

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: P1051049

Luminaire Tested: 24PTR-30-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051049
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-30-PW1-L930-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

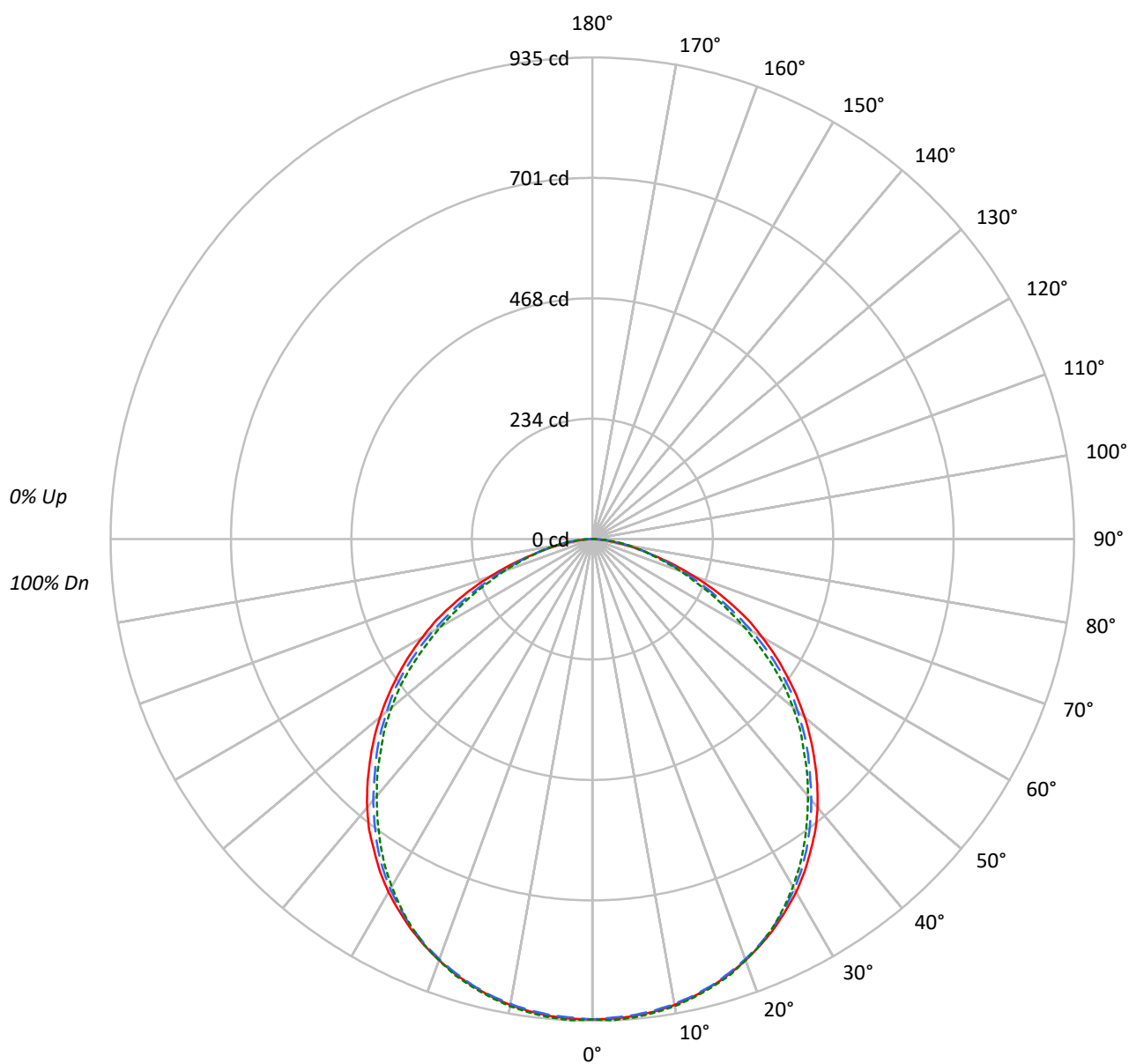
Lumens per Lamp: N/A
Luminaire Lumens: 2473.5 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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	47	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°	1254	1254	1254
5°	1255	1252	1259
10°	1255	1252	1258
15°	1251	1249	1254
20°	1246	1243	1246
25°	1239	1234	1233
30°	1229	1219	1210
35°	1213	1194	1179
40°	1194	1162	1143
45°	1161	1127	1104
50°	1126	1089	1064
55°	1079	1043	1001
60°	1023	963	913
65°	947	860	817
70°	821	749	720
75°	655	640	623
80°	498	556	556
85°	367	474	474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1161 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	3.6
10°-20°	253.5	10.2
20°-30°	383.2	15.5
30°-40°	455.0	18.4
40°-50°	458.4	18.5
50°-60°	396.2	16.0
60°-70°	270.8	10.9
70°-80°	133.5	5.4
80°-90°	34.5	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°	725.1	29.3
0°-40°	1180.1	47.7
0°-60°	2034.6	82.3
0°-90°	2473.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2473.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	932	932	932	932	932	
5°	929	930	927	931	932	88
15°	898	899	896	900	900	253
25°	834	834	831	832	830	384
35°	738	736	727	721	718	462
45°	610	604	592	585	580	471
55°	460	459	444	431	427	411
65°	297	287	270	258	257	294
75°	126	125	123	123	120	137
85°	24	28	31	31	31	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	932.1	932.1	932.1	932.1	932.1
2.5°	931.8	932.1	929.7	933.8	934.8
5°	929.3	929.7	927.3	931.1	932.1
7.5°	924.9	925.5	922.8	926.5	927.3
10°	918.3	918.6	916.2	920.0	920.8
12.5°	909.3	909.6	907.6	911.0	911.0
15°	897.9	898.9	896.5	899.7	899.9
17.5°	885.1	885.5	883.1	886.5	887.3
20°	869.9	869.9	867.9	870.7	869.9
22.5°	853.0	853.0	850.6	852.0	852.6
25°	834.4	833.7	830.9	831.7	830.3
27.5°	813.0	813.0	808.1	808.1	805.7
30°	791.3	789.5	784.3	781.2	778.8
32.5°	766.3	763.9	757.4	751.8	750.1
35°	738.4	735.9	727.2	720.7	718.0
37.5°	711.4	705.9	694.5	688.0	684.8
40°	679.9	673.0	661.4	652.3	650.9
42.5°	646.2	640.7	625.5	618.8	617.2
45°	610.3	603.6	592.2	585.3	580.2
47.5°	575.0	570.1	557.1	548.8	547.0
50°	538.0	533.9	520.4	511.5	508.4
52.5°	499.7	497.0	485.5	474.1	470.4
55°	460.1	458.7	444.5	431.3	426.8
57.5°	421.0	419.3	401.6	386.4	382.3
60°	380.3	375.1	357.8	343.6	339.1
62.5°	341.6	330.6	311.9	300.8	295.7
65°	297.3	286.6	270.1	258.3	256.6
67.5°	253.9	241.1	228.3	221.0	215.5
70°	208.6	199.9	190.3	184.1	183.1
72.5°	166.4	160.3	155.4	151.6	148.5
75°	126.0	125.0	123.2	123.2	119.8
77.5°	92.6	95.0	96.4	96.0	96.8
80°	64.3	69.0	71.8	72.2	71.8
82.5°	40.8	46.3	50.8	51.5	52.2
85°	23.8	28.0	30.7	31.4	30.7
87.5°	10.7	13.4	14.2	14.8	14.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)