

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: P1050336

Luminaire Tested: PTR-14-20-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050336
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-14-20-PP3-L940-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

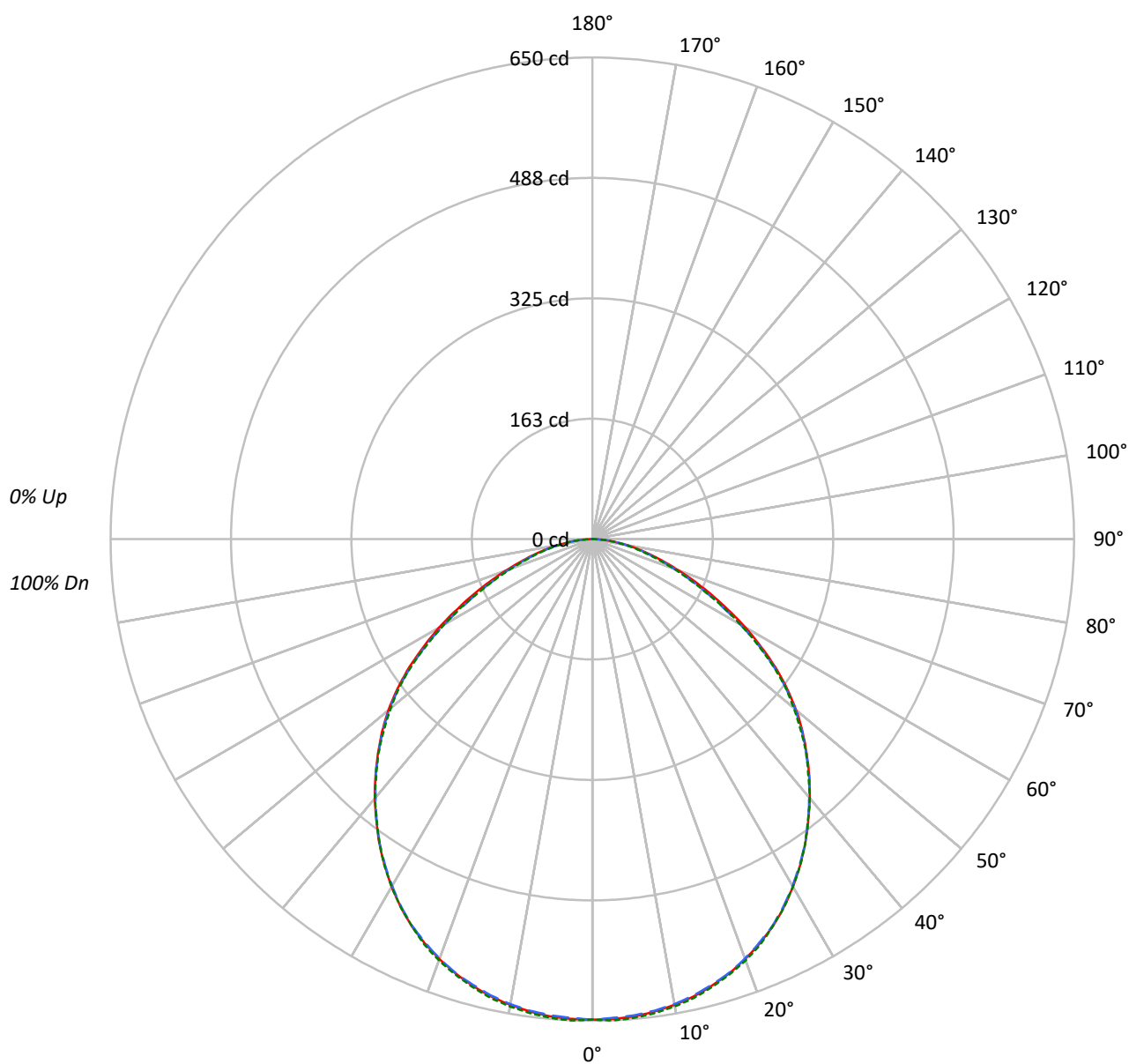
Lumens per Lamp: N/A
Luminaire Lumens: 1675.2 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1745	1745	1745
5°	1746	1742	1752
10°	1744	1741	1750
15°	1738	1735	1743
20°	1727	1725	1733
25°	1711	1708	1711
30°	1683	1679	1683
35°	1646	1644	1645
40°	1604	1599	1603
45°	1556	1551	1553
50°	1504	1496	1486
55°	1415	1399	1394
60°	1285	1241	1244
65°	1128	1072	1070
70°	976	931	921
75°	844	813	794
80°	747	736	704
85°	618	639	602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1561 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	3.7
10°-20°	176.2	10.5
20°-30°	265.2	15.8
30°-40°	313.0	18.7
40°-50°	314.8	18.8
50°-60°	265.8	15.9
60°-70°	170.7	10.2
70°-80°	84.9	5.1
80°-90°	23.3	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°	502.8	30.0
0°-40°	815.8	48.7
0°-60°	1396.4	83.4
0°-90°	1675.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1675.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	648	648	648	648	648	
5°	646	647	645	648	648	61
15°	624	624	623	626	626	176
25°	576	576	575	576	576	265
35°	501	501	500	501	501	313
45°	409	410	408	408	408	315
55°	302	301	298	297	297	268
65°	177	175	168	167	168	177
75°	81	81	78	77	76	88
85°	20	21	21	20	20	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	648.4	648.4	648.4	648.4	648.4
2.5°	648.1	648.4	646.6	649.7	650.2
5°	646.5	646.6	645.0	648.1	648.5
7.5°	643.1	643.4	641.9	644.8	645.3
10°	638.2	639.0	637.2	639.9	640.3
12.5°	632.1	632.4	630.7	633.7	634.2
15°	623.9	624.1	622.7	625.5	625.5
17.5°	614.4	614.7	613.7	616.1	615.9
20°	603.0	603.6	602.4	604.1	605.0
22.5°	590.5	590.7	589.3	591.4	592.3
25°	576.4	576.5	575.4	576.5	576.1
27.5°	559.9	560.3	558.7	559.9	560.1
30°	541.5	542.7	540.4	541.3	541.5
32.5°	521.7	522.4	520.8	521.0	522.2
35°	501.0	501.3	500.3	500.8	500.8
37.5°	478.7	479.6	478.2	478.9	477.9
40°	456.6	455.6	455.1	455.6	456.3
42.5°	433.2	433.5	432.8	432.3	431.2
45°	408.8	410.2	407.6	408.1	408.1
47.5°	384.8	385.0	383.6	382.2	381.2
50°	359.2	359.2	357.4	356.3	354.9
52.5°	331.1	330.7	328.8	327.6	328.3
55°	301.7	301.4	298.2	297.0	297.2
57.5°	269.5	270.0	265.0	263.8	263.8
60°	238.7	236.3	230.6	229.0	231.1
62.5°	206.3	203.5	197.4	197.4	199.1
65°	177.2	174.6	168.3	166.6	168.0
67.5°	149.9	147.5	141.7	140.8	141.2
70°	124.0	121.9	118.3	116.2	117.0
72.5°	101.7	99.8	97.4	95.8	94.8
75°	81.2	80.7	78.2	77.4	76.4
77.5°	64.2	64.0	61.9	61.0	60.0
80°	48.2	48.0	47.5	46.1	45.4
82.5°	34.4	34.4	34.1	32.9	32.2
85°	20.0	20.7	20.7	19.5	19.5
87.5°	8.0	8.5	8.0	8.0	7.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)