

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: P1050186

Luminaire Tested: PTR-14-20-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050186
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-L935-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

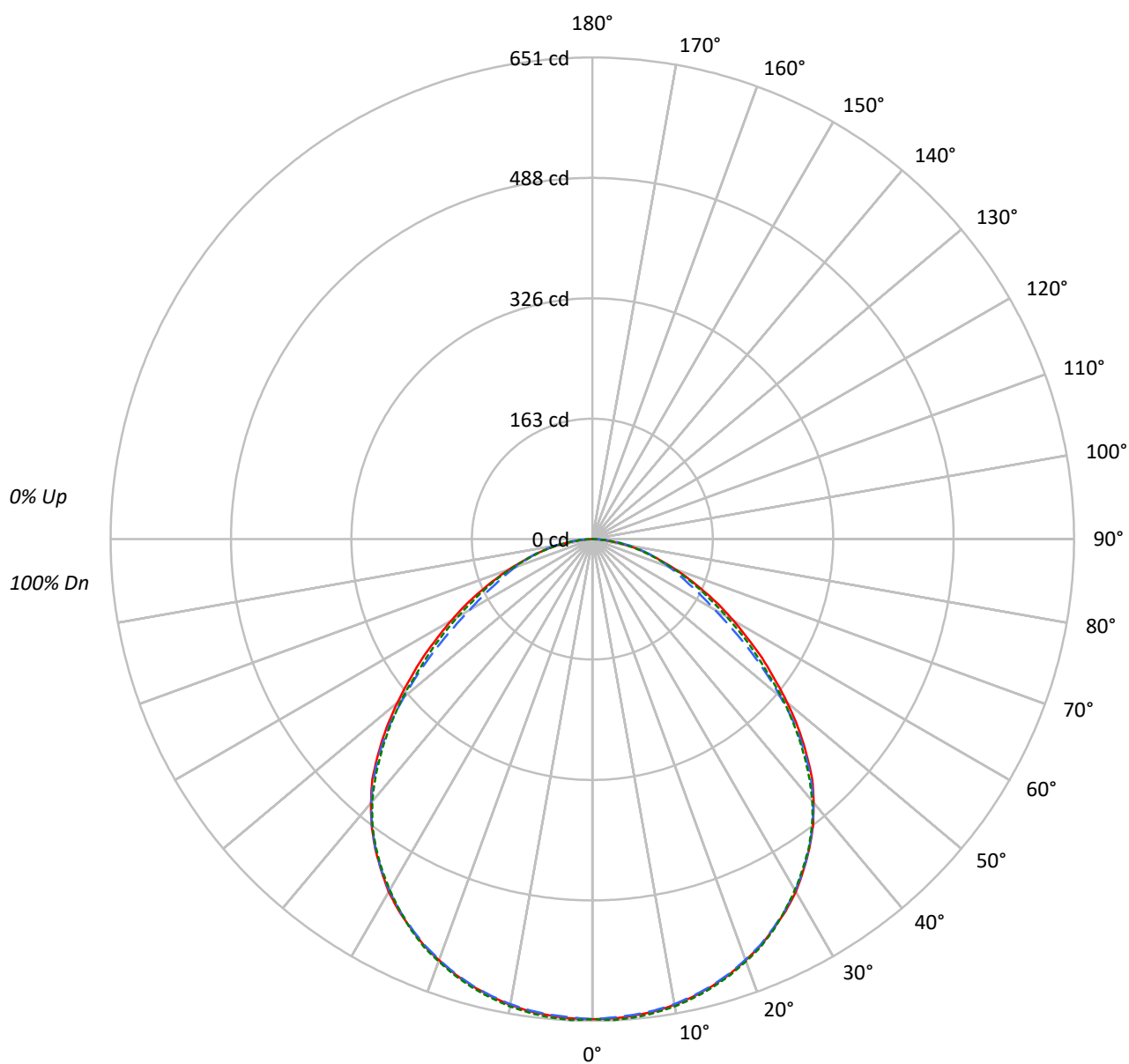
Lumens per Lamp: N/A
Luminaire Lumens: 1635.8 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1746	1746	1746
5°	1747	1743	1753
10°	1747	1743	1753
15°	1742	1740	1748
20°	1735	1732	1739
25°	1723	1720	1727
30°	1710	1704	1701
35°	1679	1677	1674
40°	1635	1632	1625
45°	1555	1543	1527
50°	1439	1390	1406
55°	1313	1207	1261
60°	1184	1029	1129
65°	1058	921	1016
70°	939	871	913
75°	831	844	814
80°	716	806	713
85°	537	639	537

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1558 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	3.8
10°-20°	176.6	10.8
20°-30°	267.4	16.3
30°-40°	318.9	19.5
40°-50°	311.6	19.0
50°-60°	238.2	14.6
60°-70°	153.0	9.4
70°-80°	85.1	5.2
80°-90°	23.5	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°	505.6	30.9
0°-40°	824.5	50.4
0°-60°	1374.3	84.0
0°-90°	1635.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1635.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	649	649	649	649	649	
5°	647	647	645	648	649	61
15°	625	626	625	627	628	177
25°	580	581	579	581	582	268
35°	511	512	511	510	510	319
45°	408	409	405	404	401	314
55°	280	270	257	260	269	250
65°	166	153	145	149	160	166
75°	80	80	81	80	78	85
85°	17	20	21	20	17	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	648.9	648.9	648.9	648.9	648.9
2.5°	648.4	648.7	647.0	649.8	650.7
5°	646.6	647.0	645.4	648.4	649.1
7.5°	643.8	644.2	642.6	645.6	645.9
10°	639.2	639.4	638.0	641.0	641.4
12.5°	632.9	633.6	632.0	634.8	634.9
15°	625.4	625.9	624.7	626.8	627.5
17.5°	616.6	616.9	615.7	618.0	618.2
20°	605.7	605.7	604.8	607.4	607.4
22.5°	594.5	593.9	593.6	594.5	596.0
25°	580.2	580.9	579.3	581.1	581.6
27.5°	566.3	566.3	564.9	565.8	564.6
30°	550.3	549.4	548.4	548.6	547.5
32.5°	531.0	531.0	530.5	530.5	529.1
35°	511.1	511.5	510.6	510.3	509.6
37.5°	489.7	490.4	488.7	488.3	487.8
40°	465.3	465.3	464.6	463.7	462.5
42.5°	440.0	440.0	437.0	434.7	433.1
45°	408.5	409.4	405.4	404.5	401.3
47.5°	377.1	376.4	371.1	370.4	368.6
50°	343.7	339.7	332.1	334.2	335.9
52.5°	310.3	305.4	294.3	296.6	299.3
55°	279.9	270.2	257.2	260.4	268.7
57.5°	248.1	235.1	222.1	228.2	238.5
60°	220.0	205.4	191.2	197.7	209.8
62.5°	193.1	177.6	166.2	172.4	182.6
65°	166.2	153.4	144.6	149.4	159.5
67.5°	141.6	133.0	127.0	129.3	137.4
70°	119.3	113.9	110.7	111.4	116.0
72.5°	98.2	96.8	95.6	95.6	96.0
75°	79.9	80.5	81.2	80.1	78.3
77.5°	62.9	65.2	66.9	64.5	62.2
80°	46.2	49.9	52.0	49.4	46.0
82.5°	31.5	35.8	36.4	34.8	30.9
85°	17.4	20.4	20.7	20.0	17.4
87.5°	6.5	7.7	8.3	7.7	6.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)