

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: P1050427

Luminaire Tested: PTR-14-70-PW1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050427
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-14-70-PW1-L850-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

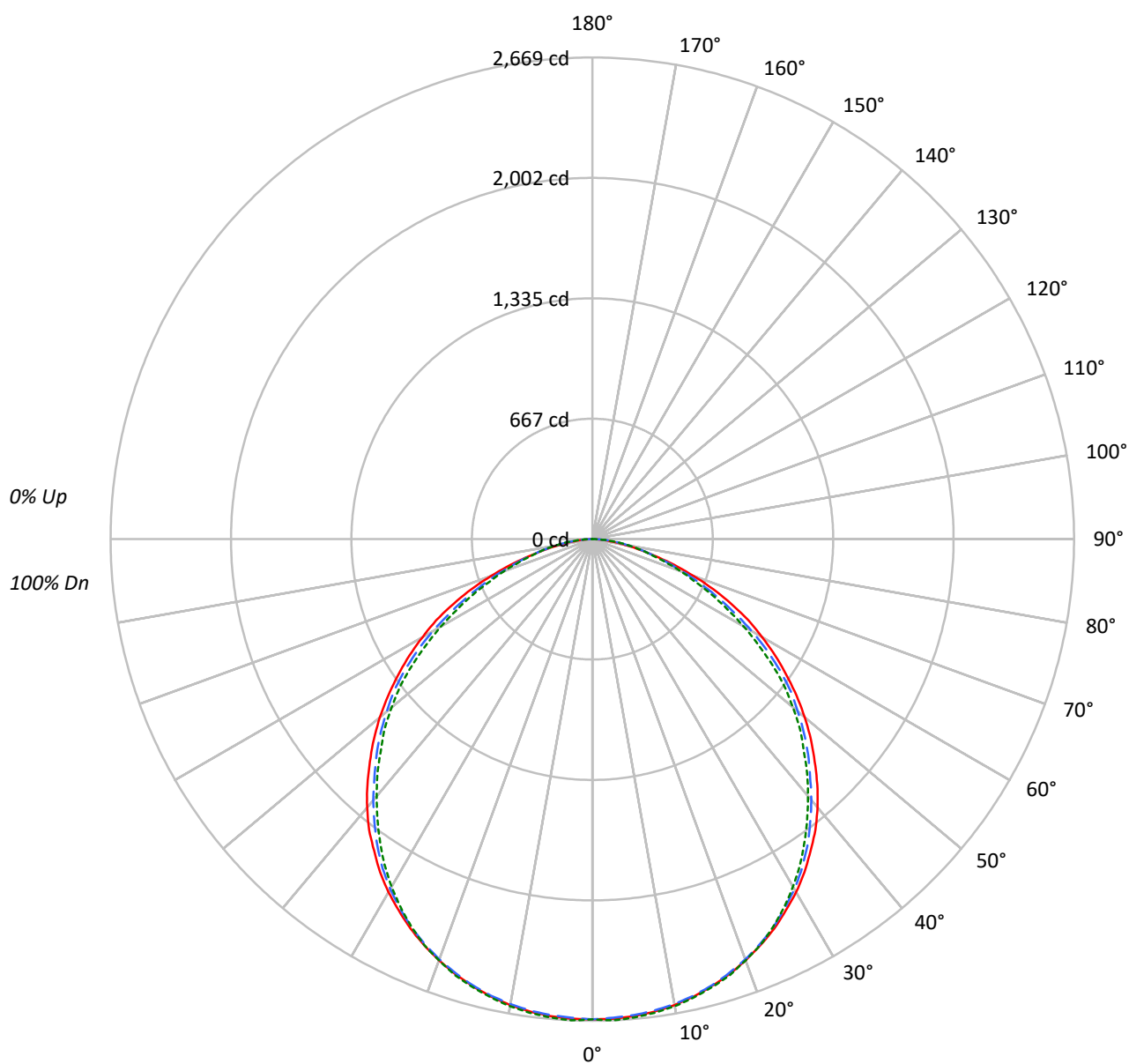
Lumens per Lamp: N/A
Luminaire Lumens: 7061.8 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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	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°	7161	7161	7161
5°	7167	7151	7188
10°	7163	7148	7183
15°	7142	7131	7158
20°	7112	7096	7112
25°	7073	7043	7038
30°	7019	6958	6909
35°	6926	6821	6734
40°	6819	6633	6528
45°	6631	6435	6304
50°	6430	6220	6076
55°	6162	5954	5717
60°	5843	5498	5210
65°	5405	4909	4665
70°	4685	4274	4113
75°	3740	3658	3558
80°	2842	3175	3175
85°	2103	2711	2711

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6631 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.4	3.6
10°-20°	723.8	10.2
20°-30°	1093.9	15.5
30°-40°	1298.9	18.4
40°-50°	1308.6	18.5
50°-60°	1131.2	16.0
60°-70°	773.1	10.9
70°-80°	381.2	5.4
80°-90°	98.6	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°	2070.1	29.3
0°-40°	3369.0	47.7
0°-60°	5808.8	82.3
0°-90°	7061.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7061.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2661	2661	2661	2661	2661	
5°	2653	2654	2647	2658	2661	252
15°	2564	2566	2560	2569	2569	724
25°	2382	2380	2372	2374	2370	1097
35°	2108	2101	2076	2058	2050	1320
45°	1742	1723	1691	1671	1656	1345
55°	1314	1310	1269	1231	1218	1174
65°	849	818	771	737	733	838
75°	360	357	352	352	342	392
85°	68	80	88	90	88	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2661.0	2661.0	2661.0	2661.0	2661.0
2.5°	2660.3	2661.0	2654.2	2666.0	2668.9
5°	2653.1	2654.2	2647.4	2658.1	2661.0
7.5°	2640.6	2642.4	2634.5	2645.2	2647.4
10°	2621.6	2622.7	2615.8	2626.6	2628.7
12.5°	2596.1	2596.9	2591.1	2600.8	2600.8
15°	2563.5	2566.4	2559.6	2568.6	2569.3
17.5°	2527.0	2528.1	2521.3	2530.9	2533.1
20°	2483.6	2483.6	2477.9	2485.8	2483.6
22.5°	2435.3	2435.3	2428.5	2432.4	2434.2
25°	2382.2	2380.1	2372.2	2374.4	2370.4
27.5°	2321.0	2321.0	2307.0	2307.0	2300.2
30°	2259.0	2254.0	2239.3	2230.3	2223.5
32.5°	2187.7	2180.9	2162.3	2146.5	2141.5
35°	2108.2	2101.0	2076.3	2057.6	2049.8
37.5°	2031.1	2015.4	1982.8	1964.1	1955.2
40°	1941.2	1921.5	1888.2	1862.4	1858.4
42.5°	1844.8	1829.0	1785.7	1766.7	1762.1
45°	1742.3	1723.4	1690.8	1671.0	1656.4
47.5°	1641.7	1627.7	1590.4	1566.8	1561.8
50°	1536.0	1524.1	1485.8	1460.4	1451.4
52.5°	1426.7	1418.8	1386.2	1353.6	1342.9
55°	1313.5	1309.5	1269.0	1231.4	1218.5
57.5°	1202.0	1197.0	1146.5	1103.2	1091.3
60°	1085.6	1070.9	1021.5	981.0	968.1
62.5°	975.3	943.7	890.3	858.8	844.1
65°	848.8	818.3	771.0	737.4	732.7
67.5°	724.8	688.3	651.7	630.9	615.2
70°	595.5	570.7	543.2	525.6	522.7
72.5°	475.1	457.5	443.6	432.8	423.9
75°	359.7	356.9	351.8	351.8	342.2
77.5°	264.4	271.2	275.2	274.1	276.2
80°	183.4	197.1	204.9	206.0	204.9
82.5°	116.4	132.2	145.1	146.9	149.0
85°	68.1	79.9	87.8	89.6	87.8
87.5°	30.5	38.3	40.5	42.3	40.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)