

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: P1050426

Luminaire Tested: PTR-14-30-PW1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PW1-L850-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

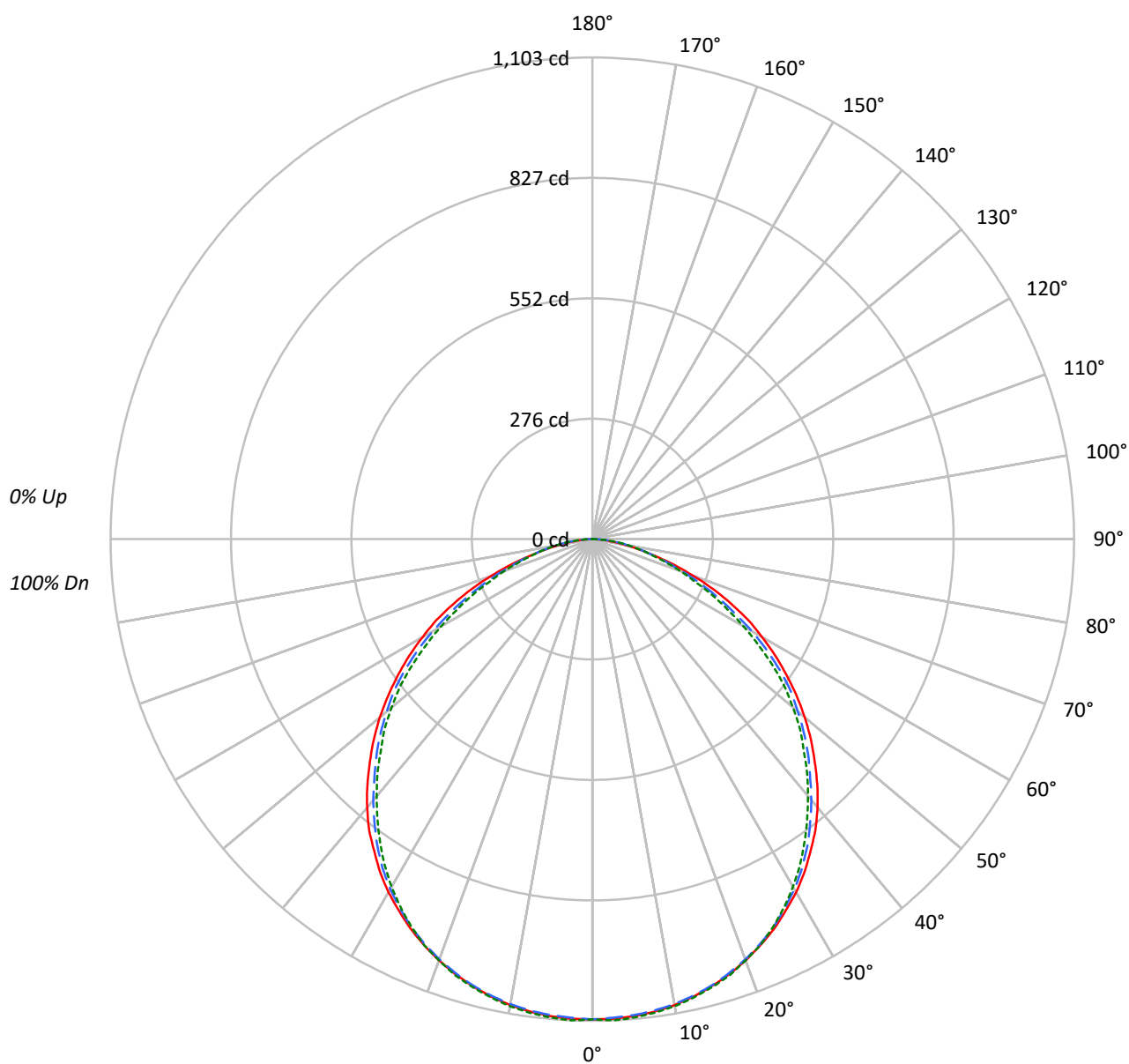
Lumens per Lamp: N/A
Luminaire Lumens: 2918.4 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050426

CATALOG NUMBER: PTR-14-30-PW1-L850-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050426

CATALOG NUMBER: PTR-14-30-PW1-L850-UNV-STD-W

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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2959	2959	2959
5°	2962	2955	2971
10°	2960	2954	2969
15°	2951	2947	2958
20°	2939	2932	2939
25°	2923	2911	2909
30°	2901	2875	2855
35°	2862	2819	2783
40°	2818	2741	2698
45°	2740	2659	2605
50°	2658	2570	2511
55°	2547	2461	2363
60°	2414	2272	2153
65°	2234	2029	1928
70°	1936	1766	1699
75°	1546	1512	1470
80°	1175	1313	1313
85°	868	1121	1121

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2740 cd/sqm

TEST NUMBER: P1050426

CATALOG NUMBER: PTR-14-30-PW1-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	3.6
10°-20°	299.1	10.3
20°-30°	452.1	15.5
30°-40°	536.8	18.4
40°-50°	540.8	18.5
50°-60°	467.5	16.0
60°-70°	319.5	10.9
70°-80°	157.6	5.4
80°-90°	40.7	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°	855.5	29.3
0°-40°	1392.3	47.7
0°-60°	2400.6	82.3
0°-90°	2918.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2918.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1096	1097	1094	1098	1100	104
15°	1059	1061	1058	1062	1062	299
25°	984	984	980	981	980	454
35°	871	868	858	850	847	545
45°	720	712	699	691	684	556
55°	543	541	524	509	504	485
65°	351	338	319	305	303	346
75°	149	148	145	145	141	162
85°	28	33	36	37	36	34
90°	0	0	0	0	0	

TEST NUMBER: P1050426

CATALOG NUMBER: PTR-14-30-PW1-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1099.7	1099.7	1099.7	1099.7	1099.7
2.5°	1099.4	1099.7	1096.9	1101.8	1103.0
5°	1096.4	1096.9	1094.1	1098.5	1099.7
7.5°	1091.3	1092.0	1088.7	1093.2	1094.1
10°	1083.4	1083.9	1081.0	1085.5	1086.4
12.5°	1072.9	1073.2	1070.8	1074.8	1074.8
15°	1059.4	1060.6	1057.8	1061.5	1061.8
17.5°	1044.3	1044.8	1042.0	1046.0	1046.8
20°	1026.4	1026.4	1024.0	1027.3	1026.4
22.5°	1006.4	1006.4	1003.6	1005.2	1006.0
25°	984.5	983.6	980.4	981.2	979.6
27.5°	959.2	959.2	953.4	953.4	950.6
30°	933.6	931.5	925.4	921.7	918.9
32.5°	904.1	901.3	893.6	887.1	885.0
35°	871.2	868.3	858.1	850.4	847.1
37.5°	839.4	832.9	819.4	811.7	808.0
40°	802.2	794.1	780.3	769.7	768.0
42.5°	762.4	755.9	738.0	730.1	728.2
45°	720.1	712.2	698.7	690.6	684.5
47.5°	678.4	672.7	657.3	647.5	645.4
50°	634.8	629.9	614.0	603.5	599.8
52.5°	589.6	586.3	572.9	559.4	555.0
55°	542.8	541.2	524.5	508.9	503.6
57.5°	496.8	494.7	473.8	455.9	451.0
60°	448.6	442.6	422.1	405.4	400.1
62.5°	403.0	390.0	367.9	354.9	348.8
65°	350.8	338.2	318.6	304.7	302.8
67.5°	299.5	284.4	269.3	260.7	254.2
70°	246.1	235.9	224.5	217.2	216.0
72.5°	196.3	189.1	183.3	178.9	175.2
75°	148.7	147.5	145.4	145.4	141.4
77.5°	109.3	112.1	113.7	113.3	114.2
80°	75.8	81.4	84.7	85.1	84.7
82.5°	48.1	54.6	60.0	60.7	61.6
85°	28.1	33.0	36.3	37.0	36.3
87.5°	12.6	15.8	16.7	17.5	16.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)