

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: P1050074

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-L830-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

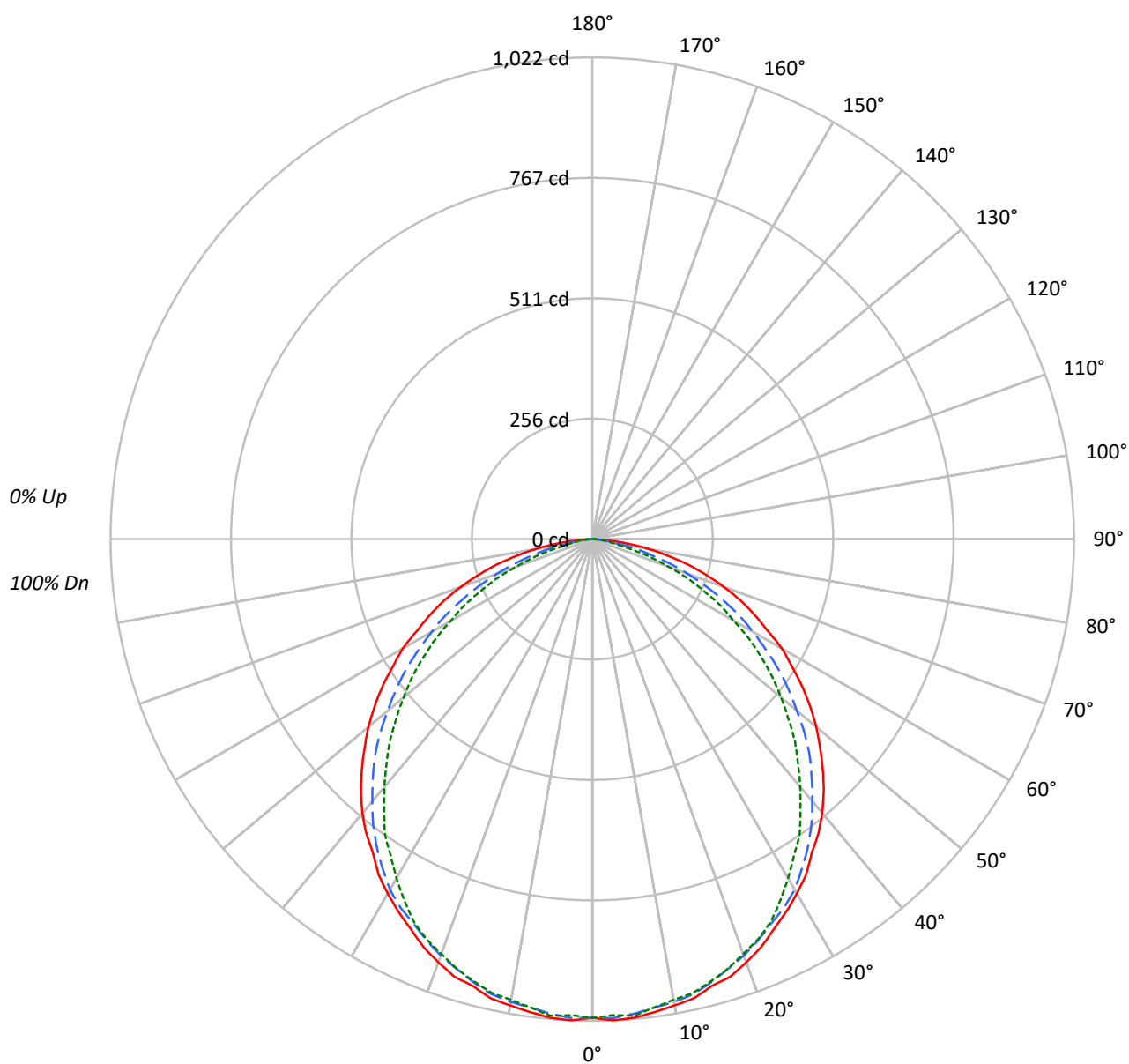
Lumens per Lamp: N/A
Luminaire Lumens: 2705.5 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050074

CATALOG NUMBER: PTR-14-30-L830-UNV-STD-W

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	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2733	2733	2733
5°	2753	2731	2742
10°	2746	2724	2713
15°	2734	2712	2707
20°	2735	2692	2682
25°	2709	2669	2660
30°	2697	2667	2581
35°	2667	2619	2518
40°	2665	2550	2410
45°	2632	2484	2314
50°	2596	2373	2188
55°	2546	2262	2055
60°	2500	2116	1865
65°	2415	1941	1668
70°	2337	1690	1361
75°	2195	1333	937
80°	1903	806	563
85°	1269	580	540

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2632 cd/sqm

TEST NUMBER: P1050074

CATALOG NUMBER: PTR-14-30-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	3.6
10°-20°	275.5	10.2
20°-30°	416.2	15.4
30°-40°	494.8	18.3
40°-50°	501.8	18.5
50°-60°	435.8	16.1
60°-70°	309.3	11.4
70°-80°	147.8	5.5
80°-90°	28.0	1.0
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°	788.0	29.1
0°-40°	1282.8	47.4
0°-60°	2220.3	82.1
0°-90°	2705.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2705.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1016	1016	1016	1016	1016	
5°	1019	1016	1011	1013	1015	97
15°	981	984	973	972	972	278
25°	912	911	899	903	896	421
35°	812	811	797	770	766	510
45°	692	685	653	618	608	533
55°	543	526	482	454	438	485
65°	379	351	305	272	262	376
75°	211	172	128	102	90	221
85°	41	22	19	18	18	52
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-30-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1015.7	1015.7	1015.7	1015.7	1015.7
2.5°	1021.8	1018.1	1016.9	1021.2	1010.9
5°	1019.3	1015.7	1010.9	1013.3	1015.1
7.5°	1012.1	1009.1	1002.4	1007.9	1002.4
10°	1004.8	1001.8	997.0	998.8	992.7
12.5°	997.6	990.3	989.1	990.3	986.1
15°	981.2	983.7	973.4	972.2	971.6
17.5°	973.4	967.3	956.4	957.0	955.8
20°	955.2	948.0	940.1	938.9	936.5
22.5°	936.5	928.0	920.7	924.4	918.9
25°	912.3	911.1	899.0	902.6	895.9
27.5°	891.1	886.9	881.4	873.6	863.9
30°	868.1	863.9	858.4	837.9	830.6
32.5°	843.9	839.1	828.2	804.0	796.1
35°	811.8	810.6	797.3	770.1	766.5
37.5°	787.6	774.3	763.5	735.6	725.3
40°	758.6	751.4	725.9	699.3	686.0
42.5°	726.5	718.1	689.0	660.6	646.1
45°	691.5	685.4	652.7	618.3	608.0
47.5°	655.2	649.7	611.0	577.7	564.4
50°	620.1	613.4	566.8	534.8	522.7
52.5°	582.0	571.1	525.1	493.6	482.1
55°	542.6	526.3	482.1	453.7	438.0
57.5°	500.9	485.8	436.8	407.1	394.4
60°	464.6	443.4	393.2	363.0	346.6
62.5°	418.0	399.9	352.1	316.4	308.5
65°	379.3	350.9	304.9	272.2	261.9
67.5°	340.0	306.7	260.1	226.9	221.4
70°	297.0	262.5	214.8	182.1	173.0
72.5°	253.5	219.6	173.0	138.5	133.1
75°	211.1	172.4	128.2	101.6	90.1
77.5°	165.2	130.1	90.1	62.3	55.1
80°	122.8	87.7	52.0	36.9	36.3
82.5°	80.5	50.8	27.8	28.4	27.2
85°	41.1	21.8	18.8	18.1	17.5
87.5°	7.9	8.5	9.1	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)