

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: P1050417

Luminaire Tested: PTR-14-30-PW1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050417
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: PTR-14-30-PW1-L830-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

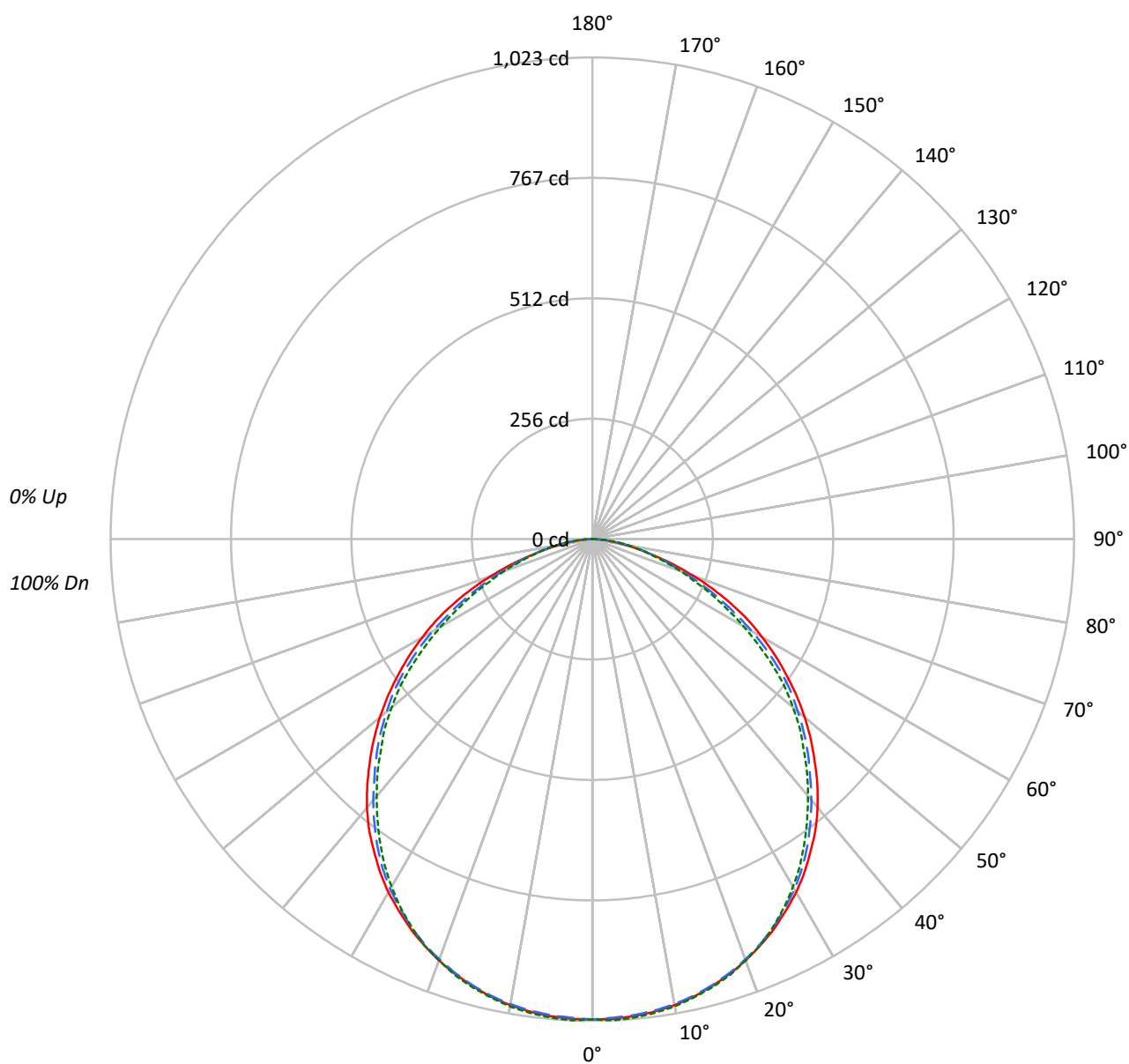
Lumens per Lamp: N/A
Luminaire Lumens: 2707.2 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	2745	2745	2745
5°	2747	2742	2756
10°	2746	2740	2754
15°	2738	2734	2744
20°	2727	2720	2727
25°	2712	2700	2698
30°	2691	2668	2649
35°	2655	2615	2581
40°	2614	2543	2503
45°	2542	2467	2417
50°	2465	2385	2329
55°	2362	2282	2191
60°	2240	2108	1997
65°	2072	1882	1789
70°	1796	1638	1577
75°	1434	1403	1364
80°	1089	1218	1218
85°	806	1041	1041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2542 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	3.6
10°-20°	277.5	10.3
20°-30°	419.4	15.5
30°-40°	498.0	18.4
40°-50°	501.7	18.5
50°-60°	433.6	16.0
60°-70°	296.4	10.9
70°-80°	146.1	5.4
80°-90°	37.8	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°	793.6	29.3
0°-40°	1291.6	47.7
0°-60°	2226.9	82.3
0°-90°	2707.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2707.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1020	1020	1020	1020	1020	
5°	1017	1018	1015	1019	1020	97
15°	983	984	981	985	985	277
25°	913	912	909	910	909	421
35°	808	805	796	789	786	506
45°	668	661	648	641	635	515
55°	504	502	486	472	467	450
65°	325	314	296	283	281	321
75°	138	137	135	135	131	150
85°	26	31	34	34	34	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1020.1	1020.1	1020.1	1020.1	1020.1
2.5°	1019.8	1020.1	1017.5	1022.0	1023.1
5°	1017.1	1017.5	1014.9	1019.0	1020.1
7.5°	1012.3	1013.0	1010.0	1014.1	1014.9
10°	1005.0	1005.4	1002.8	1006.9	1007.8
12.5°	995.3	995.5	993.3	997.0	997.0
15°	982.8	983.9	981.2	984.7	985.0
17.5°	968.7	969.2	966.6	970.3	971.1
20°	952.1	952.1	949.9	953.0	952.1
22.5°	933.6	933.6	931.0	932.5	933.2
25°	913.3	912.4	909.4	910.2	908.7
27.5°	889.8	889.8	884.4	884.4	881.8
30°	866.0	864.1	858.5	855.0	852.4
32.5°	838.7	836.1	828.9	822.9	821.0
35°	808.2	805.4	796.0	788.8	785.8
37.5°	778.7	772.6	760.1	753.0	749.5
40°	744.2	736.6	723.8	714.0	712.4
42.5°	707.2	701.2	684.6	677.3	675.5
45°	667.9	660.7	648.2	640.6	635.0
47.5°	629.4	624.0	609.7	600.6	598.7
50°	588.8	584.3	569.6	559.8	556.4
52.5°	546.9	543.9	531.4	518.9	514.8
55°	503.5	502.0	486.5	472.1	467.1
57.5°	460.8	458.9	439.5	422.9	418.4
60°	416.2	410.5	391.6	376.1	371.1
62.5°	373.9	361.8	341.3	329.2	323.6
65°	325.4	313.7	295.6	282.7	280.9
67.5°	277.9	263.9	249.8	241.9	235.8
70°	228.3	218.8	208.2	201.5	200.4
72.5°	182.1	175.4	170.0	165.9	162.5
75°	137.9	136.8	134.9	134.9	131.2
77.5°	101.4	104.0	105.5	105.1	105.9
80°	70.3	75.5	78.6	79.0	78.6
82.5°	44.6	50.7	55.6	56.3	57.1
85°	26.1	30.6	33.7	34.3	33.7
87.5°	11.7	14.7	15.5	16.2	15.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)