

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: P1050235

Luminaire Tested: PTR-14-20-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PL1-L935-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

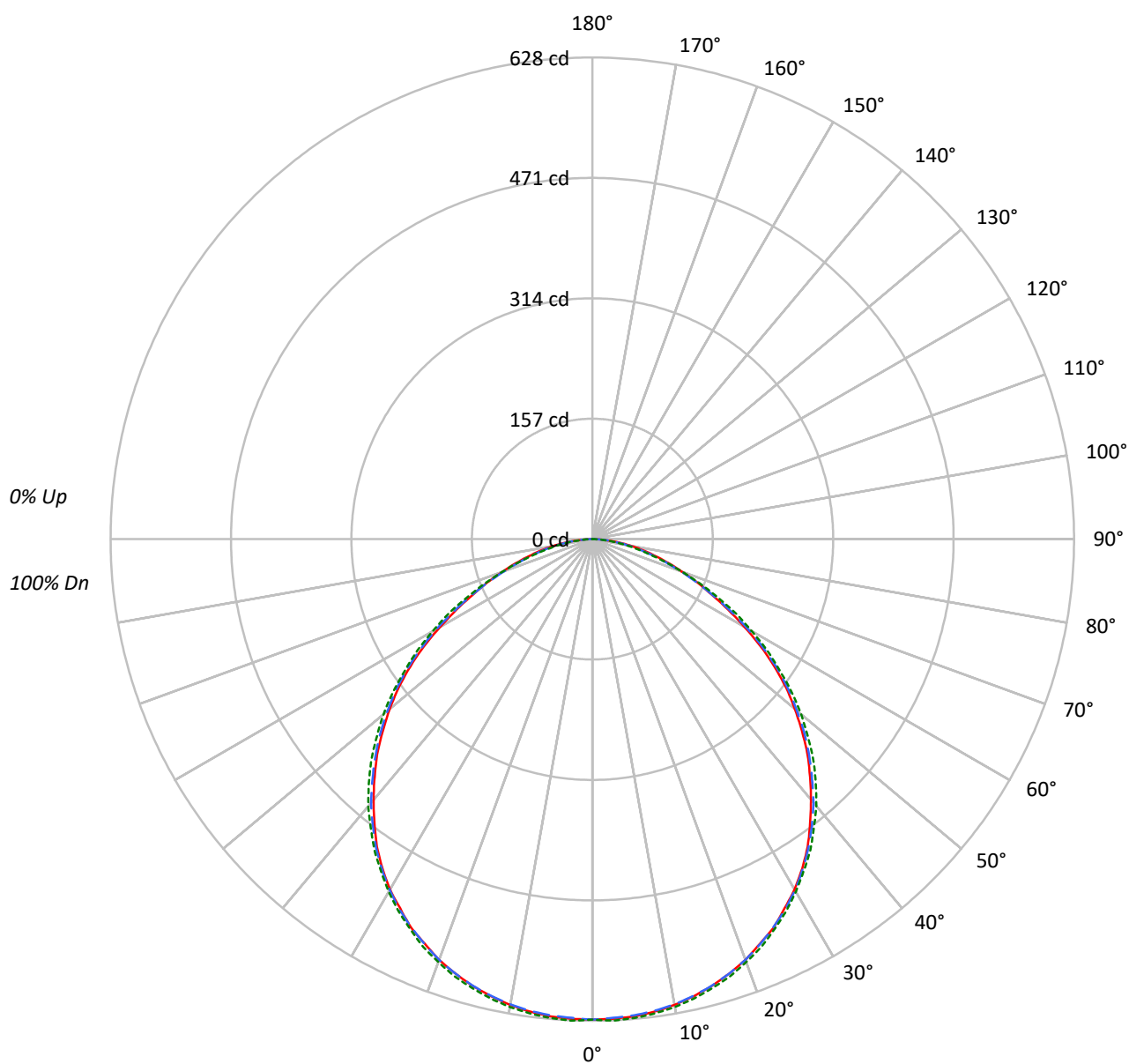
Lumens per Lamp: N/A
Luminaire Lumens: 1651.2 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1686	1686	1686
5°	1687	1684	1693
10°	1685	1683	1693
15°	1680	1679	1688
20°	1672	1672	1681
25°	1660	1658	1667
30°	1639	1642	1649
35°	1608	1614	1627
40°	1558	1576	1596
45°	1509	1522	1551
50°	1443	1459	1487
55°	1359	1381	1397
60°	1232	1259	1291
65°	1095	1107	1151
70°	979	959	983
75°	883	832	815
80°	803	745	662
85°	679	618	531

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1551 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	3.6
10°-20°	170.4	10.3
20°-30°	257.8	15.6
30°-40°	307.3	18.6
40°-50°	309.0	18.7
50°-60°	262.2	15.9
60°-70°	174.6	10.6
70°-80°	87.2	5.3
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°	487.6	29.5
0°-40°	794.9	48.1
0°-60°	1366.1	82.7
0°-90°	1651.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1651.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	626	626	626	626	626	
5°	625	625	623	626	627	59
15°	603	604	603	605	606	170
25°	559	559	558	561	561	257
35°	490	490	491	495	495	305
45°	397	397	400	405	408	305
55°	290	292	294	297	298	258
65°	172	173	174	176	181	172
75°	85	84	80	78	78	91
85°	22	22	20	19	17	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	626.4	626.4	626.4	626.4	626.4
2.5°	625.9	626.4	624.7	627.8	628.5
5°	624.6	624.7	623.4	626.2	626.8
7.5°	621.5	621.8	620.3	623.4	623.8
10°	616.6	617.1	616.0	618.7	619.4
12.5°	610.4	611.1	609.9	612.9	613.4
15°	603.0	603.6	602.7	605.2	605.8
17.5°	593.9	594.4	593.9	596.2	597.6
20°	583.7	583.7	583.7	585.8	586.9
22.5°	570.9	572.1	571.6	574.4	575.6
25°	559.1	559.1	558.4	561.0	561.4
27.5°	542.6	544.4	544.3	546.6	547.1
30°	527.5	528.0	528.3	529.9	530.8
32.5°	509.2	509.6	510.4	512.7	512.9
35°	489.5	490.0	491.3	494.8	495.3
37.5°	466.5	469.1	470.2	473.9	474.4
40°	443.5	445.1	448.6	452.5	454.4
42.5°	420.1	421.9	424.0	429.3	431.0
45°	396.6	397.3	399.9	405.2	407.6
47.5°	370.6	372.7	375.0	379.7	381.1
50°	344.7	346.9	348.4	352.5	355.3
52.5°	318.4	320.5	322.1	324.7	327.5
55°	289.7	291.7	294.3	297.1	297.8
57.5°	260.4	262.7	264.4	267.3	270.4
60°	229.0	231.7	233.9	236.7	239.8
62.5°	199.9	201.0	203.3	208.0	212.3
65°	172.0	173.4	173.8	176.4	180.8
67.5°	148.8	148.8	146.7	147.6	152.5
70°	124.4	123.5	121.9	120.9	124.9
72.5°	104.7	103.5	100.0	98.4	100.5
75°	84.9	83.7	80.0	78.2	78.4
77.5°	68.2	66.4	63.3	60.1	59.5
80°	51.8	51.0	48.1	45.0	42.7
82.5°	36.7	35.1	33.4	31.5	29.7
85°	22.0	21.6	20.0	18.8	17.2
87.5°	9.0	9.0	8.6	8.1	7.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)