

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: P1050182

Luminaire Tested: PTR-14-70-PC3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PC3-L850-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

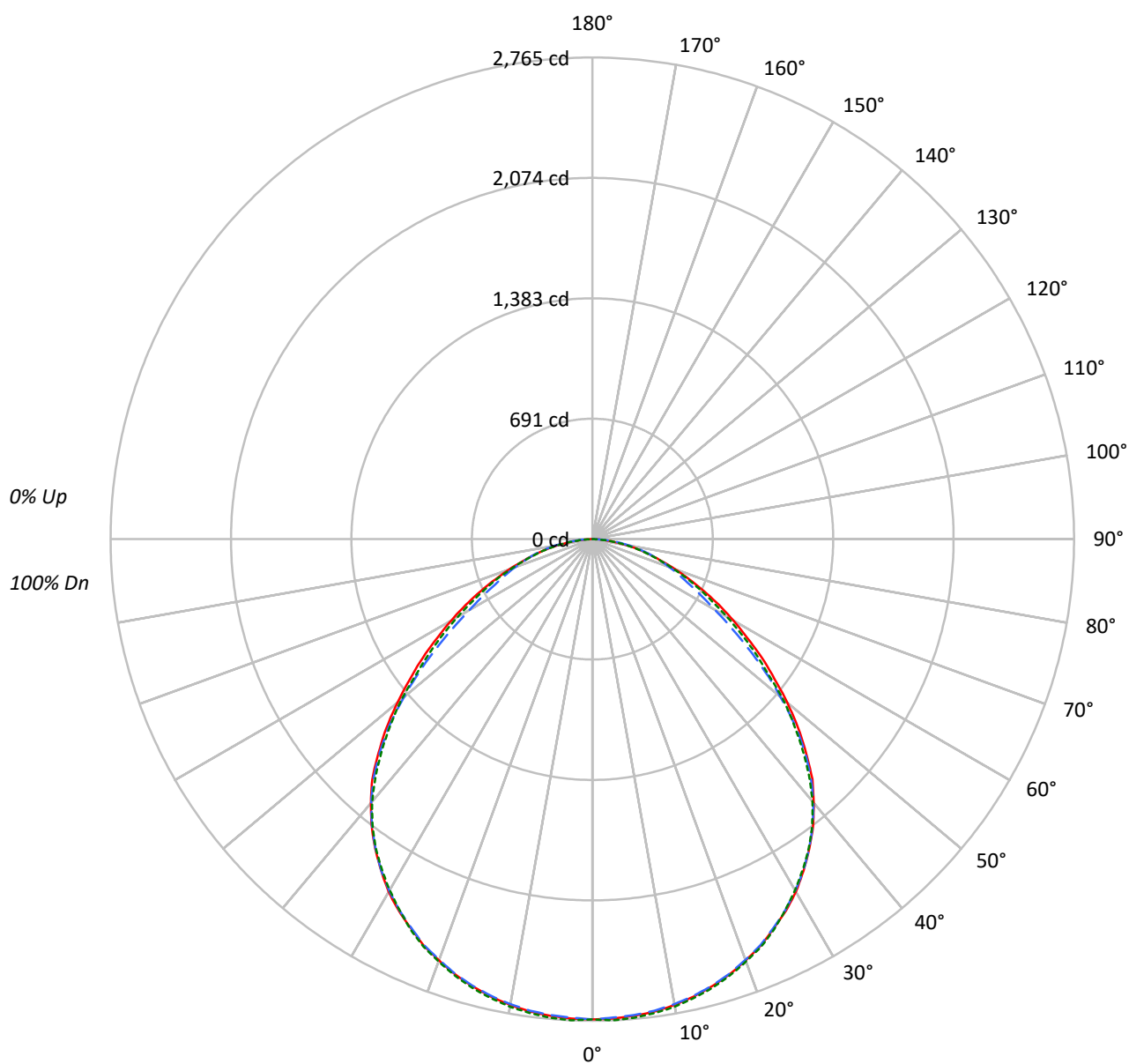
Lumens per Lamp: N/A
Luminaire Lumens: 6950.4 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7419	7419	7419
5°	7421	7407	7450
10°	7421	7407	7447
15°	7403	7395	7428
20°	7369	7358	7390
25°	7320	7308	7337
30°	7265	7241	7228
35°	7134	7126	7114
40°	6945	6934	6903
45°	6604	6555	6489
50°	6113	5908	5974
55°	5579	5126	5357
60°	5031	4373	4797
65°	4496	3912	4314
70°	3988	3701	3879
75°	3528	3587	3457
80°	3042	3426	3027
85°	2279	2711	2279

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6619 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.5	3.8
10°-20°	750.5	10.8
20°-30°	1136.3	16.3
30°-40°	1354.8	19.5
40°-50°	1323.8	19.0
50°-60°	1012.2	14.6
60°-70°	649.9	9.4
70°-80°	361.6	5.2
80°-90°	99.9	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°	2148.3	30.9
0°-40°	3503.1	50.4
0°-60°	5839.1	84.0
0°-90°	6950.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6950.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2757	2757	2757	2757	2757	
5°	2747	2749	2742	2755	2758	261
15°	2657	2659	2654	2663	2666	750
25°	2465	2468	2461	2469	2471	1137
35°	2172	2173	2169	2168	2165	1357
45°	1735	1739	1722	1719	1705	1335
55°	1189	1148	1093	1106	1142	1063
65°	706	652	614	635	678	704
75°	339	342	345	340	332	363
85°	74	87	88	85	74	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2756.9	2756.9	2756.9	2756.9	2756.9
2.5°	2755.1	2756.1	2749.0	2760.8	2764.7
5°	2747.2	2749.0	2742.2	2755.1	2757.9
7.5°	2735.4	2737.2	2730.3	2743.2	2744.3
10°	2715.7	2716.7	2710.6	2723.5	2725.3
12.5°	2689.1	2692.0	2685.2	2697.0	2697.7
15°	2657.3	2659.4	2654.4	2663.4	2666.2
17.5°	2620.0	2621.1	2616.1	2625.7	2626.8
20°	2573.4	2573.4	2569.5	2580.6	2580.6
22.5°	2526.1	2523.3	2522.2	2526.1	2532.2
25°	2465.2	2468.1	2461.3	2469.2	2471.0
27.5°	2406.1	2406.1	2400.0	2404.0	2399.0
30°	2338.0	2334.1	2330.2	2330.9	2326.2
32.5°	2256.0	2256.0	2254.2	2254.2	2248.1
35°	2171.5	2173.2	2169.3	2168.2	2165.4
37.5°	2080.5	2083.7	2076.5	2074.7	2072.6
40°	1976.9	1976.9	1974.0	1970.1	1965.1
42.5°	1869.4	1869.4	1856.9	1846.9	1840.1
45°	1735.4	1739.4	1722.5	1718.6	1705.0
47.5°	1602.2	1599.3	1576.7	1573.9	1566.0
50°	1460.3	1443.5	1411.2	1419.8	1427.0
52.5°	1318.4	1297.6	1250.4	1260.0	1271.8
55°	1189.1	1147.9	1092.7	1106.3	1141.8
57.5°	1054.0	998.8	943.7	969.5	1013.5
60°	934.7	872.7	812.5	840.1	891.4
62.5°	820.4	754.5	706.1	732.7	776.0
65°	706.1	651.7	614.4	634.8	677.5
67.5°	601.5	565.0	539.5	549.2	583.6
70°	506.9	484.0	470.4	473.3	493.0
72.5°	417.0	411.3	406.3	406.3	408.1
75°	339.3	342.1	345.0	340.4	332.5
77.5°	267.3	276.9	284.1	274.1	264.4
80°	196.3	212.1	221.1	209.9	195.3
82.5°	134.0	151.9	154.8	148.0	131.1
85°	73.8	86.7	87.8	84.9	73.8
87.5°	27.6	32.6	35.5	32.6	28.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)