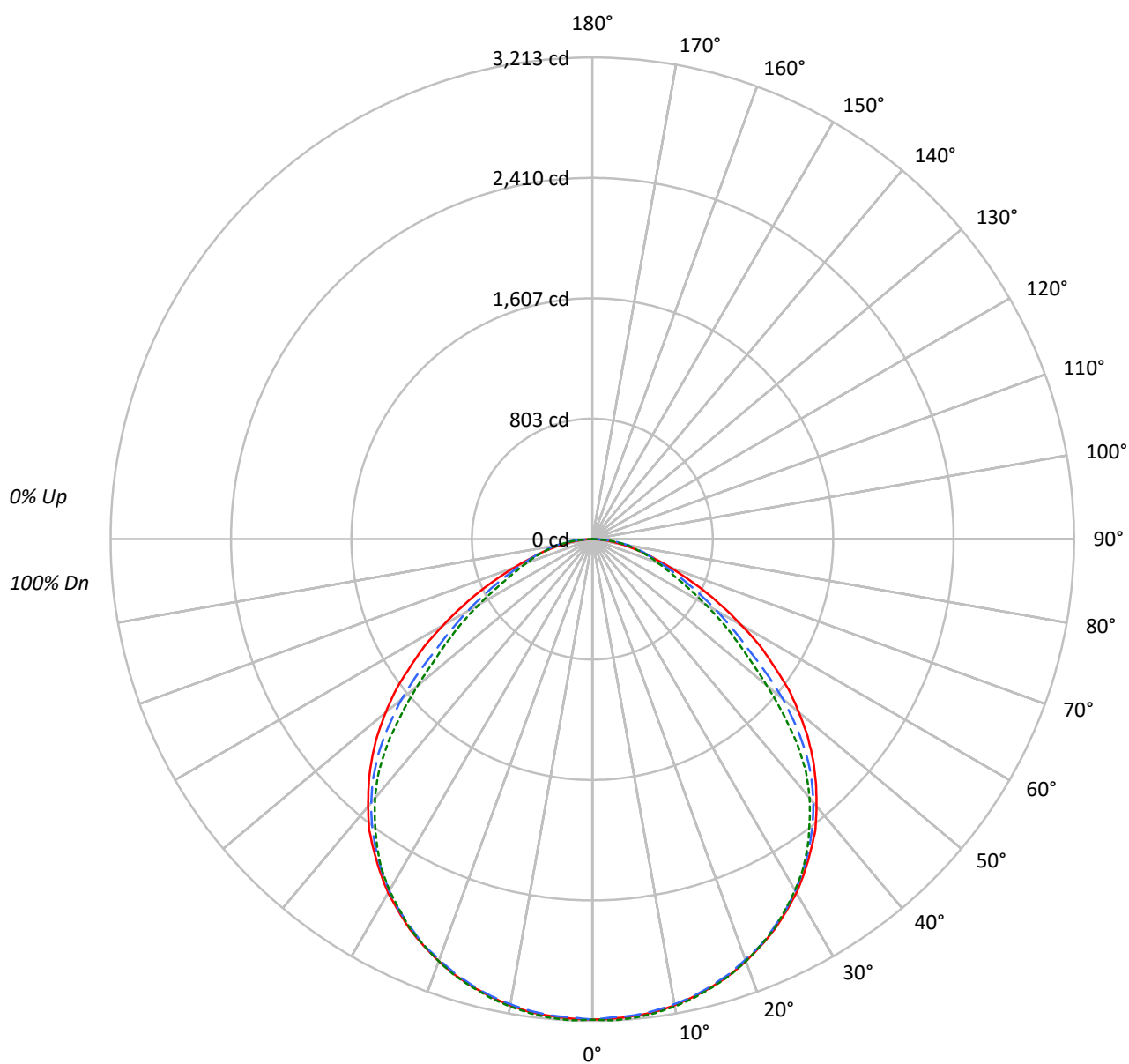
Lumens per Lamp: N/A
Luminaire Lumens: 7991.8 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4312	4312	4312
5°	4313	4308	4329
10°	4314	4304	4325
15°	4305	4294	4310
20°	4290	4273	4290
25°	4267	4249	4260
30°	4232	4208	4201
35°	4170	4138	4112
40°	4085	4030	3960
45°	3960	3833	3675
50°	3763	3474	3177
55°	3468	2950	2737
60°	3087	2578	2344
65°	2649	2235	1996
70°	2186	1970	1830
75°	1844	1884	1784
80°	1558	1924	1834
85°	1220	1948	1706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3960 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.9	3.8
10°-20°	872.0	10.9
20°-30°	1320.9	16.5
30°-40°	1573.9	19.7
40°-50°	1539.1	19.3
50°-60°	1164.2	14.6
60°-70°	715.2	8.9
70°-80°	381.0	4.8
80°-90°	121.6	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°	2496.8	31.2
0°-40°	4070.7	50.9
0°-60°	6774.0	84.8
0°-90°	7991.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7991.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3205	3205	3205	3205	3205	
5°	3193	3197	3189	3201	3205	304
15°	3091	3094	3083	3094	3094	872
25°	2874	2870	2862	2866	2870	1324
35°	2539	2535	2519	2507	2504	1588
45°	2081	2070	2014	1947	1932	1601
55°	1478	1403	1258	1187	1167	1324
65°	832	765	702	646	627	828
75°	355	359	362	351	343	380
85°	79	103	126	118	110	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3205.0	3205.0	3205.0	3205.0	3205.0
2.5°	3201.3	3205.0	3193.0	3209.1	3212.9
5°	3193.0	3197.1	3189.3	3201.3	3205.0
7.5°	3181.4	3181.4	3173.5	3185.1	3189.3
10°	3157.8	3157.8	3150.0	3161.5	3165.7
12.5°	3126.4	3126.4	3122.2	3130.1	3134.2
15°	3090.8	3094.5	3082.9	3094.5	3094.5
17.5°	3047.3	3043.6	3039.5	3047.3	3051.5
20°	2996.0	2996.0	2984.4	2992.3	2996.0
22.5°	2936.8	2936.8	2933.1	2936.8	2933.1
25°	2873.9	2869.8	2861.9	2866.0	2869.8
27.5°	2799.0	2799.0	2791.1	2791.1	2787.0
30°	2724.1	2719.9	2708.4	2700.5	2704.2
32.5°	2633.4	2629.3	2617.7	2609.9	2613.6
35°	2538.7	2534.9	2519.2	2507.2	2503.5
37.5°	2444.3	2432.3	2412.4	2396.7	2381.0
40°	2325.9	2313.9	2294.5	2258.9	2254.8
42.5°	2207.6	2196.0	2164.1	2121.1	2109.1
45°	2081.3	2069.8	2014.3	1947.3	1931.5
47.5°	1947.3	1927.8	1840.9	1758.1	1726.7
50°	1797.8	1762.3	1659.6	1553.3	1517.7
52.5°	1651.8	1588.8	1454.7	1360.0	1324.8
55°	1478.3	1403.4	1257.7	1186.6	1166.7
57.5°	1324.8	1222.2	1103.8	1033.0	1017.3
60°	1147.2	1052.5	958.1	894.8	871.2
62.5°	985.4	902.6	824.0	768.6	741.2
65°	831.9	764.8	701.9	646.5	627.0
67.5°	682.1	646.5	595.1	552.1	540.1
70°	555.8	536.0	500.8	480.9	465.2
72.5°	441.6	449.5	425.9	418.0	406.0
75°	354.7	358.8	362.5	351.0	343.1
77.5°	268.2	287.6	303.4	295.5	287.6
80°	201.1	220.6	248.3	236.7	236.7
82.5°	137.8	161.8	185.4	177.5	173.4
85°	79.0	102.6	126.2	118.4	110.5
87.5°	31.5	51.3	55.0	55.0	51.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)