

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: P1050240

Luminaire Tested: PTR-14-70-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050240
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-L940-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

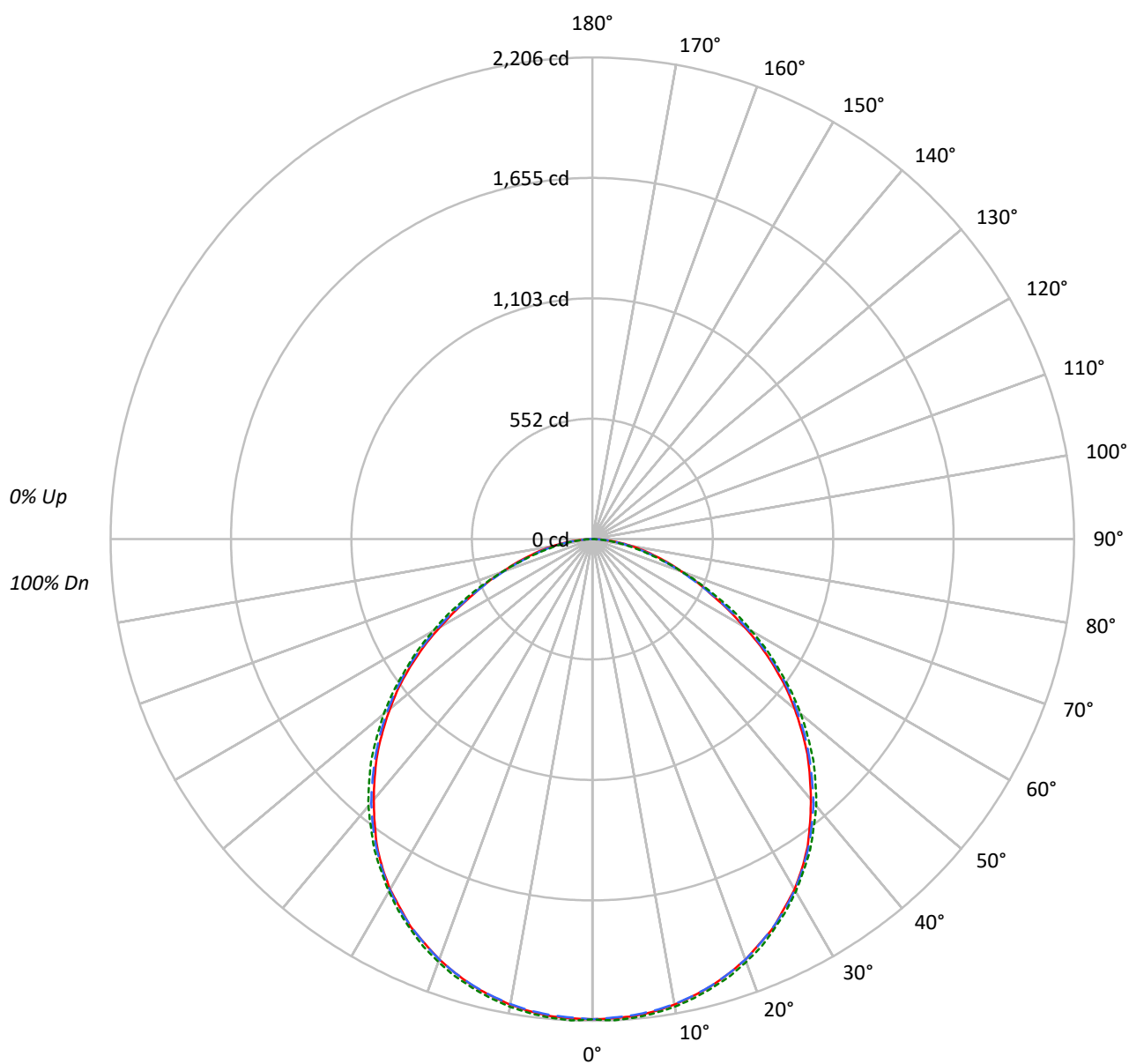
Lumens per Lamp: N/A
Luminaire Lumens: 5796.5 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	5917	5917	5917
5°	5923	5911	5944
10°	5915	5908	5942
15°	5897	5894	5924
20°	5867	5867	5901
25°	5828	5820	5852
30°	5754	5762	5790
35°	5644	5666	5712
40°	5469	5532	5603
45°	5299	5342	5445
50°	5065	5120	5221
55°	4771	4847	4904
60°	4328	4420	4529
65°	3843	3885	4041
70°	3436	3366	3449
75°	3099	2921	2862
80°	2817	2614	2321
85°	2387	2167	1865

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5445 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.6	3.6
10°-20°	598.3	10.3
20°-30°	904.9	15.6
30°-40°	1078.7	18.6
40°-50°	1084.7	18.7
50°-60°	920.6	15.9
60°-70°	612.9	10.6
70°-80°	306.0	5.3
80°-90°	81.9	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°	1711.8	29.5
0°-40°	2790.5	48.1
0°-60°	4795.7	82.7
0°-90°	5796.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5796.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2199	2199	2199	2199	2199	
5°	2192	2193	2188	2198	2200	208
15°	2117	2119	2116	2125	2126	597
25°	1963	1963	1960	1969	1971	902
35°	1718	1720	1725	1737	1739	1072
45°	1392	1395	1404	1422	1431	1071
55°	1017	1024	1033	1043	1045	906
65°	604	609	610	619	635	605
75°	298	294	281	274	275	320
85°	77	76	70	66	60	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2199.0	2199.0	2199.0	2199.0	2199.0
2.5°	2197.2	2199.0	2193.1	2203.7	2206.4
5°	2192.5	2193.1	2188.3	2198.1	2200.5
7.5°	2181.8	2182.7	2177.7	2188.3	2189.8
10°	2164.7	2166.4	2162.3	2172.1	2174.4
12.5°	2142.8	2145.1	2141.0	2151.6	2153.4
15°	2116.7	2119.1	2115.8	2124.7	2126.5
17.5°	2084.7	2086.5	2084.7	2093.0	2097.8
20°	2048.9	2048.9	2048.9	2056.3	2060.5
22.5°	2004.2	2008.4	2006.6	2016.3	2020.5
25°	1962.8	1962.8	1960.1	1969.3	1970.8
27.5°	1904.7	1911.3	1910.7	1918.7	1920.4
30°	1851.7	1853.5	1854.4	1860.0	1863.3
32.5°	1787.5	1789.0	1791.7	1799.6	1800.5
35°	1718.2	1720.0	1724.7	1736.9	1738.7
37.5°	1637.7	1646.6	1650.7	1663.8	1665.2
40°	1556.9	1562.5	1574.9	1588.6	1595.1
42.5°	1474.6	1481.1	1488.5	1507.2	1513.1
45°	1392.3	1394.7	1403.8	1422.5	1430.8
47.5°	1301.1	1308.5	1316.5	1332.8	1337.8
50°	1209.9	1217.9	1223.0	1237.5	1247.2
52.5°	1117.9	1125.3	1130.9	1139.8	1149.5
55°	1016.9	1024.0	1033.2	1043.0	1045.3
57.5°	914.2	922.2	928.1	938.5	949.1
60°	804.1	813.2	821.2	831.0	841.6
62.5°	701.6	705.5	713.8	730.0	745.4
65°	603.6	608.7	610.1	619.3	634.7
67.5°	522.2	522.2	514.8	518.1	535.2
70°	436.7	433.4	427.8	424.5	438.4
72.5°	367.4	363.2	351.1	345.5	352.9
75°	298.1	294.0	280.9	274.4	275.3
77.5°	239.5	233.0	222.3	211.1	208.7
80°	181.8	179.1	168.7	158.1	149.8
82.5°	128.8	123.2	117.2	110.7	104.2
85°	77.3	75.8	70.2	66.0	60.4
87.5°	31.7	31.7	30.2	28.4	26.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)