

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: P1050329

Luminaire Tested: PTR-14-70-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050329
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-14-70-PP3-L850-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

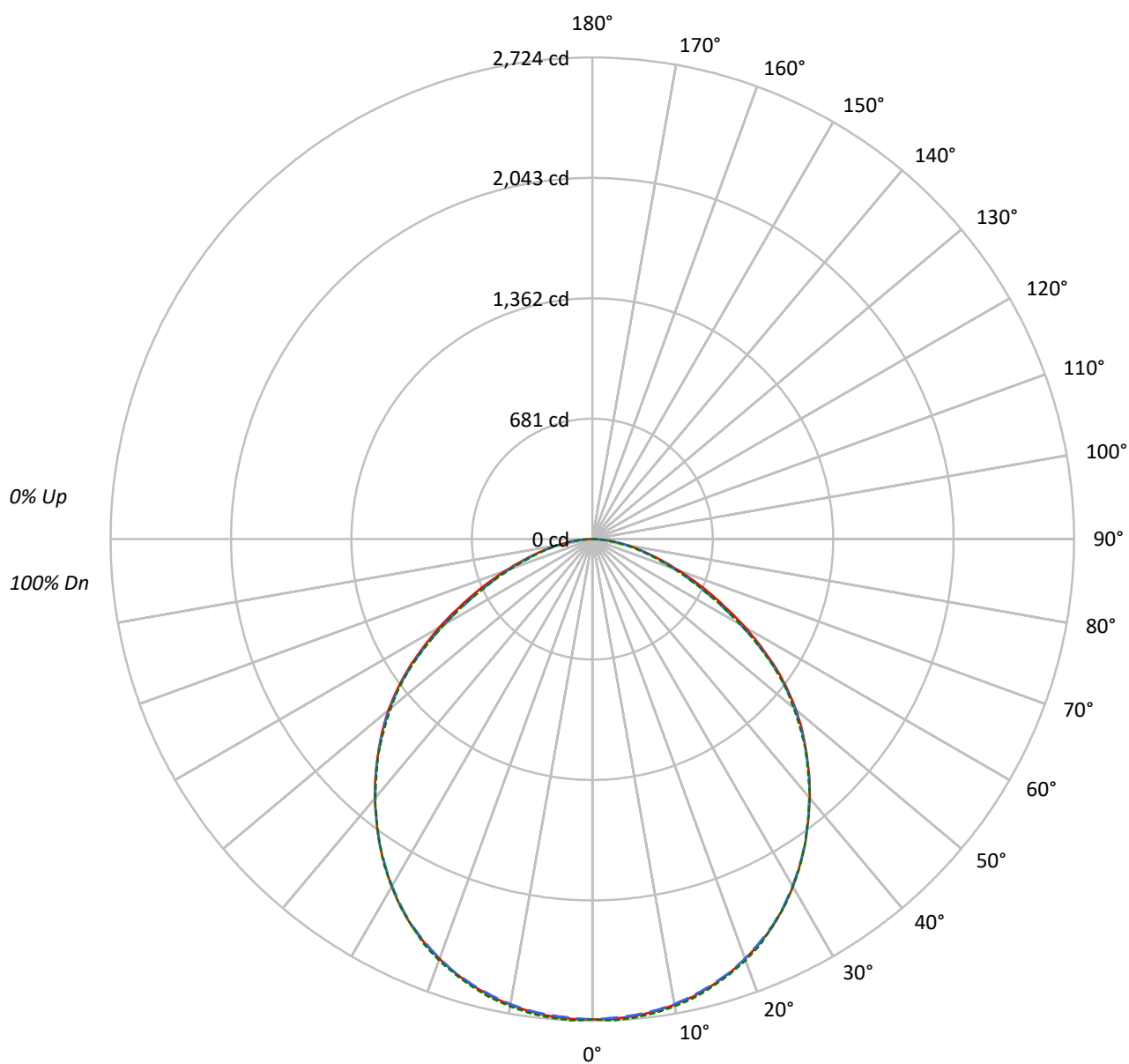
Lumens per Lamp: N/A
Luminaire Lumens: 7018.6 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	7310	7310	7310
5°	7316	7300	7340
10°	7306	7295	7330
15°	7282	7268	7301
20°	7234	7228	7259
25°	7170	7158	7167
30°	7049	7035	7049
35°	6896	6886	6892
40°	6719	6698	6715
45°	6517	6498	6506
50°	6299	6270	6224
55°	5930	5861	5843
60°	5381	5201	5210
65°	4727	4490	4483
70°	4087	3901	3856
75°	3535	3405	3330
80°	3132	3087	2947
85°	2587	2677	2523

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6540 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.6	3.7
10°-20°	738.0	10.5
20°-30°	1111.1	15.8
30°-40°	1311.4	18.7
40°-50°	1318.9	18.8
50°-60°	1113.4	15.9
60°-70°	715.1	10.2
70°-80°	355.6	5.1
80°-90°	97.5	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°	2106.7	30.0
0°-40°	3418.1	48.7
0°-60°	5850.4	83.4
0°-90°	7018.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7018.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2716	2716	2716	2716	2716	
5°	2708	2709	2702	2715	2717	257
15°	2614	2615	2609	2621	2621	737
25°	2415	2416	2411	2416	2414	1111
35°	2099	2100	2096	2098	2098	1312
45°	1712	1719	1708	1710	1710	1322
55°	1264	1263	1249	1244	1245	1124
65°	742	732	705	698	704	740
75°	340	338	328	324	320	368
85°	84	87	87	82	82	99
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2716.4	2716.4	2716.4	2716.4	2716.4
2.5°	2715.3	2716.4	2709.3	2722.2	2724.3
5°	2708.5	2709.3	2702.4	2715.3	2717.1
7.5°	2694.6	2695.6	2689.5	2701.4	2703.5
10°	2673.8	2677.0	2669.8	2680.9	2682.7
12.5°	2648.3	2649.4	2642.3	2655.2	2657.3
15°	2614.0	2614.7	2608.9	2620.8	2620.8
17.5°	2574.2	2575.3	2571.3	2581.4	2580.3
20°	2526.2	2529.0	2524.0	2530.8	2534.8
22.5°	2473.9	2474.9	2468.9	2477.8	2481.8
25°	2414.8	2415.5	2410.8	2415.5	2413.7
27.5°	2345.6	2347.4	2340.6	2345.6	2346.7
30°	2268.6	2273.6	2263.9	2267.9	2268.6
32.5°	2185.8	2188.7	2181.9	2183.0	2188.0
35°	2099.1	2100.2	2096.2	2098.0	2098.0
37.5°	2005.6	2009.5	2003.5	2006.3	2002.4
40°	1912.8	1908.9	1906.7	1908.9	1911.7
42.5°	1815.0	1816.1	1813.2	1811.1	1806.4
45°	1712.5	1718.6	1707.5	1709.7	1709.7
47.5°	1612.2	1612.9	1607.2	1601.1	1597.2
50°	1504.7	1504.7	1497.6	1492.9	1486.8
52.5°	1387.2	1385.4	1377.6	1372.5	1375.4
55°	1264.0	1262.9	1249.3	1244.3	1245.4
57.5°	1128.9	1131.1	1110.3	1105.3	1105.3
60°	999.9	989.9	966.3	959.5	968.1
62.5°	864.5	852.7	827.3	827.3	834.1
65°	742.3	731.6	705.1	697.9	704.0
67.5°	628.1	618.0	593.7	589.7	591.5
70°	519.5	510.9	495.8	486.9	490.1
72.5°	426.0	418.1	408.1	401.3	397.3
75°	340.0	338.2	327.5	324.2	320.3
77.5°	269.1	268.3	259.4	255.4	251.5
80°	202.1	201.0	199.2	193.1	190.2
82.5°	144.0	144.0	143.0	137.9	135.1
85°	83.8	86.7	86.7	81.7	81.7
87.5°	33.7	35.5	33.7	33.7	32.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)