

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: P1050123

Luminaire Tested: PTR-14-30-PB1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PB1-L830-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

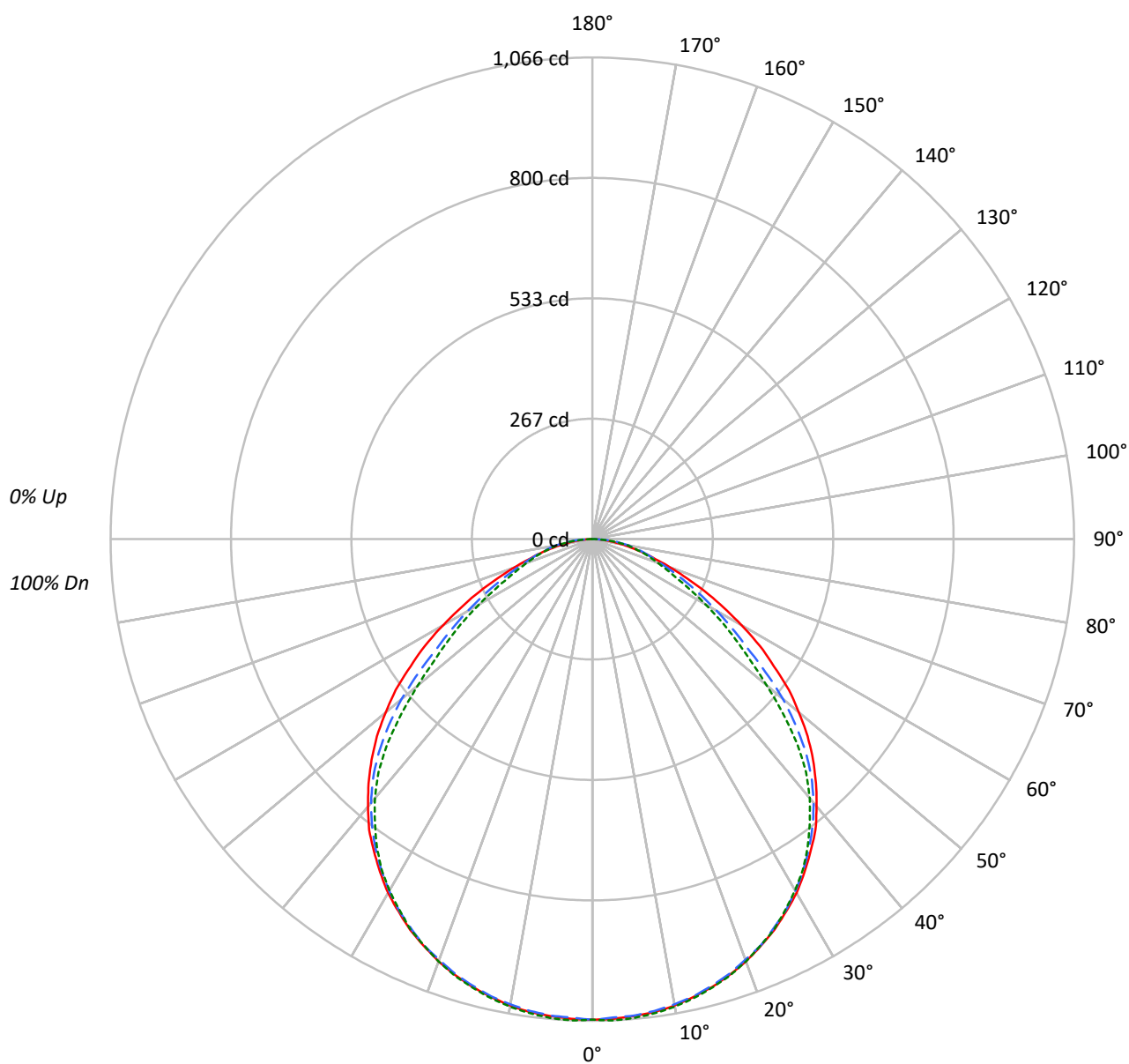
Lumens per Lamp: N/A
Luminaire Lumens: 2652.5 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2862	2862	2862
5°	2863	2859	2873
10°	2864	2857	2871
15°	2858	2851	2861
20°	2848	2836	2848
25°	2832	2820	2828
30°	2809	2793	2789
35°	2768	2747	2730
40°	2712	2675	2629
45°	2629	2544	2440
50°	2498	2306	2109
55°	2302	1958	1817
60°	2049	1711	1556
65°	1758	1484	1325
70°	1452	1308	1215
75°	1224	1251	1184
80°	1035	1277	1218
85°	809	1294	1133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2629 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	3.8
10°-20°	289.4	10.9
20°-30°	438.4	16.5
30°-40°	522.4	19.7
40°-50°	510.8	19.3
50°-60°	386.4	14.6
60°-70°	237.4	8.9
70°-80°	126.5	4.8
80°-90°	40.4	1.5
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°	828.7	31.2
0°-40°	1351.0	50.9
0°-60°	2248.3	84.8
0°-90°	2652.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2652.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1064	1064	1064	1064	1064	
5°	1060	1061	1058	1062	1064	101
15°	1026	1027	1023	1027	1027	290
25°	954	952	950	951	952	439
35°	843	841	836	832	831	527
45°	691	687	668	646	641	531
55°	491	466	417	394	387	439
65°	276	254	233	215	208	275
75°	118	119	120	116	114	126
85°	26	34	42	39	37	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1063.7	1063.7	1063.7	1063.7	1063.7
2.5°	1062.5	1063.7	1059.8	1065.1	1066.3
5°	1059.8	1061.1	1058.5	1062.5	1063.7
7.5°	1055.9	1055.9	1053.3	1057.1	1058.5
10°	1048.1	1048.1	1045.5	1049.3	1050.7
12.5°	1037.6	1037.6	1036.3	1038.9	1040.2
15°	1025.8	1027.1	1023.2	1027.1	1027.1
17.5°	1011.4	1010.2	1008.8	1011.4	1012.8
20°	994.4	994.4	990.5	993.1	994.4
22.5°	974.7	974.7	973.5	974.7	973.5
25°	953.8	952.5	949.9	951.2	952.5
27.5°	929.0	929.0	926.4	926.4	925.0
30°	904.1	902.7	898.9	896.3	897.5
32.5°	874.0	872.7	868.8	866.2	867.4
35°	842.6	841.3	836.1	832.1	830.9
37.5°	811.3	807.3	800.7	795.5	790.2
40°	772.0	768.0	761.5	749.7	748.4
42.5°	732.7	728.8	718.3	704.0	700.0
45°	690.8	687.0	668.5	646.3	641.1
47.5°	646.3	639.8	611.0	583.5	573.1
50°	596.7	584.9	550.8	515.5	503.7
52.5°	548.2	527.3	482.8	451.4	439.7
55°	490.7	465.8	417.4	393.8	387.2
57.5°	439.7	405.6	366.3	342.9	337.6
60°	380.8	349.3	318.0	297.0	289.1
62.5°	327.1	299.6	273.5	255.1	246.0
65°	276.1	253.8	233.0	214.6	208.1
67.5°	226.4	214.6	197.5	183.2	179.3
70°	184.5	177.9	166.2	159.6	154.4
72.5°	146.6	149.2	141.3	138.7	134.8
75°	117.7	119.1	120.3	116.5	113.9
77.5°	89.0	95.5	100.7	98.1	95.5
80°	66.8	73.2	82.4	78.6	78.6
82.5°	45.7	53.7	61.5	58.9	57.6
85°	26.2	34.1	41.9	39.3	36.7
87.5°	10.4	17.0	18.3	18.3	17.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)