

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: P1050283

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PLG-L930-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

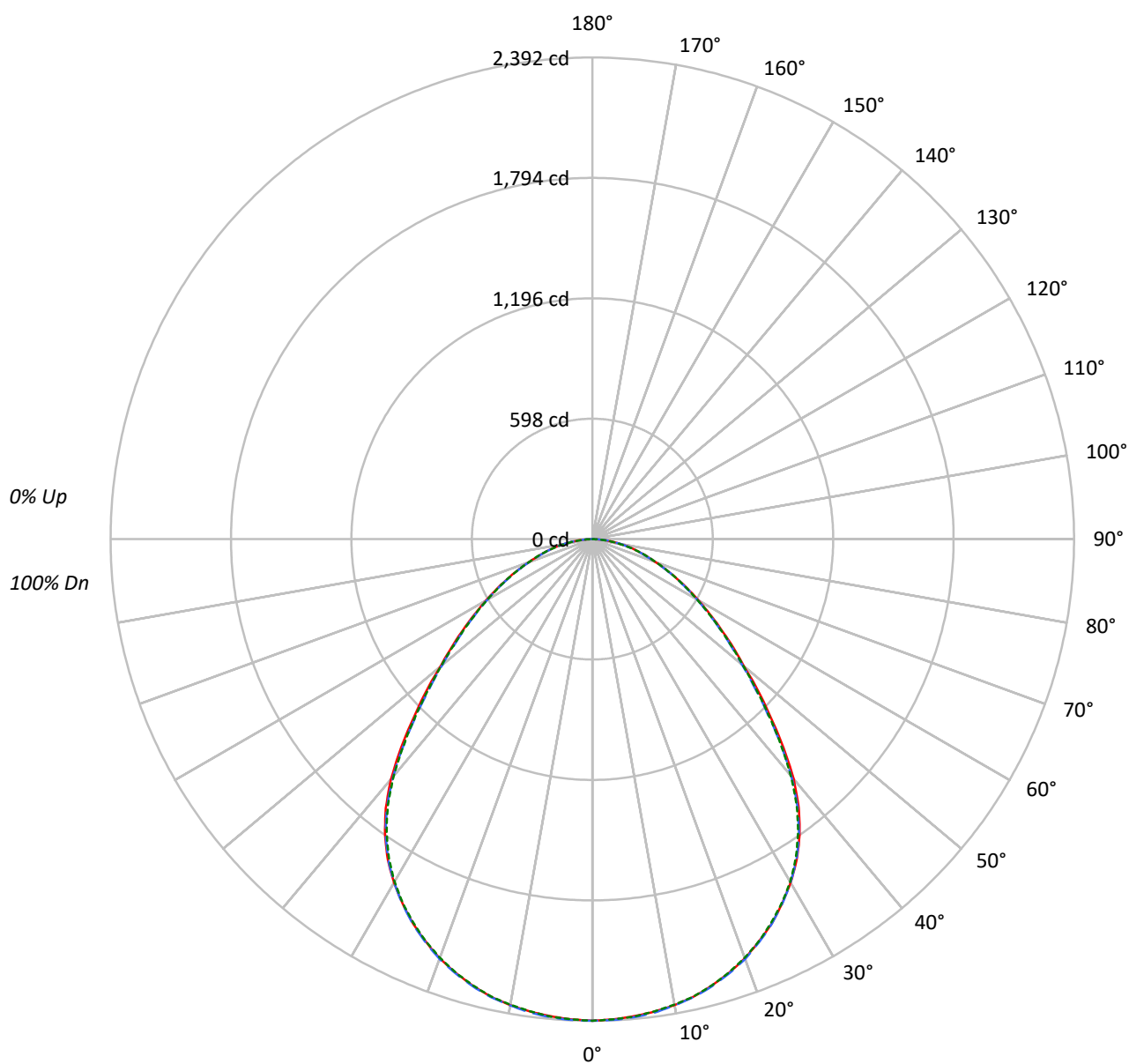
Lumens per Lamp: N/A
Luminaire Lumens: 5389.9 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6437	6437	6437
5°	6425	6438	6429
10°	6420	6425	6415
15°	6394	6404	6389
20°	6344	6354	6334
25°	6255	6260	6240
30°	6119	6119	6103
35°	5895	5878	5850
40°	5462	5403	5385
45°	4775	4697	4716
50°	4122	4072	4093
55°	3664	3608	3616
60°	3280	3235	3235
65°	2940	2919	2930
70°	2644	2618	2644
75°	2454	2418	2454
80°	2289	2263	2183
85°	1939	1939	1729

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4775 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.5	4.2
10°-20°	648.0	12.0
20°-30°	969.6	18.0
30°-40°	1110.9	20.6
40°-50°	960.8	17.8
50°-60°	695.3	12.9
60°-70°	458.0	8.5
70°-80°	249.3	4.6
80°-90°	71.5	1.3
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°	1844.1	34.2
0°-40°	2955.0	54.8
0°-60°	4611.1	85.6
0°-90°	5389.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5389.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2392	2392	2392	2392	2392	
5°	2378	2384	2384	2384	2380	226
15°	2295	2297	2299	2302	2294	647
25°	2107	2107	2108	2110	2102	969
35°	1794	1793	1789	1788	1781	1115
45°	1255	1251	1234	1232	1239	971
55°	781	778	769	764	771	703
65°	462	465	458	455	460	461
75°	236	236	233	233	236	251
85°	63	63	63	64	56	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2392.0	2392.0	2392.0	2392.0	2392.0
2.5°	2386.9	2392.0	2390.3	2392.0	2386.9
5°	2378.4	2383.5	2383.5	2383.5	2380.1
7.5°	2366.5	2369.9	2371.6	2373.3	2364.8
10°	2349.5	2352.9	2351.2	2354.6	2347.8
12.5°	2327.5	2327.5	2329.2	2332.6	2325.8
15°	2295.2	2296.9	2298.6	2302.0	2293.5
17.5°	2257.9	2259.6	2261.3	2263.0	2256.2
20°	2215.4	2215.4	2218.8	2220.5	2212.0
22.5°	2162.8	2162.8	2166.2	2171.3	2161.1
25°	2106.8	2106.8	2108.5	2110.2	2101.7
27.5°	2040.6	2040.6	2042.3	2047.4	2037.2
30°	1969.3	1967.6	1969.3	1971.0	1964.2
32.5°	1889.5	1887.8	1886.1	1887.8	1879.3
35°	1794.4	1792.7	1789.3	1787.6	1780.8
37.5°	1684.1	1680.7	1673.9	1673.9	1667.1
40°	1555.0	1546.5	1538.1	1534.7	1533.0
42.5°	1405.6	1398.9	1387.0	1385.3	1385.3
45°	1254.6	1251.2	1234.2	1232.5	1239.3
47.5°	1118.7	1110.3	1095.0	1091.6	1101.8
50°	984.6	986.3	972.7	967.7	977.8
52.5°	879.4	876.0	864.1	860.7	869.2
55°	780.9	777.5	769.0	763.9	770.7
57.5°	690.9	689.2	680.8	679.1	682.5
60°	609.5	607.8	601.0	599.3	601.0
62.5°	533.1	533.1	526.3	522.9	528.0
65°	461.8	465.2	458.4	455.0	460.1
67.5°	397.2	400.6	393.9	390.5	397.2
70°	336.1	339.5	332.7	329.3	336.1
72.5°	283.5	285.2	280.1	278.4	286.9
75°	236.0	236.0	232.6	232.6	236.0
77.5°	191.8	190.1	188.4	188.4	185.0
80°	147.7	146.0	146.0	146.0	140.9
82.5°	105.3	101.9	103.6	105.3	96.8
85°	62.8	62.8	62.8	64.5	56.0
87.5°	25.5	25.5	23.8	25.5	22.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)