

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: P1050338

Luminaire Tested: PTR-14-70-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050338
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-L940-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

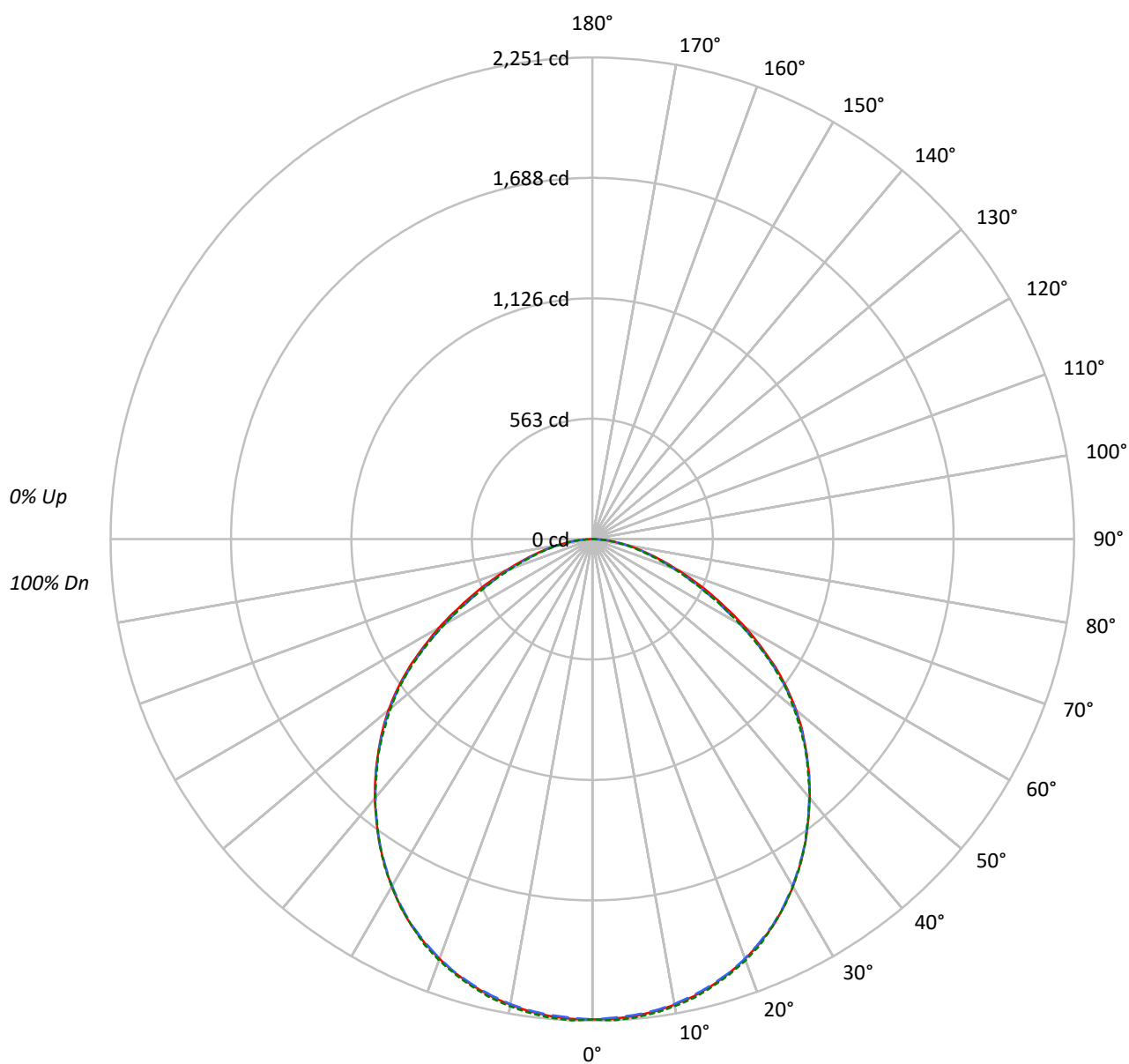
Lumens per Lamp: N/A
Luminaire Lumens: 5799.4 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050338

CATALOG NUMBER: PTR-14-70-PP3-L940-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	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6040	6040	6040
5°	6045	6032	6065
10°	6037	6028	6057
15°	6017	6006	6033
20°	5978	5972	5998
25°	5924	5915	5922
30°	5825	5813	5825
35°	5698	5690	5695
40°	5552	5534	5549
45°	5385	5369	5376
50°	5205	5180	5143
55°	4900	4843	4828
60°	4447	4297	4305
65°	3906	3710	3704
70°	3378	3223	3186
75°	2921	2813	2752
80°	2588	2551	2436
85°	2140	2211	2084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5404 cd/sqm

TEST NUMBER: P1050338

CATALOG NUMBER: PTR-14-70-PP3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.9	3.7
10°-20°	609.8	10.5
20°-30°	918.1	15.8
30°-40°	1083.6	18.7
40°-50°	1089.8	18.8
50°-60°	920.0	15.9
60°-70°	590.8	10.2
70°-80°	293.9	5.1
80°-90°	80.5	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°	1740.8	30.0
0°-40°	2824.3	48.7
0°-60°	4834.1	83.4
0°-90°	5799.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5799.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2244	2244	2244	2244	2244	
5°	2238	2239	2233	2244	2245	213
15°	2160	2160	2156	2166	2166	609
25°	1995	1996	1992	1996	1994	918
35°	1734	1735	1732	1734	1734	1084
45°	1415	1420	1411	1413	1413	1092
55°	1044	1044	1032	1028	1029	929
65°	613	604	583	577	582	612
75°	281	280	271	268	265	304
85°	69	72	72	68	68	81
90°	0	0	0	0	0	

TEST NUMBER: P1050338

CATALOG NUMBER: PTR-14-70-PP3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2244.5	2244.5	2244.5	2244.5	2244.5
2.5°	2243.7	2244.5	2238.6	2249.3	2251.1
5°	2238.0	2238.6	2233.0	2243.7	2245.1
7.5°	2226.5	2227.4	2222.3	2232.1	2233.9
10°	2209.3	2212.0	2206.1	2215.2	2216.7
12.5°	2188.3	2189.2	2183.3	2193.9	2195.7
15°	2159.9	2160.5	2155.7	2165.5	2165.5
17.5°	2127.0	2127.9	2124.7	2132.9	2132.1
20°	2087.4	2089.7	2085.6	2091.2	2094.5
22.5°	2044.1	2045.0	2040.0	2047.4	2050.6
25°	1995.3	1995.9	1992.0	1995.9	1994.4
27.5°	1938.1	1939.6	1934.0	1938.1	1939.0
30°	1874.5	1878.6	1870.7	1873.9	1874.5
32.5°	1806.1	1808.5	1802.9	1803.7	1807.9
35°	1734.5	1735.4	1732.1	1733.6	1733.6
37.5°	1657.2	1660.5	1655.4	1657.8	1654.5
40°	1580.5	1577.3	1575.5	1577.3	1579.6
42.5°	1499.7	1500.6	1498.2	1496.5	1492.6
45°	1415.1	1420.1	1410.9	1412.7	1412.7
47.5°	1332.2	1332.8	1328.0	1323.0	1319.7
50°	1243.4	1243.4	1237.4	1233.6	1228.6
52.5°	1146.3	1144.8	1138.3	1134.1	1136.5
55°	1044.4	1043.5	1032.3	1028.1	1029.0
57.5°	932.8	934.6	917.4	913.3	913.3
60°	826.2	817.9	798.4	792.8	799.9
62.5°	714.3	704.6	683.5	683.5	689.2
65°	613.4	604.5	582.6	576.7	581.7
67.5°	519.0	510.7	490.5	487.3	488.8
70°	429.3	422.1	409.7	402.3	405.0
72.5°	352.0	345.5	337.2	331.6	328.3
75°	280.9	279.5	270.6	267.9	264.7
77.5°	222.3	221.7	214.3	211.1	207.8
80°	167.0	166.1	164.6	159.6	157.2
82.5°	119.0	119.0	118.1	114.0	111.6
85°	69.3	71.6	71.6	67.5	67.5
87.5°	27.8	29.3	27.8	27.8	26.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)