

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: P1050237

Luminaire Tested: PTR-14-70-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PL1-L935-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

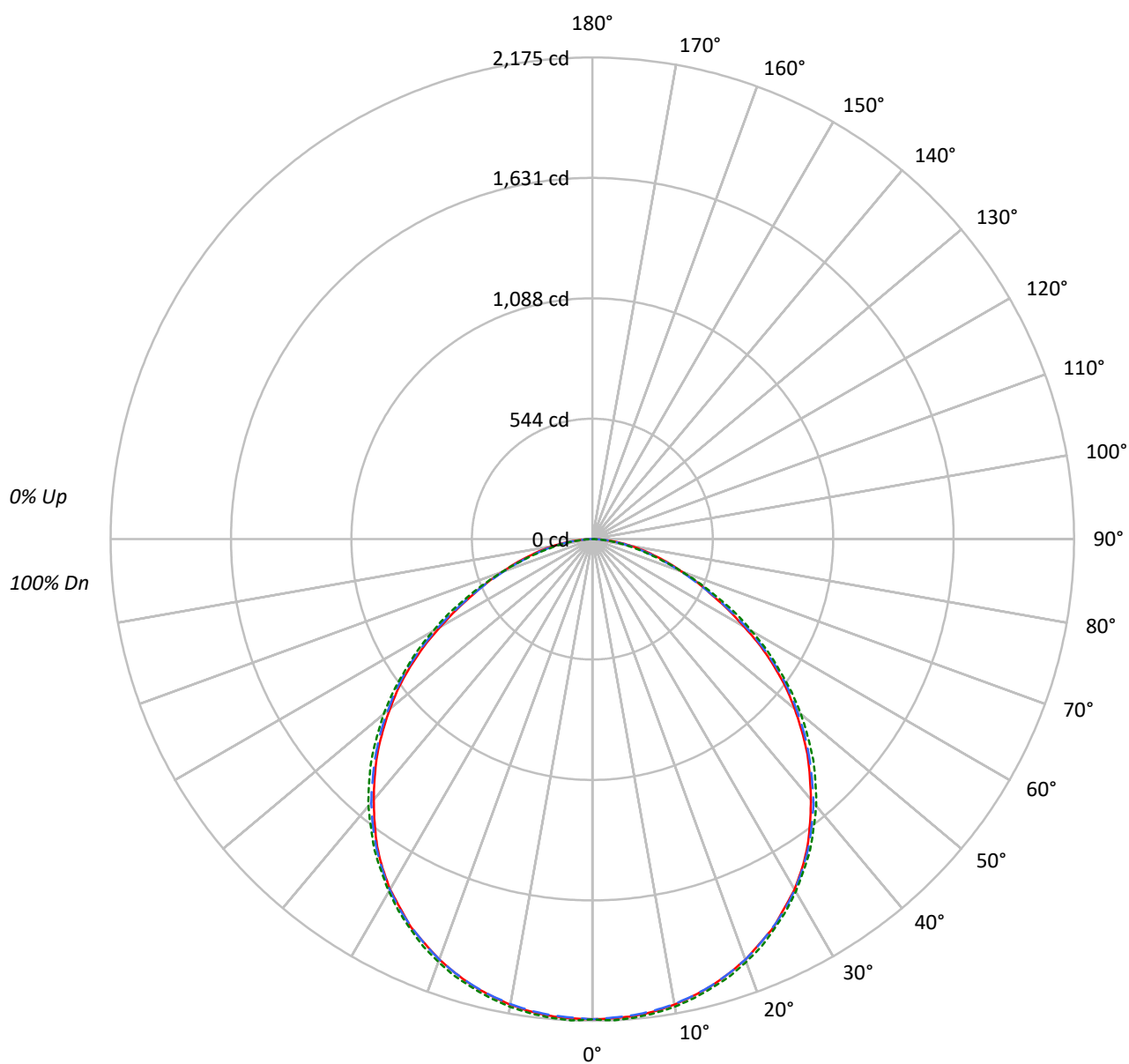
Lumens per Lamp: N/A
Luminaire Lumens: 5714.9 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5834	5834	5834
5°	5839	5828	5860
10°	5832	5825	5858
15°	5814	5811	5841
20°	5785	5785	5818
25°	5746	5738	5769
30°	5673	5681	5708
35°	5565	5586	5631
40°	5392	5455	5524
45°	5224	5267	5368
50°	4994	5048	5148
55°	4704	4779	4835
60°	4266	4358	4466
65°	3789	3831	3985
70°	3387	3319	3401
75°	3056	2880	2822
80°	2777	2579	2289
85°	2353	2137	1837

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.7	3.6
10°-20°	589.8	10.3
20°-30°	892.2	15.6
30°-40°	1063.5	18.6
40°-50°	1069.4	18.7
50°-60°	907.6	15.9
60°-70°	604.3	10.6
70°-80°	301.7	5.3
80°-90°	80.7	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°	1687.7	29.5
0°-40°	2751.2	48.1
0°-60°	4728.1	82.7
0°-90°	5714.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5714.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2168	2168	2168	2168	2168	
5°	2162	2162	2158	2167	2170	205
15°	2087	2089	2086	2095	2096	589
25°	1935	1935	1932	1942	1943	890
35°	1694	1696	1700	1712	1714	1057
45°	1373	1375	1384	1402	1411	1056
55°	1003	1010	1019	1028	1031	893
65°	595	600	602	611	626	597
75°	294	290	277	271	271	316
85°	76	75	69	65	60	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2168.0	2168.0	2168.0	2168.0	2168.0
2.5°	2166.3	2168.0	2162.2	2172.7	2175.3
5°	2161.6	2162.2	2157.5	2167.2	2169.5
7.5°	2151.1	2152.0	2147.0	2157.5	2159.0
10°	2134.2	2135.9	2131.9	2141.5	2143.8
12.5°	2112.6	2114.9	2110.8	2121.3	2123.1
15°	2086.9	2089.2	2086.0	2094.8	2096.5
17.5°	2055.4	2057.1	2055.4	2063.6	2068.2
20°	2020.1	2020.1	2020.1	2027.4	2031.5
22.5°	1976.0	1980.1	1978.3	1988.0	1992.0
25°	1935.1	1935.1	1932.5	1941.6	1943.0
27.5°	1877.9	1884.3	1883.8	1891.6	1893.4
30°	1825.7	1827.4	1828.3	1833.9	1837.1
32.5°	1762.3	1763.8	1766.4	1774.3	1775.2
35°	1694.0	1695.8	1700.5	1712.4	1714.2
37.5°	1614.7	1623.4	1627.5	1640.3	1641.8
40°	1535.0	1540.5	1552.8	1566.2	1572.6
42.5°	1453.8	1460.3	1467.5	1485.9	1491.8
45°	1372.7	1375.0	1384.1	1402.5	1410.6
47.5°	1282.8	1290.1	1298.0	1314.0	1319.0
50°	1192.9	1200.8	1205.7	1220.0	1229.7
52.5°	1102.1	1109.4	1115.0	1123.7	1133.4
55°	1002.6	1009.6	1018.6	1028.3	1030.6
57.5°	901.3	909.2	915.0	925.2	935.8
60°	792.7	801.8	809.7	819.3	829.8
62.5°	691.7	695.5	703.7	719.8	734.9
65°	595.1	600.1	601.6	610.6	625.8
67.5°	514.9	514.9	507.6	510.8	527.7
70°	430.5	427.3	421.8	418.5	432.3
72.5°	362.2	358.1	346.2	340.6	347.9
75°	293.9	289.8	277.0	270.6	271.4
77.5°	236.1	229.7	219.2	208.1	205.8
80°	179.2	176.6	166.4	155.9	147.7
82.5°	127.0	121.4	115.6	109.2	102.7
85°	76.2	74.7	69.2	65.1	59.5
87.5°	31.2	31.2	29.8	28.0	26.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)