

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: P1050368

Luminaire Tested: PTR-14-30-PR1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PR1-L830-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

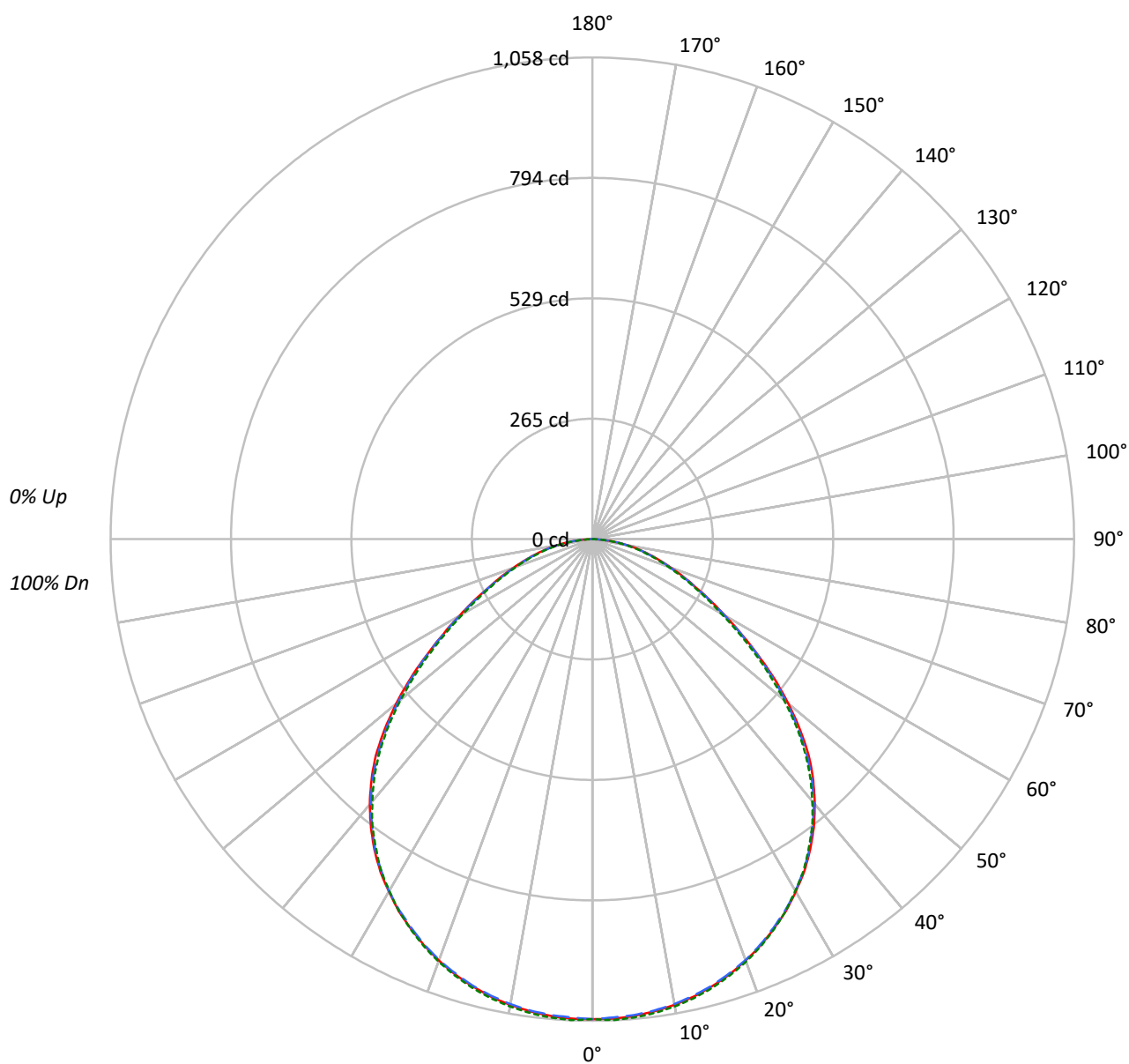
Lumens per Lamp: N/A
Luminaire Lumens: 2666.9 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2838	2838	2838
5°	2840	2834	2850
10°	2838	2833	2848
15°	2833	2828	2842
20°	2821	2817	2828
25°	2802	2795	2806
30°	2778	2774	2771
35°	2739	2733	2722
40°	2670	2660	2641
45°	2559	2530	2512
50°	2354	2328	2299
55°	2084	2075	2034
60°	1810	1804	1755
65°	1596	1586	1555
70°	1448	1427	1398
75°	1340	1309	1285
80°	1224	1207	1167
85°	966	957	920

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2559 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	3.8
10°-20°	287.1	10.8
20°-30°	435.0	16.3
30°-40°	519.2	19.5
40°-50°	510.6	19.1
50°-60°	394.7	14.8
60°-70°	248.9	9.3
70°-80°	134.6	5.0
80°-90°	36.8	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°	822.1	30.8
0°-40°	1341.3	50.3
0°-60°	2246.6	84.2
0°-90°	2666.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2666.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1054	1054	1054	1054	1054	
5°	1052	1052	1049	1054	1055	100
15°	1017	1017	1015	1018	1020	287
25°	944	944	942	944	945	435
35°	834	834	832	831	828	521
45°	672	670	665	660	660	515
55°	444	448	442	435	434	399
65°	251	251	249	245	244	252
75°	129	127	126	127	124	137
85°	31	32	31	31	30	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1054.5	1054.5	1054.5	1054.5	1054.5
2.5°	1054.1	1054.5	1051.5	1056.4	1057.5
5°	1051.5	1051.9	1049.2	1053.7	1054.9
7.5°	1046.1	1047.0	1044.4	1048.9	1050.0
10°	1038.6	1039.4	1036.8	1041.3	1042.4
12.5°	1029.3	1029.5	1027.3	1031.5	1032.6
15°	1016.8	1017.0	1015.2	1018.5	1020.1
17.5°	1002.3	1002.8	1000.1	1004.3	1004.9
20°	985.0	985.3	983.8	987.2	987.6
22.5°	965.7	966.5	964.2	967.2	967.6
25°	943.8	944.5	941.5	944.5	944.9
27.5°	920.8	921.0	918.4	920.8	920.4
30°	893.9	896.2	892.8	891.9	891.7
32.5°	866.0	866.3	863.0	862.1	863.6
35°	833.8	834.1	831.9	830.8	828.5
37.5°	798.7	798.7	794.4	793.7	793.3
40°	760.1	759.7	757.1	754.5	751.7
42.5°	718.1	718.9	713.5	709.0	708.3
45°	672.3	669.7	664.8	659.6	660.0
47.5°	618.4	619.1	612.3	608.1	607.0
50°	562.3	562.3	556.0	551.5	549.2
52.5°	503.8	504.3	498.2	492.2	490.9
55°	444.1	447.8	442.2	435.0	433.5
57.5°	388.2	391.2	385.9	378.3	377.9
60°	336.4	336.7	335.2	328.1	326.1
62.5°	292.2	290.3	289.5	285.8	283.4
65°	250.6	251.0	249.1	244.9	244.2
67.5°	217.0	216.6	213.1	210.5	209.0
70°	184.0	182.9	181.4	179.2	177.7
72.5°	154.6	154.6	153.4	152.7	150.1
75°	128.9	127.4	125.9	126.6	123.6
77.5°	104.4	102.9	101.6	100.1	99.4
80°	79.0	77.5	77.9	75.5	75.3
82.5°	54.8	54.8	54.1	52.2	52.6
85°	31.3	31.7	31.0	31.3	29.8
87.5°	11.4	11.7	12.5	11.7	11.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)