

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: P1050083

Luminaire Tested: PTR-14-30-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050083
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-L850-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

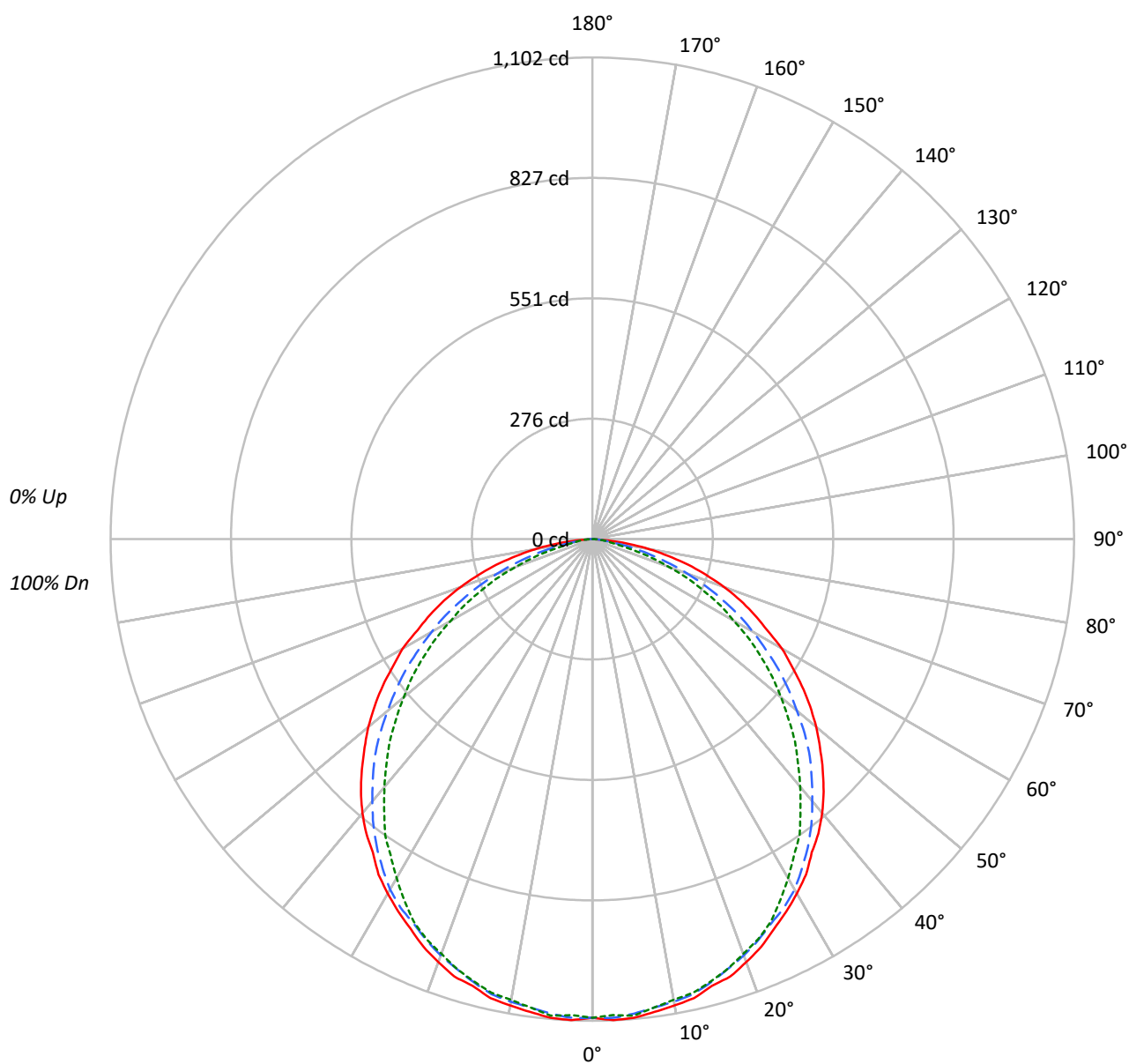
Lumens per Lamp: N/A
Luminaire Lumens: 2917.1 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	2947	2947	2947
5°	2969	2944	2957
10°	2960	2937	2925
15°	2947	2924	2918
20°	2949	2903	2891
25°	2920	2878	2868
30°	2908	2876	2783
35°	2875	2824	2715
40°	2873	2749	2598
45°	2837	2678	2495
50°	2799	2559	2359
55°	2745	2439	2215
60°	2696	2282	2011
65°	2604	2093	1798
70°	2520	1821	1467
75°	2366	1438	1011
80°	2052	869	606
85°	1371	624	584

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2837 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	3.6
10°-20°	297.0	10.2
20°-30°	448.7	15.4
30°-40°	533.5	18.3
40°-50°	541.1	18.5
50°-60°	469.8	16.1
60°-70°	333.5	11.4
70°-80°	159.4	5.5
80°-90°	30.2	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°	849.5	29.1
0°-40°	1383.0	47.4
0°-60°	2393.9	82.1
0°-90°	2917.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2917.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1095	1095	1095	1095	1095	
5°	1099	1095	1090	1092	1094	104
15°	1058	1061	1050	1048	1048	300
25°	984	982	969	973	966	454
35°	875	874	860	830	826	550
45°	746	739	704	667	656	575
55°	585	568	520	489	472	523
65°	409	378	329	294	282	405
75°	228	186	138	110	97	239
85°	44	24	20	20	19	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1095.1	1095.1	1095.1	1095.1	1095.1
2.5°	1101.6	1097.7	1096.4	1101.0	1089.9
5°	1099.0	1095.1	1089.9	1092.5	1094.5
7.5°	1091.2	1087.9	1080.8	1086.6	1080.8
10°	1083.4	1080.1	1074.9	1076.9	1070.3
12.5°	1075.6	1067.7	1066.4	1067.7	1063.2
15°	1057.9	1060.6	1049.5	1048.2	1047.5
17.5°	1049.5	1042.9	1031.2	1031.9	1030.5
20°	1029.9	1022.1	1013.6	1012.3	1009.7
22.5°	1009.7	1000.5	992.7	996.6	990.8
25°	983.6	982.3	969.2	973.1	966.0
27.5°	960.8	956.2	950.3	941.8	931.4
30°	936.0	931.4	925.5	903.4	895.5
32.5°	909.9	904.7	892.9	866.8	858.4
35°	875.3	874.0	859.7	830.3	826.4
37.5°	849.2	834.9	823.1	793.1	782.0
40°	817.9	810.1	782.7	754.0	739.6
42.5°	783.3	774.2	742.9	712.3	696.6
45°	745.5	739.0	703.8	666.6	655.5
47.5°	706.4	700.5	658.8	622.9	608.5
50°	668.6	661.4	611.2	576.6	563.5
52.5°	627.5	615.7	566.1	532.2	519.8
55°	585.1	567.5	519.8	489.2	472.2
57.5°	540.1	523.8	470.9	439.0	425.3
60°	500.9	478.1	424.0	391.3	373.7
62.5°	450.7	431.1	379.6	341.1	332.6
65°	409.0	378.3	328.7	293.5	282.4
67.5°	366.6	330.7	280.5	244.6	238.7
70°	320.3	283.1	231.5	196.3	186.5
72.5°	273.3	236.8	186.5	149.4	143.5
75°	227.6	185.9	138.3	109.6	97.2
77.5°	178.1	140.2	97.2	67.2	59.4
80°	132.4	94.6	56.1	39.8	39.1
82.5°	86.7	54.8	30.0	30.7	29.4
85°	44.4	23.5	20.2	19.6	18.9
87.5°	8.5	9.1	9.8	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)