

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: P1050328

Luminaire Tested: PTR-14-30-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PP3-L850-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

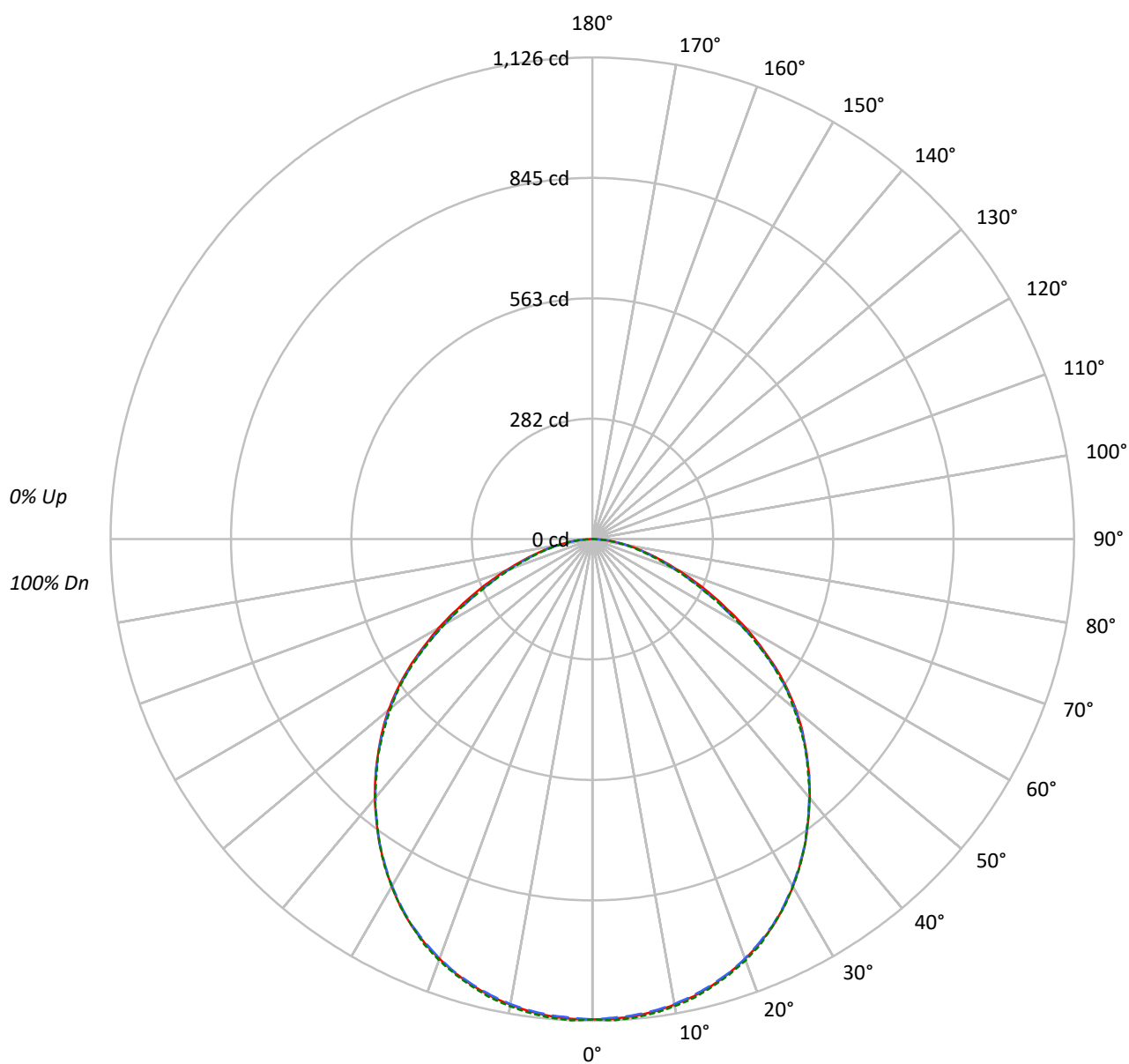
Lumens per Lamp: N/A
Luminaire Lumens: 2901.1 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3021	3021	3021
5°	3024	3018	3034
10°	3020	3016	3030
15°	3010	3004	3018
20°	2990	2988	3000
25°	2964	2959	2962
30°	2914	2908	2914
35°	2850	2847	2849
40°	2778	2768	2776
45°	2694	2686	2689
50°	2604	2591	2573
55°	2451	2423	2415
60°	2224	2150	2153
65°	1954	1855	1853
70°	1689	1613	1594
75°	1461	1408	1377
80°	1294	1275	1218
85°	1071	1105	1044

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2704 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	3.7
10°-20°	305.1	10.5
20°-30°	459.3	15.8
30°-40°	542.1	18.7
40°-50°	545.2	18.8
50°-60°	460.2	15.9
60°-70°	295.6	10.2
70°-80°	147.0	5.1
80°-90°	40.3	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°	870.8	30.0
0°-40°	1412.9	48.7
0°-60°	2418.2	83.4
0°-90°	2901.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2901.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1120	1120	1117	1122	1123	106
15°	1080	1081	1078	1083	1083	305
25°	998	998	996	998	998	459
35°	868	868	866	867	867	542
45°	708	710	706	707	707	546
55°	522	522	516	514	515	465
65°	307	302	291	288	291	306
75°	140	140	135	134	132	152
85°	35	36	36	34	34	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1122.8	1122.8	1122.8	1122.8	1122.8
2.5°	1122.4	1122.8	1119.9	1125.2	1126.1
5°	1119.6	1119.9	1117.1	1122.4	1123.1
7.5°	1113.8	1114.2	1111.7	1116.6	1117.5
10°	1105.2	1106.5	1103.6	1108.2	1108.9
12.5°	1094.7	1095.1	1092.2	1097.5	1098.4
15°	1080.5	1080.8	1078.4	1083.3	1083.3
17.5°	1064.0	1064.5	1062.9	1067.0	1066.6
20°	1044.2	1045.4	1043.3	1046.1	1047.7
22.5°	1022.6	1023.0	1020.5	1024.2	1025.8
25°	998.1	998.4	996.5	998.4	997.7
27.5°	969.6	970.3	967.5	969.6	970.0
30°	937.7	939.8	935.8	937.4	937.7
32.5°	903.5	904.7	901.9	902.3	904.4
35°	867.7	868.1	866.5	867.2	867.2
37.5°	829.0	830.6	828.1	829.3	827.7
40°	790.7	789.0	788.1	789.0	790.2
42.5°	750.2	750.7	749.5	748.6	746.7
45°	707.9	710.4	705.8	706.7	706.7
47.5°	666.4	666.7	664.3	661.8	660.2
50°	622.0	622.0	619.0	617.1	614.6
52.5°	573.4	572.7	569.4	567.3	568.5
55°	522.5	522.0	516.4	514.3	514.8
57.5°	466.6	467.5	458.9	456.9	456.9
60°	413.3	409.2	399.4	396.6	400.1
62.5°	357.3	352.5	341.9	341.9	344.8
65°	306.8	302.4	291.4	288.5	291.0
67.5°	259.6	255.5	245.4	243.8	244.5
70°	214.7	211.2	205.0	201.3	202.6
72.5°	176.1	172.8	168.7	165.9	164.2
75°	140.5	139.8	135.4	134.0	132.4
77.5°	111.2	110.9	107.2	105.6	104.0
80°	83.5	83.1	82.3	79.8	78.6
82.5°	59.5	59.5	59.1	57.0	55.8
85°	34.7	35.8	35.8	33.8	33.8
87.5°	13.9	14.7	13.9	13.9	13.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)