

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: P1050221

Luminaire Tested: PTR-14-30-PL1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PL1-L830-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

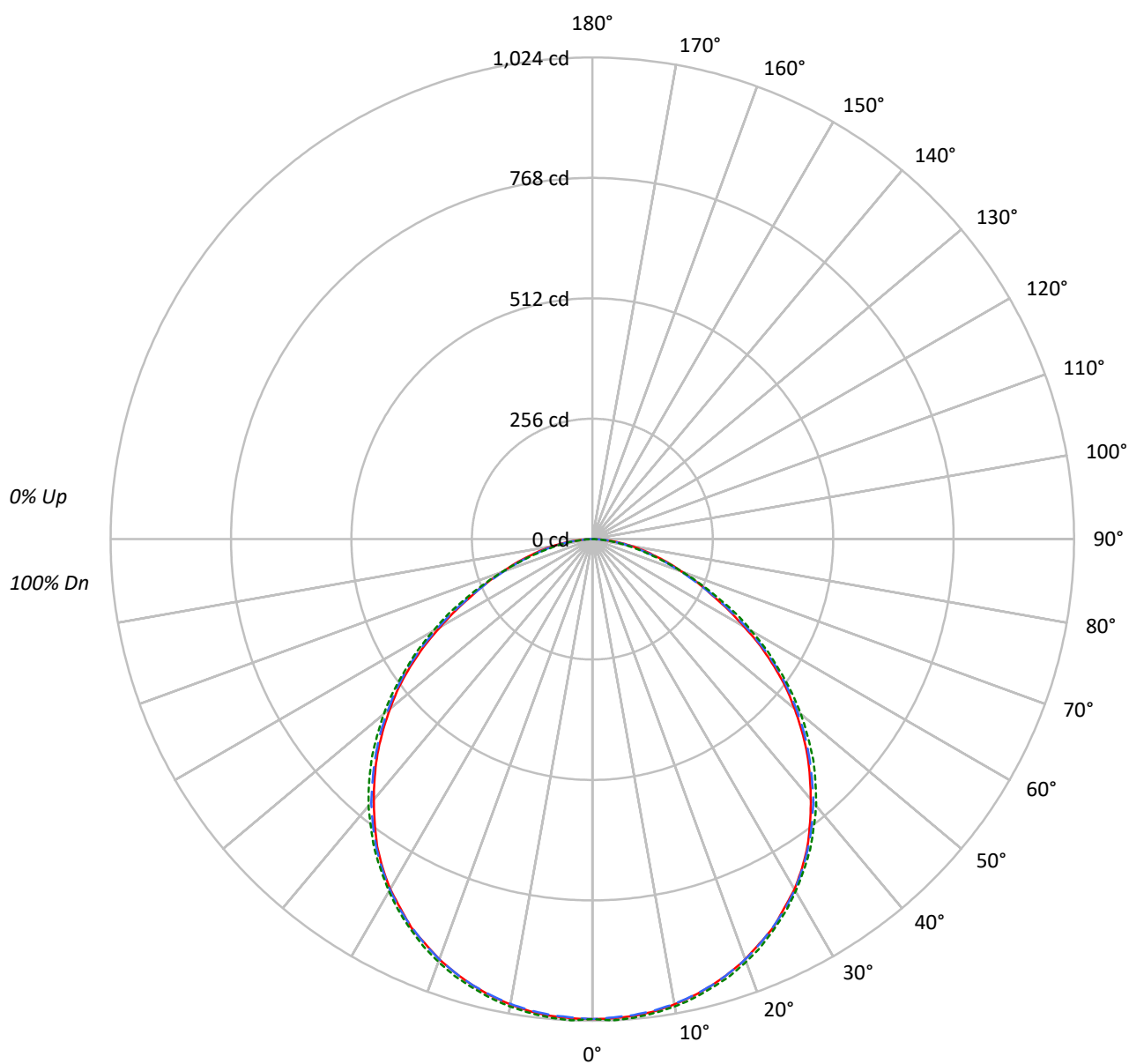
Lumens per Lamp: N/A
Luminaire Lumens: 2689.9 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2746	2746	2746
5°	2749	2743	2759
10°	2745	2742	2757
15°	2737	2735	2749
20°	2723	2723	2738
25°	2704	2701	2716
30°	2670	2674	2687
35°	2620	2629	2650
40°	2538	2568	2600
45°	2459	2479	2527
50°	2351	2376	2423
55°	2214	2250	2276
60°	2008	2051	2102
65°	1784	1803	1875
70°	1594	1562	1601
75°	1438	1356	1329
80°	1308	1213	1077
85°	1108	1007	865

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2527 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	3.6
10°-20°	277.6	10.3
20°-30°	419.9	15.6
30°-40°	500.6	18.6
40°-50°	503.3	18.7
50°-60°	427.2	15.9
60°-70°	284.4	10.6
70°-80°	142.0	5.3
80°-90°	38.0	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°	794.4	29.5
0°-40°	1294.9	48.1
0°-60°	2225.5	82.7
0°-90°	2689.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2689.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1020	1020	1020	1020	1020	
5°	1018	1018	1016	1020	1021	97
15°	982	983	982	986	987	277
25°	911	911	910	914	915	419
35°	797	798	800	806	807	497
45°	646	647	652	660	664	497
55°	472	475	480	484	485	421
65°	280	282	283	287	294	281
75°	138	136	130	127	128	149
85°	36	35	33	31	28	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1020.5	1020.5	1020.5	1020.5	1020.5
2.5°	1019.6	1020.5	1017.7	1022.7	1023.9
5°	1017.5	1017.7	1015.5	1020.1	1021.2
7.5°	1012.5	1012.9	1010.6	1015.5	1016.2
10°	1004.5	1005.4	1003.4	1008.0	1009.1
12.5°	994.4	995.5	993.5	998.5	999.3
15°	982.3	983.4	981.9	986.0	986.8
17.5°	967.4	968.3	967.4	971.3	973.5
20°	950.8	950.8	950.8	954.3	956.2
22.5°	930.1	932.0	931.2	935.7	937.6
25°	910.8	910.8	909.6	913.9	914.6
27.5°	883.9	886.9	886.7	890.4	891.2
30°	859.3	860.1	860.6	863.2	864.7
32.5°	829.5	830.2	831.4	835.1	835.6
35°	797.4	798.2	800.4	806.0	806.8
37.5°	760.0	764.1	766.0	772.1	772.8
40°	722.5	725.1	730.9	737.2	740.2
42.5°	684.3	687.3	690.8	699.4	702.2
45°	646.1	647.2	651.5	660.1	664.0
47.5°	603.8	607.2	610.9	618.5	620.8
50°	561.5	565.2	567.5	574.3	578.8
52.5°	518.8	522.2	524.8	528.9	533.5
55°	471.9	475.2	479.5	484.0	485.1
57.5°	424.2	427.9	430.7	435.5	440.4
60°	373.1	377.4	381.1	385.6	390.6
62.5°	325.6	327.4	331.2	338.8	345.9
65°	280.1	282.5	283.1	287.4	294.5
67.5°	242.3	242.3	238.9	240.4	248.4
70°	202.6	201.1	198.5	197.0	203.5
72.5°	170.5	168.6	162.9	160.3	163.8
75°	138.3	136.4	130.4	127.4	127.8
77.5°	111.1	108.1	103.2	98.0	96.9
80°	84.4	83.1	78.3	73.4	69.5
82.5°	59.8	57.2	54.4	51.4	48.4
85°	35.9	35.2	32.6	30.6	28.0
87.5°	14.7	14.7	14.0	13.2	12.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)