

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: P1050430

Luminaire Tested: PTR-14-70-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050430
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-L930-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

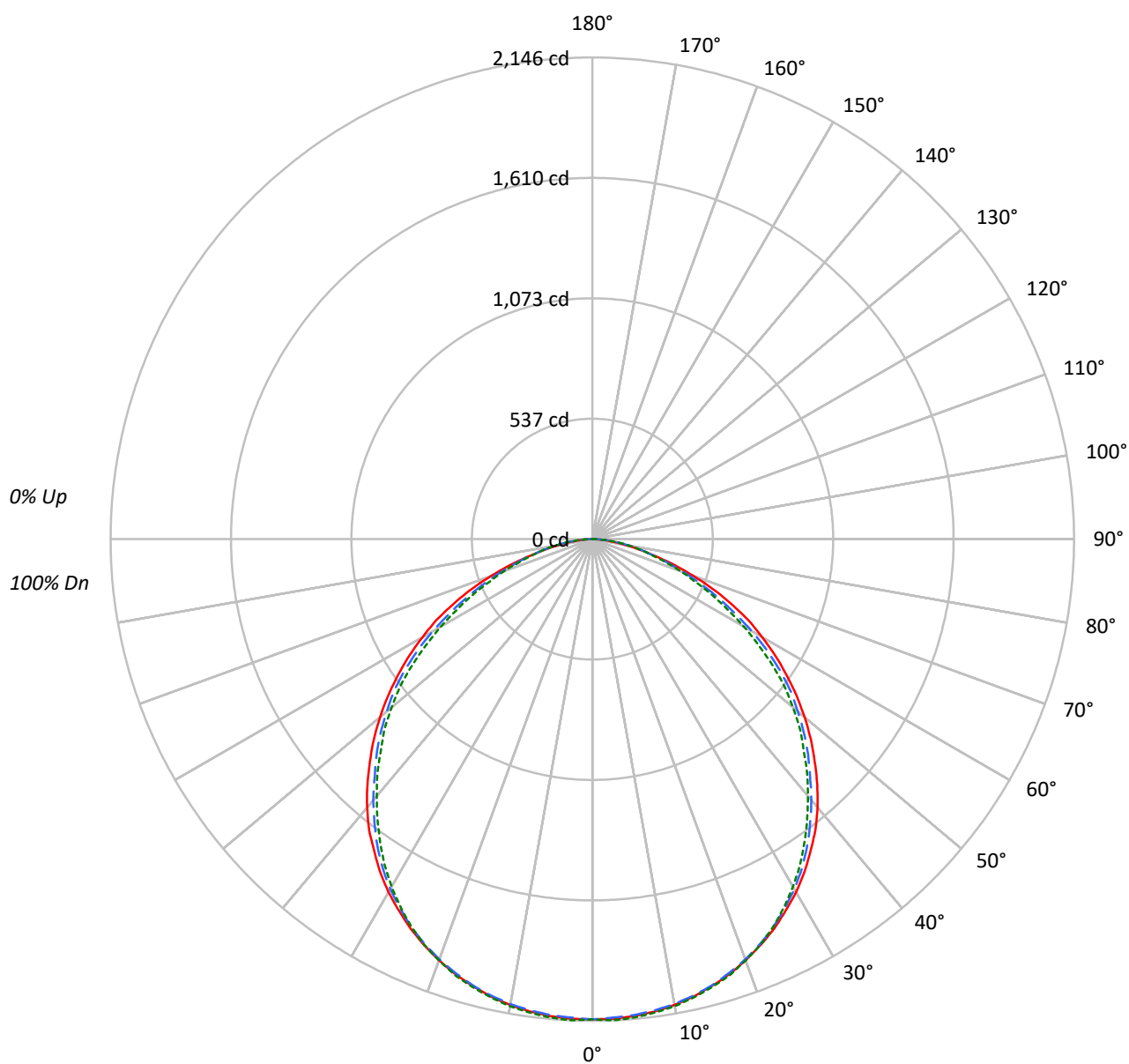
Lumens per Lamp: N/A
Luminaire Lumens: 5677.5 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5757	5757	5757
5°	5762	5749	5779
10°	5759	5747	5775
15°	5742	5733	5755
20°	5718	5705	5718
25°	5687	5663	5658
30°	5643	5594	5555
35°	5568	5484	5413
40°	5482	5332	5249
45°	5331	5173	5068
50°	5170	5001	4885
55°	4954	4787	4596
60°	4697	4420	4189
65°	4345	3947	3751
70°	3766	3436	3307
75°	3007	2941	2860
80°	2286	2554	2554
85°	1689	2180	2180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5331 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.9	3.6
10°-20°	581.9	10.2
20°-30°	879.5	15.5
30°-40°	1044.3	18.4
40°-50°	1052.1	18.5
50°-60°	909.4	16.0
60°-70°	621.6	10.9
70°-80°	306.5	5.4
80°-90°	79.3	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°	1664.3	29.3
0°-40°	2708.6	47.7
0°-60°	4670.1	82.3
0°-90°	5677.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5677.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2139	2139	2139	2139	2139	
5°	2133	2134	2128	2137	2139	203
15°	2061	2063	2058	2065	2066	582
25°	1915	1914	1907	1909	1906	882
35°	1695	1689	1669	1654	1648	1061
45°	1401	1386	1359	1344	1332	1081
55°	1056	1053	1020	990	980	944
65°	682	658	620	593	589	674
75°	289	287	283	283	275	315
85°	55	64	71	72	71	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2139.4	2139.4	2139.4	2139.4	2139.4
2.5°	2138.8	2139.4	2133.9	2143.4	2145.7
5°	2133.0	2133.9	2128.4	2137.1	2139.4
7.5°	2122.9	2124.4	2118.0	2126.7	2128.4
10°	2107.7	2108.5	2103.1	2111.7	2113.4
12.5°	2087.2	2087.8	2083.2	2091.0	2091.0
15°	2061.0	2063.3	2057.8	2065.0	2065.6
17.5°	2031.6	2032.5	2027.0	2034.8	2036.5
20°	1996.8	1996.8	1992.2	1998.5	1996.8
22.5°	1957.9	1957.9	1952.4	1955.6	1957.0
25°	1915.3	1913.5	1907.2	1908.9	1905.7
27.5°	1866.0	1866.0	1854.8	1854.8	1849.3
30°	1816.2	1812.1	1800.3	1793.1	1787.6
32.5°	1758.8	1753.4	1738.4	1725.7	1721.7
35°	1694.9	1689.1	1669.3	1654.3	1647.9
37.5°	1633.0	1620.3	1594.1	1579.1	1571.9
40°	1560.7	1544.8	1518.0	1497.3	1494.1
42.5°	1483.2	1470.5	1435.6	1420.4	1416.6
45°	1400.8	1385.5	1359.3	1343.5	1331.7
47.5°	1319.8	1308.6	1278.7	1259.6	1255.6
50°	1234.9	1225.4	1194.5	1174.1	1166.9
52.5°	1147.0	1140.7	1114.5	1088.3	1079.6
55°	1056.0	1052.8	1020.3	990.0	979.7
57.5°	966.4	962.4	921.8	886.9	877.4
60°	872.8	861.0	821.2	788.7	778.3
62.5°	784.1	758.7	715.8	690.5	678.6
65°	682.4	657.9	619.9	592.8	589.1
67.5°	582.7	553.3	524.0	507.3	494.6
70°	478.7	458.9	436.7	422.6	420.3
72.5°	382.0	367.8	356.6	348.0	340.8
75°	289.2	286.9	282.9	282.9	275.1
77.5°	212.6	218.1	221.2	220.4	222.1
80°	147.5	158.4	164.8	165.6	164.8
82.5°	93.6	106.3	116.7	118.1	119.8
85°	54.7	64.2	70.6	72.0	70.6
87.5°	24.5	30.8	32.5	34.0	32.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)