

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: P1050431

Luminaire Tested: PTR-14-20-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PW1-L935-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

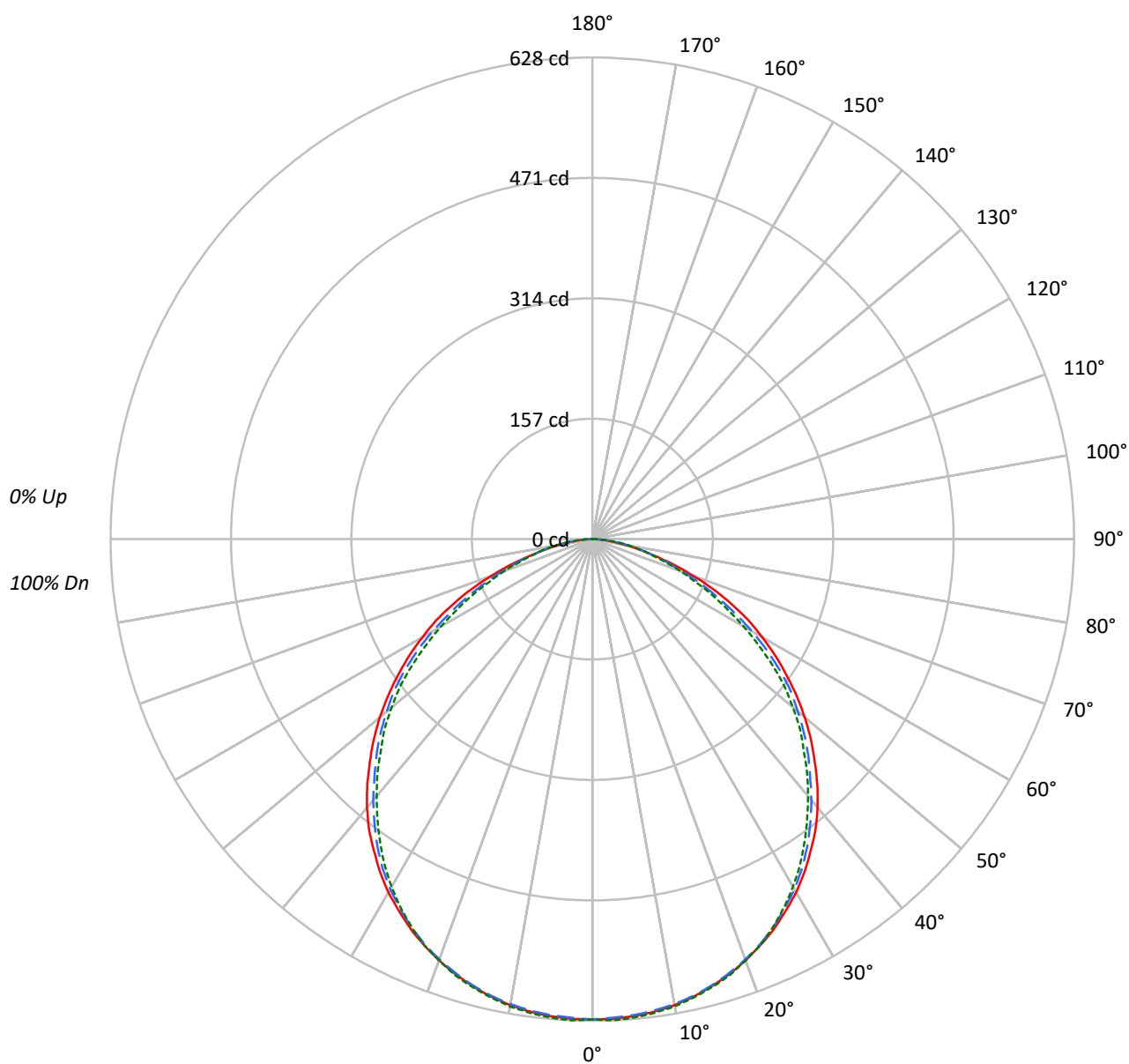
Lumens per Lamp: N/A
Luminaire Lumens: 1661.8 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1685	1685	1685
5°	1686	1683	1692
10°	1686	1682	1690
15°	1680	1678	1684
20°	1674	1670	1674
25°	1665	1657	1656
30°	1652	1637	1626
35°	1630	1605	1584
40°	1605	1561	1536
45°	1560	1514	1483
50°	1513	1464	1430
55°	1450	1401	1345
60°	1375	1294	1226
65°	1272	1155	1098
70°	1102	1006	968
75°	880	861	837
80°	669	747	747
85°	494	639	639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	3.6
10°-20°	170.3	10.2
20°-30°	257.4	15.5
30°-40°	305.7	18.4
40°-50°	307.9	18.5
50°-60°	266.2	16.0
60°-70°	181.9	10.9
70°-80°	89.7	5.4
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°	487.1	29.3
0°-40°	792.8	47.7
0°-60°	1366.9	82.3
0°-90°	1661.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1661.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	626	626	626	626	626	
5°	624	625	623	626	626	59
15°	603	604	602	604	605	170
25°	561	560	558	559	558	258
35°	496	494	489	484	482	311
45°	410	406	398	393	390	316
55°	309	308	299	290	287	276
65°	200	193	181	174	172	197
75°	85	84	83	83	80	92
85°	16	19	21	21	21	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	626.2	626.2	626.2	626.2	626.2
2.5°	626.0	626.2	624.6	627.4	628.0
5°	624.3	624.6	623.0	625.5	626.2
7.5°	621.4	621.8	619.9	622.5	623.0
10°	616.9	617.2	615.6	618.1	618.6
12.5°	610.9	611.1	609.7	612.0	612.0
15°	603.2	603.9	602.3	604.4	604.6
17.5°	594.6	594.9	593.3	595.6	596.1
20°	584.4	584.4	583.1	585.0	584.4
22.5°	573.1	573.1	571.5	572.4	572.8
25°	560.6	560.1	558.2	558.7	557.8
27.5°	546.2	546.2	542.9	542.9	541.3
30°	531.6	530.4	526.9	524.8	523.2
32.5°	514.8	513.2	508.8	505.1	503.9
35°	496.1	494.4	488.6	484.2	482.3
37.5°	478.0	474.3	466.6	462.2	460.1
40°	456.8	452.2	444.3	438.2	437.3
42.5°	434.1	430.4	420.2	415.7	414.6
45°	410.0	405.5	397.9	393.2	389.8
47.5°	386.3	383.0	374.3	368.7	367.5
50°	361.4	358.7	349.6	343.7	341.5
52.5°	335.7	333.9	326.2	318.5	316.0
55°	309.1	308.2	298.6	289.8	286.7
57.5°	282.9	281.7	269.8	259.6	256.8
60°	255.5	252.0	240.4	230.8	227.8
62.5°	229.5	222.1	209.5	202.1	198.6
65°	199.7	192.6	181.4	173.5	172.4
67.5°	170.6	162.0	153.4	148.5	144.8
70°	140.1	134.3	127.8	123.7	123.0
72.5°	111.8	107.7	104.4	101.8	99.7
75°	84.6	84.0	82.8	82.8	80.5
77.5°	62.2	63.8	64.8	64.5	65.0
80°	43.2	46.4	48.2	48.5	48.2
82.5°	27.4	31.1	34.1	34.6	35.1
85°	16.0	18.8	20.7	21.1	20.7
87.5°	7.2	9.0	9.5	9.9	9.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)