

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: P1050385

Luminaire Tested: PTR-14-20-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PR1-L940-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

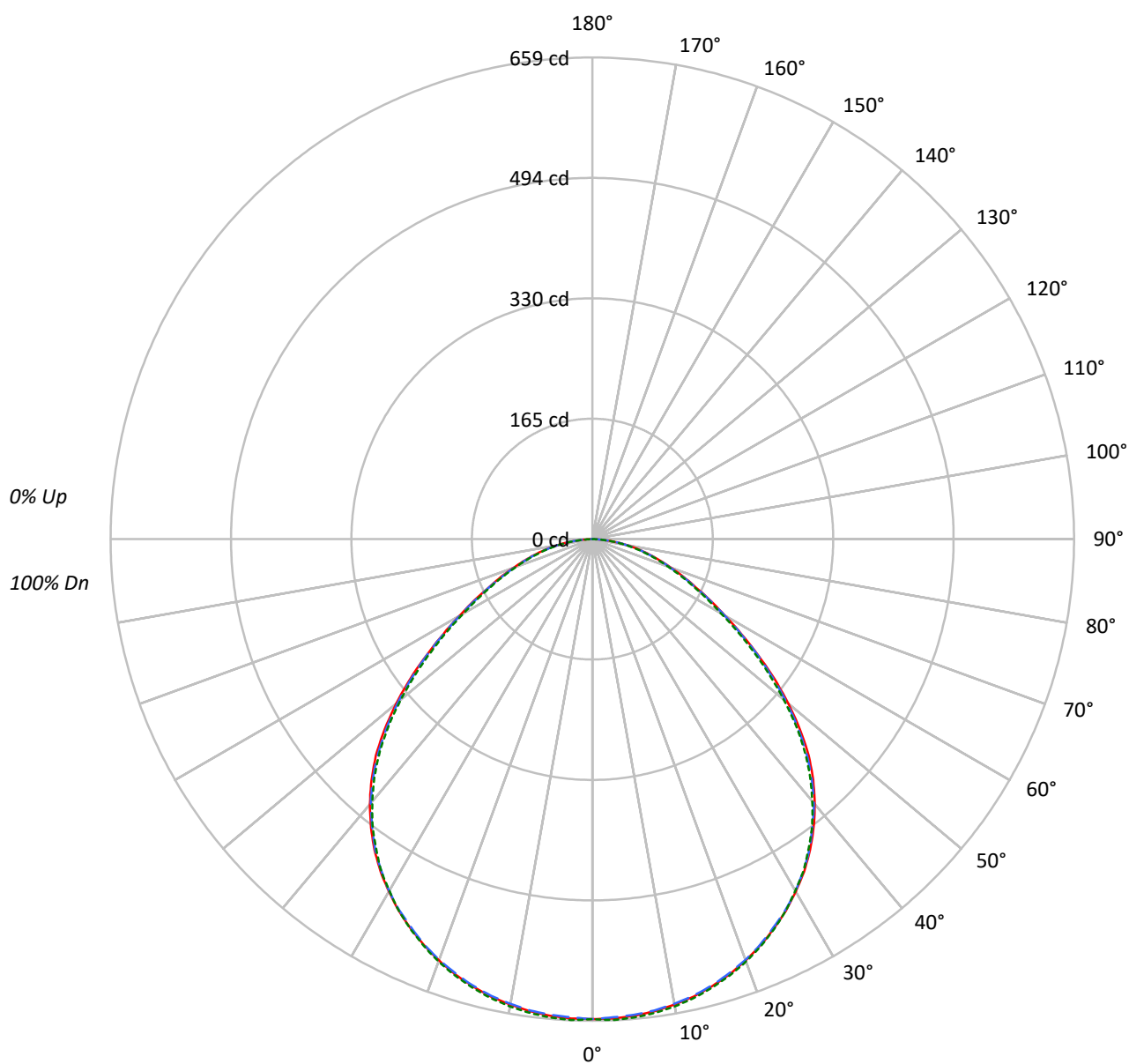
Lumens per Lamp: N/A
Luminaire Lumens: 1660.8 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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: P1050385

CATALOG NUMBER: PTR-14-20-PR1-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050385

CATALOG NUMBER: PTR-14-20-PR1-L940-UNV-STD-W

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1767	1767	1767
5°	1769	1765	1775
10°	1767	1764	1774
15°	1764	1761	1770
20°	1757	1755	1761
25°	1745	1741	1747
30°	1730	1728	1725
35°	1706	1702	1695
40°	1663	1656	1644
45°	1593	1576	1564
50°	1466	1450	1432
55°	1298	1292	1267
60°	1128	1124	1093
65°	994	988	968
70°	902	889	871
75°	835	815	801
80°	762	752	727
85°	602	596	574

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1593 cd/sqm

TEST NUMBER: P1050385

CATALOG NUMBER: PTR-14-20-PR1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	3.8
10°-20°	178.8	10.8
20°-30°	270.9	16.3
30°-40°	323.4	19.5
40°-50°	318.0	19.1
50°-60°	245.8	14.8
60°-70°	155.0	9.3
70°-80°	83.8	5.0
80°-90°	22.9	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°	512.0	30.8
0°-40°	835.3	50.3
0°-60°	1399.1	84.2
0°-90°	1660.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1660.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	657	657	657	657	657	
5°	655	655	653	656	657	62
15°	633	633	632	634	635	179
25°	588	588	586	588	588	271
35°	519	519	518	517	516	324
45°	419	417	414	411	411	321
55°	277	279	275	271	270	248
65°	156	156	155	152	152	157
75°	80	79	78	79	77	85
85°	20	20	19	20	19	23
90°	0	0	0	0	0	

TEST NUMBER: P1050385

CATALOG NUMBER: PTR-14-20-PR1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	656.7	656.7	656.7	656.7	656.7
2.5°	656.4	656.7	654.8	657.9	658.6
5°	654.8	655.1	653.4	656.2	657.0
7.5°	651.5	652.0	650.4	653.2	653.9
10°	646.8	647.3	645.7	648.5	649.2
12.5°	641.0	641.1	639.8	642.3	643.0
15°	633.2	633.4	632.2	634.3	635.2
17.5°	624.2	624.5	622.8	625.4	625.8
20°	613.4	613.6	612.7	614.8	615.1
22.5°	601.4	601.9	600.4	602.3	602.6
25°	587.8	588.2	586.3	588.2	588.5
27.5°	573.4	573.6	572.0	573.4	573.2
30°	556.6	558.1	556.0	555.5	555.3
32.5°	539.3	539.5	537.4	536.9	537.8
35°	519.3	519.4	518.1	517.4	515.9
37.5°	497.4	497.4	494.7	494.3	494.0
40°	473.4	473.1	471.5	469.8	468.1
42.5°	447.2	447.7	444.4	441.5	441.1
45°	418.7	417.1	414.0	410.8	411.0
47.5°	385.1	385.5	381.3	378.7	378.0
50°	350.2	350.2	346.3	343.4	342.0
52.5°	313.8	314.0	310.3	306.5	305.7
55°	276.6	278.9	275.4	270.9	270.0
57.5°	241.8	243.6	240.3	235.6	235.4
60°	209.5	209.7	208.8	204.3	203.1
62.5°	182.0	180.8	180.3	178.0	176.5
65°	156.1	156.3	155.1	152.5	152.1
67.5°	135.1	134.9	132.7	131.1	130.2
70°	114.6	113.9	113.0	111.6	110.7
72.5°	96.3	96.3	95.5	95.1	93.5
75°	80.3	79.4	78.4	78.8	77.0
77.5°	65.0	64.1	63.3	62.3	61.9
80°	49.2	48.2	48.5	47.0	46.9
82.5°	34.1	34.1	33.7	32.5	32.8
85°	19.5	19.8	19.3	19.5	18.6
87.5°	7.1	7.3	7.8	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)