

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: P1050183

Luminaire Tested: PTR-14-20-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PC3-L930-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

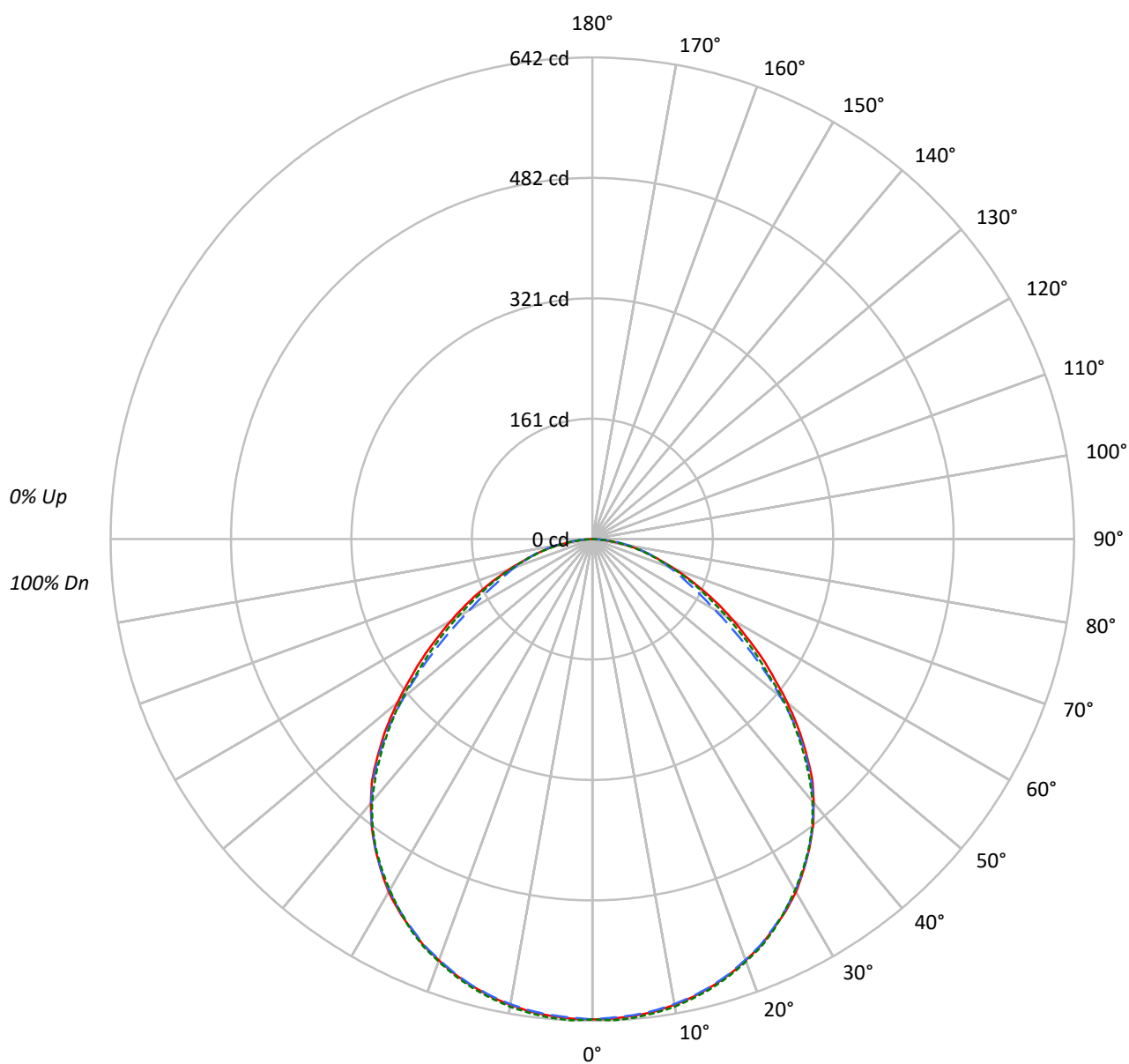
Lumens per Lamp: N/A
Luminaire Lumens: 1613.8 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1722	1722	1722
5°	1723	1720	1730
10°	1723	1720	1729
15°	1719	1717	1724
20°	1711	1708	1716
25°	1700	1697	1703
30°	1687	1681	1678
35°	1656	1655	1652
40°	1612	1610	1603
45°	1533	1522	1507
50°	1420	1372	1387
55°	1295	1190	1244
60°	1168	1016	1114
65°	1044	909	1002
70°	926	859	901
75°	819	833	803
80°	707	795	702
85°	528	630	528

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1537 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	3.8
10°-20°	174.3	10.8
20°-30°	263.8	16.3
30°-40°	314.6	19.5
40°-50°	307.3	19.0
50°-60°	235.0	14.6
60°-70°	150.9	9.4
70°-80°	83.9	5.2
80°-90°	23.2	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°	498.8	30.9
0°-40°	813.4	50.4
0°-60°	1355.7	84.0
0°-90°	1613.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1613.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	638	638	637	640	640	61
15°	617	618	616	618	619	174
25°	572	573	572	573	574	264
35°	504	505	504	503	503	315
45°	403	404	400	399	396	310
55°	276	266	254	257	265	247
65°	164	151	143	147	157	164
75°	79	79	80	79	77	84
85°	17	20	20	20	17	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	640.1	640.1	640.1	640.1	640.1
2.5°	639.7	639.9	638.3	641.0	641.9
5°	637.8	638.3	636.7	639.7	640.3
7.5°	635.1	635.5	633.9	636.9	637.2
10°	630.5	630.8	629.4	632.4	632.8
12.5°	624.4	625.0	623.5	626.2	626.4
15°	617.0	617.5	616.3	618.4	619.0
17.5°	608.3	608.6	607.4	609.6	609.9
20°	597.5	597.5	596.6	599.2	599.2
22.5°	586.5	585.9	585.6	586.5	587.9
25°	572.4	573.0	571.5	573.3	573.7
27.5°	558.7	558.7	557.2	558.2	557.0
30°	542.9	541.9	541.0	541.2	540.1
32.5°	523.8	523.8	523.4	523.4	522.0
35°	504.2	504.6	503.7	503.4	502.8
37.5°	483.0	483.8	482.1	481.7	481.2
40°	459.0	459.0	458.3	457.4	456.3
42.5°	434.0	434.0	431.1	428.8	427.2
45°	402.9	403.9	399.9	399.0	395.9
47.5°	372.0	371.3	366.1	365.4	363.6
50°	339.1	335.1	327.7	329.7	331.3
52.5°	306.1	301.3	290.3	292.6	295.3
55°	276.1	266.5	253.7	256.9	265.1
57.5°	244.7	231.9	219.1	225.1	235.3
60°	217.0	202.6	188.7	195.1	207.0
62.5°	190.5	175.2	164.0	170.1	180.2
65°	164.0	151.3	142.7	147.4	157.3
67.5°	139.7	131.2	125.3	127.5	135.5
70°	117.7	112.4	109.2	109.9	114.5
72.5°	96.8	95.5	94.3	94.3	94.7
75°	78.8	79.4	80.1	79.0	77.2
77.5°	62.1	64.3	66.0	63.6	61.4
80°	45.6	49.2	51.3	48.7	45.3
82.5°	31.1	35.3	35.9	34.4	30.4
85°	17.1	20.1	20.4	19.7	17.1
87.5°	6.4	7.6	8.2	7.6	6.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)