

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: P1050084

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050084
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-14-70-L850-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

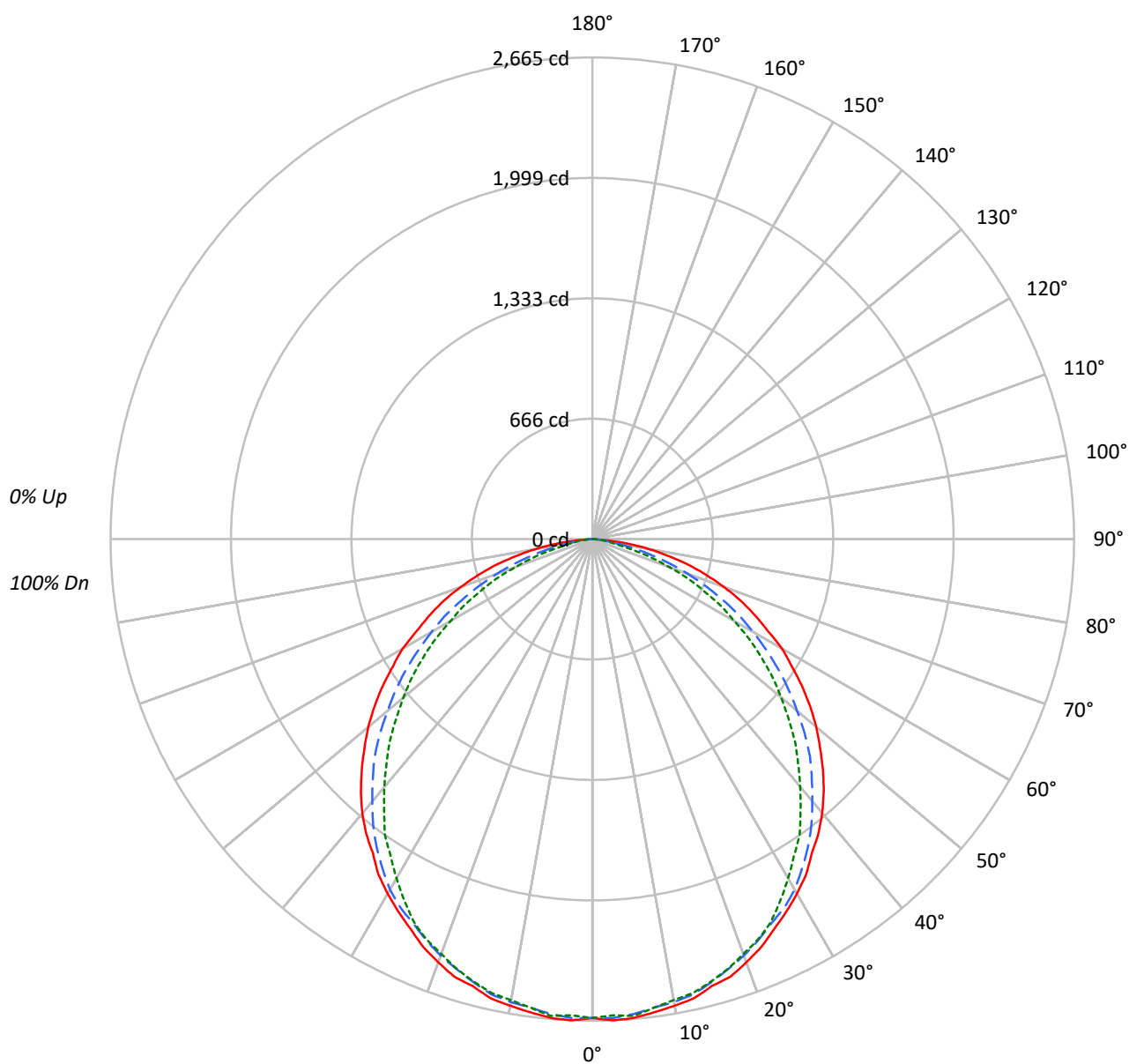
Lumens per Lamp: N/A
Luminaire Lumens: 7057.1 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	7129	7129	7129
5°	7182	7123	7152
10°	7162	7106	7076
15°	7130	7073	7060
20°	7135	7022	6995
25°	7065	6962	6939
30°	7036	6957	6732
35°	6956	6832	6568
40°	6951	6652	6286
45°	6864	6479	6035
50°	6771	6190	5708
55°	6640	5900	5360
60°	6522	5520	4866
65°	6300	5064	4351
70°	6096	4408	3551
75°	5726	3478	2444
80°	4964	2103	1468
85°	3313	1510	1414

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6864 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.1	3.6
10°-20°	718.6	10.2
20°-30°	1085.5	15.4
30°-40°	1290.6	18.3
40°-50°	1308.9	18.5
50°-60°	1136.6	16.1
60°-70°	806.9	11.4
70°-80°	385.6	5.5
80°-90°	73.1	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°	2055.3	29.1
0°-40°	3345.9	47.4
0°-60°	5791.5	82.1
0°-90°	7057.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7057.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2649	2649	2649	2649	2649	
5°	2659	2649	2637	2643	2648	252
15°	2559	2566	2539	2536	2534	725
25°	2380	2376	2345	2354	2337	1099
35°	2118	2114	2080	2009	1999	1331
45°	1804	1788	1703	1613	1586	1391
55°	1415	1373	1258	1184	1142	1265
65°	989	915	795	710	683	980
75°	551	450	334	265	235	578
85°	107	57	49	47	46	135
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2649.4	2649.4	2649.4	2649.4	2649.4
2.5°	2665.2	2655.7	2652.5	2663.6	2636.8
5°	2658.9	2649.4	2636.8	2643.1	2647.8
7.5°	2639.9	2632.0	2614.7	2628.9	2614.7
10°	2621.0	2613.1	2600.5	2605.2	2589.4
12.5°	2602.0	2583.1	2580.0	2583.1	2572.1
15°	2559.4	2565.8	2538.9	2535.8	2534.2
17.5°	2538.9	2523.2	2494.7	2496.3	2493.2
20°	2491.6	2472.7	2452.1	2449.0	2442.7
22.5°	2442.7	2420.6	2401.6	2411.1	2396.9
25°	2379.6	2376.4	2344.8	2354.3	2337.0
27.5°	2324.3	2313.3	2299.1	2278.6	2253.3
30°	2264.4	2253.3	2239.1	2185.5	2166.5
32.5°	2201.2	2188.6	2160.2	2097.1	2076.6
35°	2117.6	2114.5	2079.7	2008.7	1999.3
37.5°	2054.5	2019.8	1991.4	1918.8	1892.0
40°	1978.8	1959.8	1893.5	1824.1	1789.4
42.5°	1895.1	1873.0	1797.3	1723.1	1685.3
45°	1803.6	1787.8	1702.6	1612.7	1585.8
47.5°	1708.9	1694.7	1593.7	1506.9	1472.2
50°	1617.4	1600.0	1478.5	1394.9	1363.4
52.5°	1518.0	1489.6	1369.7	1287.6	1257.6
55°	1415.4	1372.8	1257.6	1183.5	1142.4
57.5°	1306.5	1267.1	1139.3	1062.0	1028.8
60°	1211.9	1156.6	1025.7	946.8	904.2
62.5°	1090.4	1043.0	918.4	825.3	804.8
65°	989.4	915.2	795.3	710.1	683.3
67.5°	886.8	800.0	678.5	591.7	577.5
70°	774.8	684.8	560.2	475.0	451.3
72.5°	661.2	572.8	451.3	361.4	347.2
75°	550.7	449.7	334.5	265.1	235.1
77.5°	430.8	339.3	235.1	162.5	143.6
80°	320.3	228.8	135.7	96.3	94.7
82.5°	209.9	132.5	72.6	74.2	71.0
85°	107.3	56.8	48.9	47.3	45.8
87.5°	20.5	22.1	23.7	23.7	23.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)