

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: P1050230

Luminaire Tested: PTR-14-30-PL1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PL1-L850-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

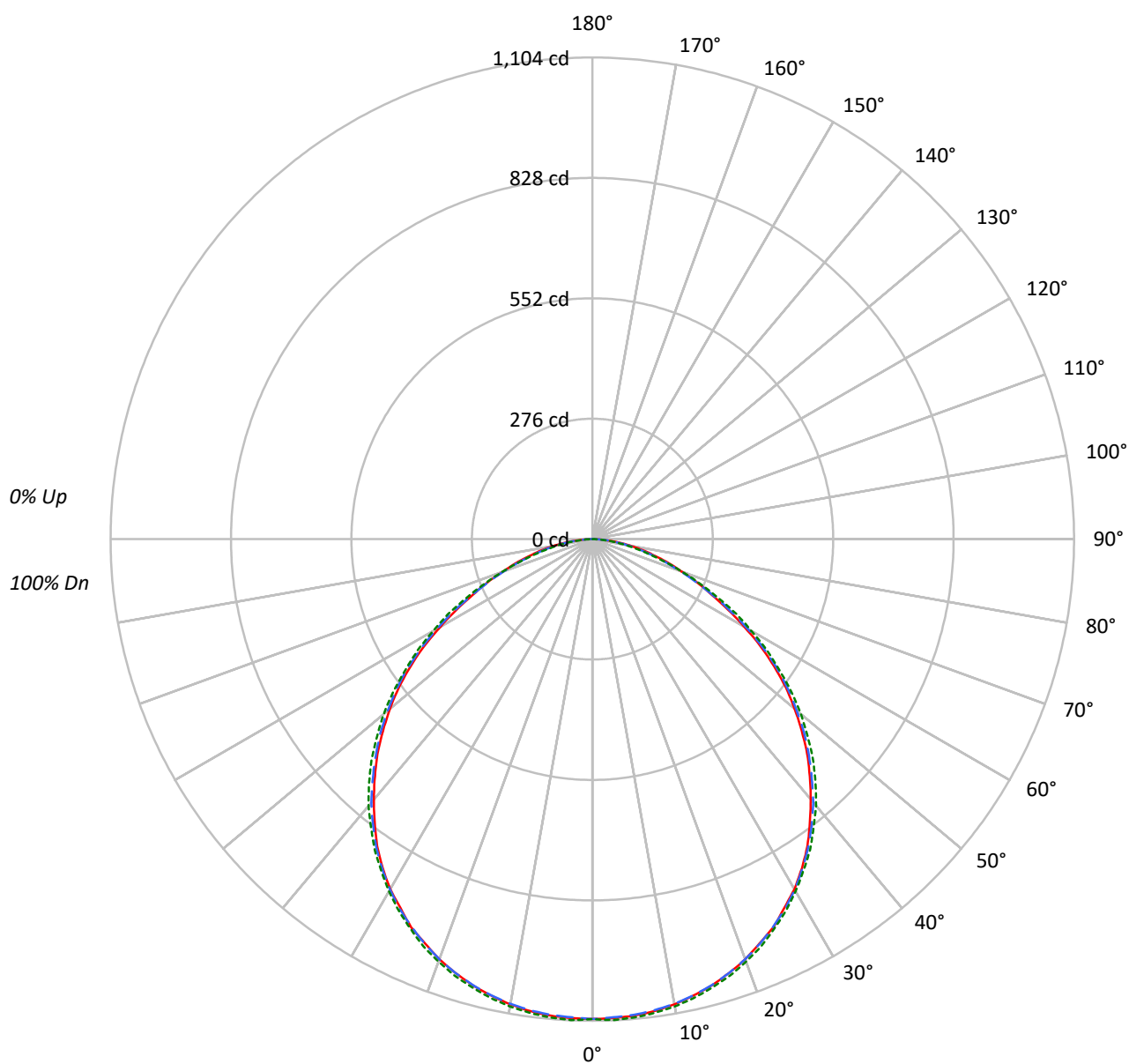
Lumens per Lamp: N/A
Luminaire Lumens: 2899.2 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2960	2960	2960
5°	2962	2957	2973
10°	2958	2955	2972
15°	2949	2948	2963
20°	2935	2935	2951
25°	2915	2911	2927
30°	2878	2882	2896
35°	2823	2834	2857
40°	2735	2767	2803
45°	2650	2672	2723
50°	2534	2561	2611
55°	2386	2425	2453
60°	2165	2210	2266
65°	1922	1943	2022
70°	1718	1684	1725
75°	1550	1461	1432
80°	1409	1308	1161
85°	1192	1084	932

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2723 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	3.6
10°-20°	299.2	10.3
20°-30°	452.6	15.6
30°-40°	539.5	18.6
40°-50°	542.5	18.7
50°-60°	460.4	15.9
60°-70°	306.6	10.6
70°-80°	153.1	5.3
80°-90°	40.9	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°	856.2	29.5
0°-40°	1395.7	48.1
0°-60°	2398.6	82.7
0°-90°	2899.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2899.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1097	1097	1094	1099	1101	104
15°	1059	1060	1058	1063	1064	299
25°	982	982	980	985	986	451
35°	859	860	863	869	870	536
45°	696	698	702	712	716	536
55°	509	512	517	522	523	453
65°	302	304	305	310	318	303
75°	149	147	140	137	138	160
85°	39	38	35	33	30	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1099.9	1099.9	1099.9	1099.9	1099.9
2.5°	1099.0	1099.9	1096.9	1102.2	1103.6
5°	1096.6	1096.9	1094.5	1099.4	1100.6
7.5°	1091.3	1091.7	1089.2	1094.5	1095.3
10°	1082.7	1083.6	1081.5	1086.4	1087.6
12.5°	1071.7	1072.9	1070.8	1076.2	1077.1
15°	1058.7	1059.9	1058.3	1062.7	1063.6
17.5°	1042.7	1043.6	1042.7	1046.9	1049.2
20°	1024.8	1024.8	1024.8	1028.5	1030.6
22.5°	1002.4	1004.5	1003.6	1008.5	1010.6
25°	981.7	981.7	980.4	985.0	985.7
27.5°	952.7	955.9	955.6	959.6	960.5
30°	926.2	927.1	927.5	930.3	932.0
32.5°	894.0	894.8	896.1	900.1	900.6
35°	859.4	860.3	862.7	868.7	869.6
37.5°	819.1	823.6	825.6	832.2	832.9
40°	778.7	781.5	787.7	794.5	797.8
42.5°	737.5	740.8	744.5	753.8	756.8
45°	696.4	697.6	702.1	711.5	715.6
47.5°	650.8	654.5	658.5	666.6	669.1
50°	605.2	609.2	611.7	618.9	623.8
52.5°	559.1	562.8	565.6	570.1	575.0
55°	508.6	512.2	516.8	521.7	522.8
57.5°	457.2	461.2	464.2	469.4	474.7
60°	402.2	406.7	410.7	415.6	421.0
62.5°	350.9	352.9	357.0	365.1	372.8
65°	301.9	304.4	305.2	309.8	317.5
67.5°	261.2	261.2	257.5	259.1	267.7
70°	218.4	216.8	214.0	212.3	219.3
72.5°	183.8	181.7	175.6	172.8	176.5
75°	149.1	147.0	140.5	137.3	137.7
77.5°	119.8	116.5	111.2	105.6	104.4
80°	90.9	89.6	84.4	79.1	74.9
82.5°	64.4	61.6	58.6	55.4	52.1
85°	38.6	37.9	35.1	33.0	30.2
87.5°	15.8	15.8	15.1	14.2	13.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)