

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: P1050234

Luminaire Tested: PTR-14-70-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050234
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-L930-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

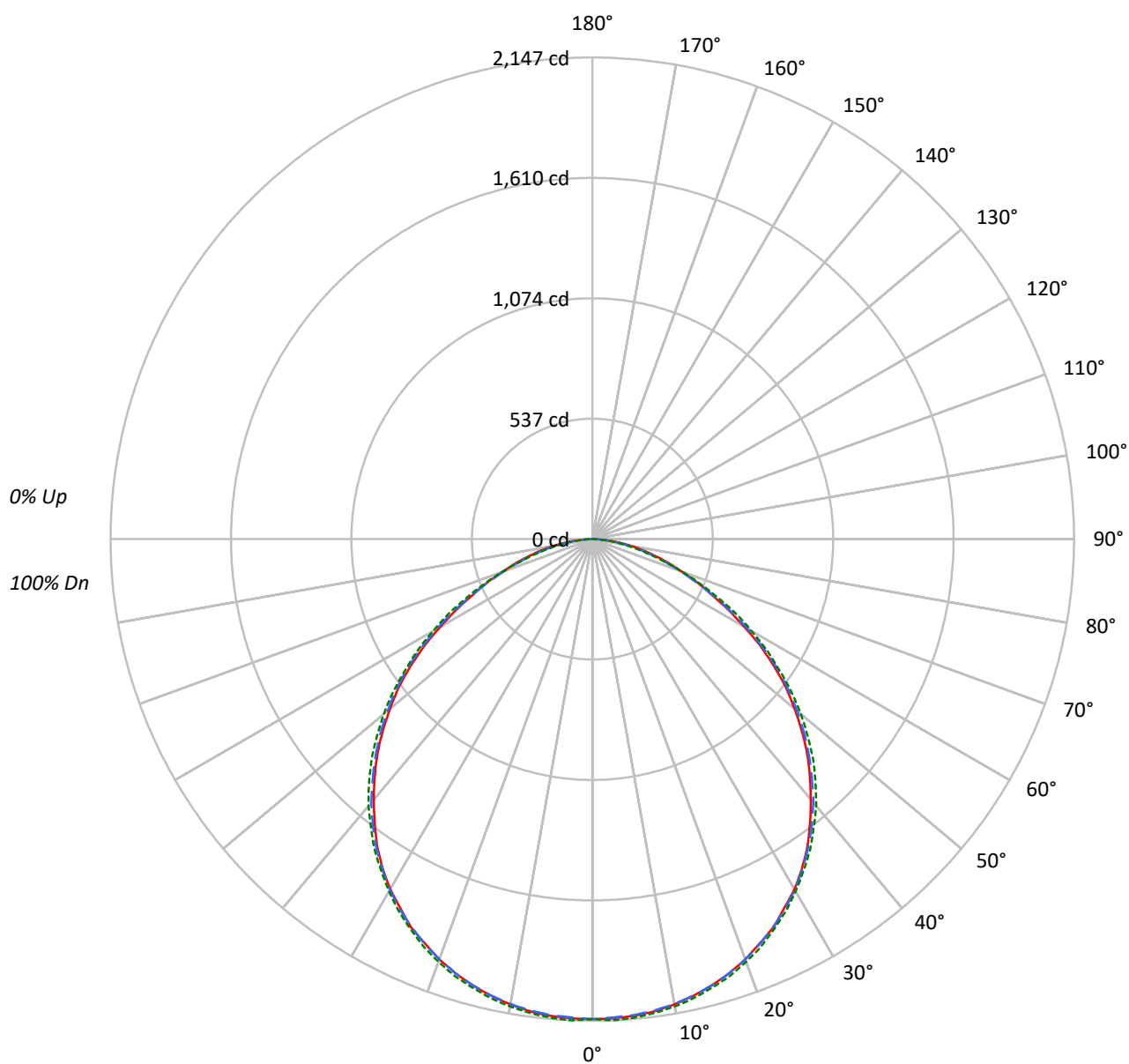
Lumens per Lamp: N/A
Luminaire Lumens: 5640.0 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050234

CATALOG NUMBER: PTR-14-70-PL1-L930-UNV-STD-W

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°	5758	5758	5758
5°	5763	5752	5784
10°	5755	5749	5781
15°	5738	5735	5764
20°	5709	5709	5741
25°	5671	5663	5694
30°	5599	5607	5633
35°	5492	5513	5557
40°	5322	5383	5452
45°	5155	5198	5298
50°	4929	4981	5081
55°	4642	4716	4772
60°	4210	4301	4407
65°	3740	3780	3933
70°	3343	3275	3356
75°	3016	2843	2785
80°	2741	2545	2259
85°	2322	2109	1815

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5298 cd/sqm

TEST NUMBER: P1050234

CATALOG NUMBER: PTR-14-70-PL1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.0	3.6
10°-20°	582.1	10.3
20°-30°	880.5	15.6
30°-40°	1049.5	18.6
40°-50°	1055.4	18.7
50°-60°	895.7	15.9
60°-70°	596.4	10.6
70°-80°	297.8	5.3
80°-90°	79.7	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°	1665.6	29.5
0°-40°	2715.1	48.1
0°-60°	4666.2	82.7
0°-90°	5640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5640.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2140	2140	2140	2140	2140	
5°	2133	2134	2129	2139	2141	203
15°	2060	2062	2059	2067	2069	581
25°	1910	1910	1907	1916	1918	878
35°	1672	1674	1678	1690	1692	1043
45°	1355	1357	1366	1384	1392	1042
55°	990	996	1005	1015	1017	882
65°	587	592	594	603	618	589
75°	290	286	273	267	268	312
85°	75	74	68	64	59	87
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-70-PL1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2139.6	2139.6	2139.6	2139.6	2139.6
2.5°	2137.9	2139.6	2133.9	2144.3	2146.8
5°	2133.3	2133.9	2129.3	2138.8	2141.1
7.5°	2122.9	2123.8	2118.9	2129.3	2130.7
10°	2106.2	2108.0	2103.9	2113.4	2115.7
12.5°	2084.9	2087.2	2083.2	2093.6	2095.3
15°	2059.6	2061.9	2058.7	2067.3	2069.1
17.5°	2028.5	2030.2	2028.5	2036.5	2041.1
20°	1993.6	1993.6	1993.6	2000.8	2004.8
22.5°	1950.1	1954.1	1952.4	1961.9	1965.9
25°	1909.8	1909.8	1907.2	1916.1	1917.6
27.5°	1853.3	1859.7	1859.1	1866.9	1868.6
30°	1801.8	1803.5	1804.4	1809.8	1813.0
32.5°	1739.3	1740.7	1743.3	1751.1	1751.9
35°	1671.8	1673.6	1678.2	1690.0	1691.7
37.5°	1593.5	1602.1	1606.2	1618.8	1620.3
40°	1514.9	1520.3	1532.4	1545.7	1552.0
42.5°	1434.8	1441.1	1448.3	1466.5	1472.2
45°	1354.7	1357.0	1365.9	1384.1	1392.1
47.5°	1266.0	1273.2	1281.0	1296.8	1301.7
50°	1177.3	1185.0	1189.9	1204.1	1213.6
52.5°	1087.7	1094.9	1100.4	1109.0	1118.5
55°	989.5	996.4	1005.3	1014.8	1017.1
57.5°	889.5	897.3	903.0	913.1	923.5
60°	782.3	791.3	799.1	808.6	818.9
62.5°	682.7	686.4	694.5	710.3	725.3
65°	587.3	592.2	593.7	602.6	617.6
67.5°	508.1	508.1	500.9	504.1	520.8
70°	424.9	421.7	416.2	413.1	426.6
72.5°	357.5	353.4	341.6	336.2	343.4
75°	290.1	286.0	273.4	267.0	267.9
77.5°	233.0	226.7	216.3	205.4	203.1
80°	176.9	174.3	164.2	153.8	145.8
82.5°	125.3	119.8	114.1	107.7	101.4
85°	75.2	73.7	68.3	64.2	58.8
87.5°	30.8	30.8	29.4	27.7	26.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)