

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: P1050091

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-L940-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

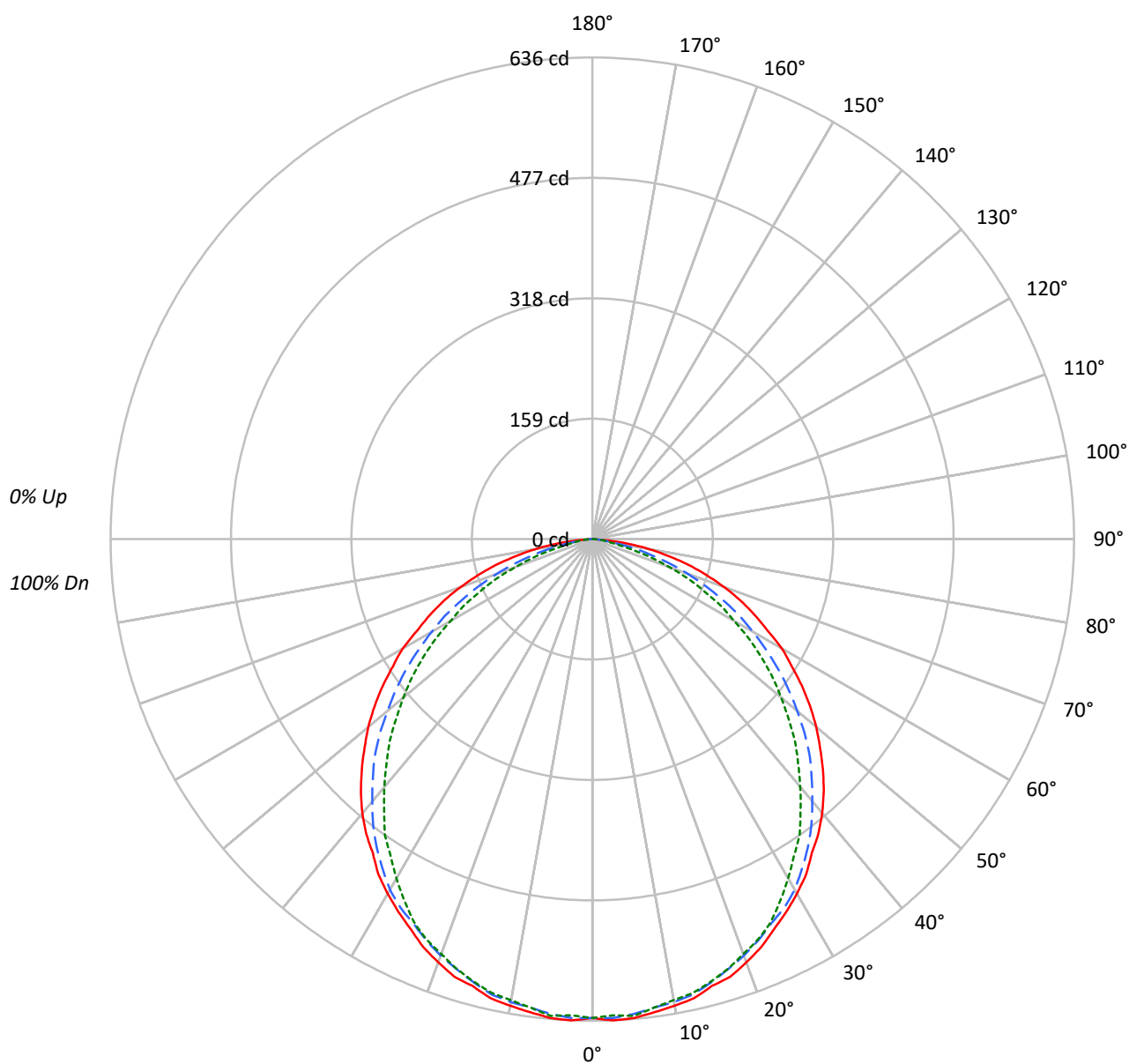
Lumens per Lamp: N/A
Luminaire Lumens: 1684.2 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	100		
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1702	1702	1702
5°	1714	1700	1707
10°	1709	1696	1689
15°	1702	1688	1685
20°	1703	1676	1670
25°	1686	1662	1656
30°	1679	1661	1607
35°	1660	1630	1567
40°	1659	1587	1500
45°	1638	1546	1440
50°	1616	1477	1362
55°	1585	1408	1279
60°	1556	1318	1161
65°	1503	1209	1039
70°	1455	1052	847
75°	1366	830	583
80°	1184	502	350
85°	790	361	337

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1638 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	3.6
10°-20°	171.5	10.2
20°-30°	259.1	15.4
30°-40°	308.0	18.3
40°-50°	312.4	18.5
50°-60°	271.3	16.1
60°-70°	192.6	11.4
70°-80°	92.0	5.5
80°-90°	17.4	1.0
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°	490.5	29.1
0°-40°	798.5	47.4
0°-60°	1382.2	82.1
0°-90°	1684.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1684.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	632	632	632	632	632	
5°	635	632	629	631	632	60
15°	611	612	606	605	605	173
25°	568	567	560	562	558	262
35°	505	505	496	479	477	318
45°	430	427	406	385	378	332
55°	338	328	300	282	273	302
65°	236	218	190	170	163	234
75°	131	107	80	63	56	138
85°	26	14	12	11	11	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	632.3	632.3	632.3	632.3	632.3
2.5°	636.1	633.8	633.0	635.7	629.3
5°	634.6	632.3	629.3	630.8	631.9
7.5°	630.0	628.2	624.0	627.4	624.0
10°	625.5	623.6	620.6	621.8	618.0
12.5°	621.0	616.5	615.7	616.5	613.8
15°	610.8	612.3	605.9	605.2	604.8
17.5°	605.9	602.2	595.4	595.8	595.0
20°	594.6	590.1	585.2	584.5	583.0
22.5°	583.0	577.7	573.2	575.4	572.0
25°	567.9	567.1	559.6	561.9	557.7
27.5°	554.7	552.1	548.7	543.8	537.8
30°	540.4	537.8	534.4	521.6	517.1
32.5°	525.3	522.3	515.6	500.5	495.6
35°	505.4	504.6	496.3	479.4	477.1
37.5°	490.3	482.0	475.3	457.9	451.5
40°	472.2	467.7	451.9	435.3	427.1
42.5°	452.3	447.0	428.9	411.2	402.2
45°	430.4	426.7	406.3	384.9	378.5
47.5°	407.8	404.5	380.4	359.6	351.4
50°	386.0	381.9	352.9	332.9	325.4
52.5°	362.3	355.5	326.9	307.3	300.1
55°	337.8	327.6	300.1	282.4	272.7
57.5°	311.8	302.4	271.9	253.4	245.5
60°	289.2	276.0	244.8	226.0	215.8
62.5°	260.2	248.9	219.2	197.0	192.1
65°	236.1	218.4	189.8	169.5	163.1
67.5°	211.6	190.9	161.9	141.2	137.8
70°	184.9	163.4	133.7	113.4	107.7
72.5°	157.8	136.7	107.7	86.2	82.8
75°	131.4	107.3	79.8	63.3	56.1
77.5°	102.8	81.0	56.1	38.8	34.3
80°	76.4	54.6	32.4	23.0	22.6
82.5°	50.1	31.6	17.3	17.7	16.9
85°	25.6	13.6	11.7	11.3	10.9
87.5°	4.9	5.3	5.6	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)