

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: P1050134

Luminaire Tested: PTR-14-20-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PB1-L930-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

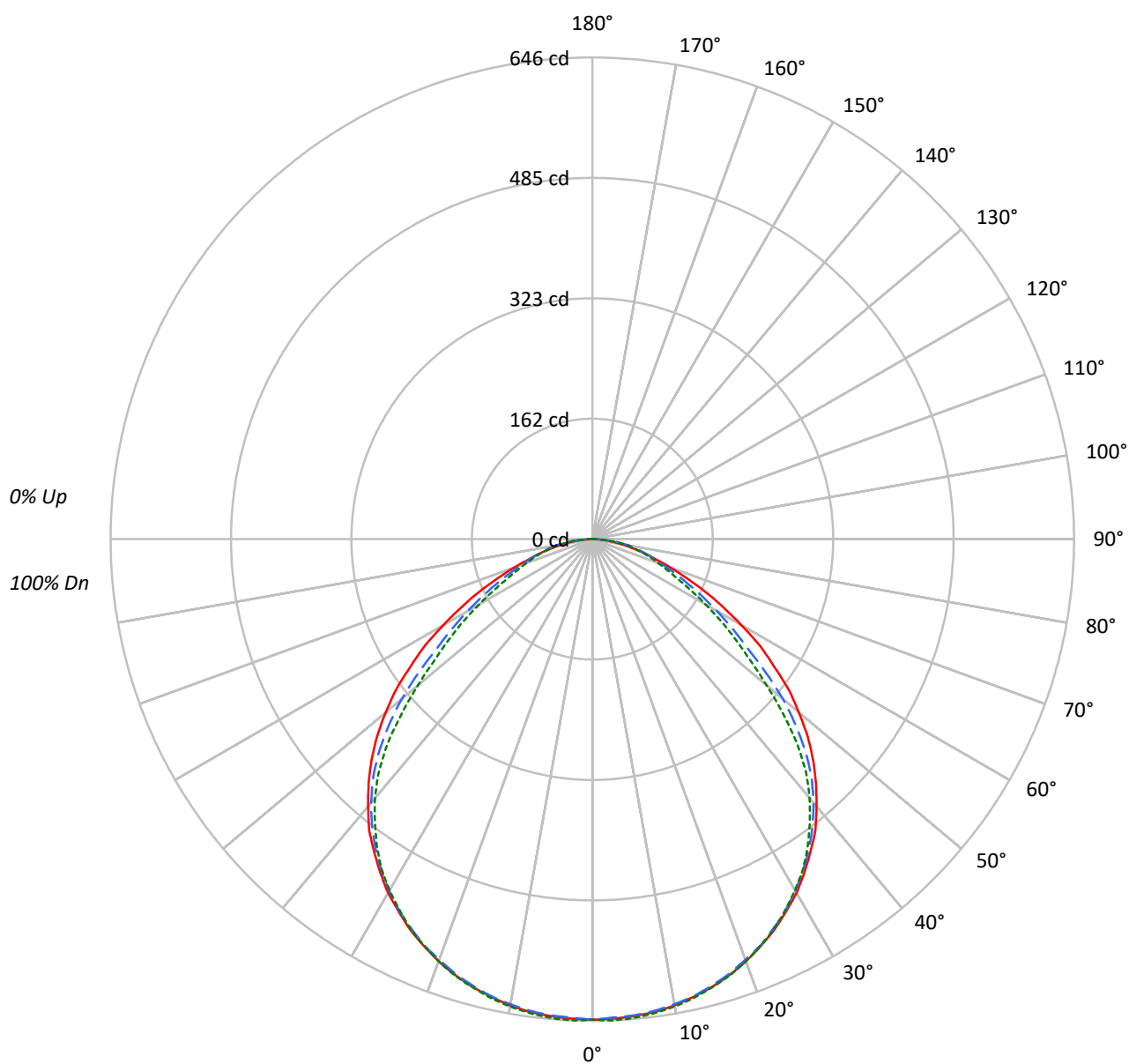
Lumens per Lamp: N/A
Luminaire Lumens: 1607.0 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1734	1734	1734
5°	1734	1732	1741
10°	1735	1731	1740
15°	1731	1727	1734
20°	1725	1718	1725
25°	1716	1709	1714
30°	1702	1692	1690
35°	1677	1664	1654
40°	1643	1621	1593
45°	1593	1541	1478
50°	1513	1397	1278
55°	1395	1187	1101
60°	1242	1037	943
65°	1065	898	803
70°	880	792	736
75°	741	758	717
80°	626	773	738
85°	491	784	685

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1593 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	3.8
10°-20°	175.3	10.9
20°-30°	265.6	16.5
30°-40°	316.5	19.7
40°-50°	309.5	19.3
50°-60°	234.1	14.6
60°-70°	143.8	8.9
70°-80°	76.6	4.8
80°-90°	24.4	1.5
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°	502.1	31.2
0°-40°	818.6	50.9
0°-60°	1362.2	84.8
0°-90°	1607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1607.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	644	644	644	644	644	
5°	642	643	641	644	644	61
15°	622	622	620	622	622	175
25°	578	577	576	576	577	266
35°	510	510	507	504	503	319
45°	418	416	405	392	388	322
55°	297	282	253	239	235	266
65°	167	154	141	130	126	166
75°	71	72	73	71	69	76
85°	16	21	25	24	22	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	644.5	644.5	644.5	644.5	644.5
2.5°	643.7	644.5	642.1	645.3	646.1
5°	642.1	642.9	641.3	643.7	644.5
7.5°	639.7	639.7	638.2	640.5	641.3
10°	635.0	635.0	633.4	635.7	636.6
12.5°	628.7	628.7	627.8	629.4	630.2
15°	621.5	622.3	619.9	622.3	622.3
17.5°	612.8	612.0	611.2	612.8	613.6
20°	602.5	602.5	600.1	601.7	602.5
22.5°	590.6	590.6	589.8	590.6	589.8
25°	577.9	577.1	575.5	576.3	577.1
27.5°	562.8	562.8	561.3	561.3	560.4
30°	547.8	546.9	544.6	543.0	543.8
32.5°	529.5	528.7	526.4	524.8	525.6
35°	510.5	509.7	506.6	504.2	503.4
37.5°	491.5	489.1	485.1	481.9	478.8
40°	467.7	465.3	461.4	454.2	453.4
42.5°	443.9	441.6	435.2	426.5	424.1
45°	418.5	416.2	405.0	391.6	388.4
47.5°	391.6	387.7	370.2	353.5	347.2
50°	361.5	354.4	333.7	312.3	305.2
52.5°	332.1	319.5	292.5	273.5	266.4
55°	297.3	282.2	252.9	238.6	234.6
57.5°	266.4	245.8	222.0	207.7	204.6
60°	230.7	211.6	192.7	179.9	175.2
62.5°	198.2	181.5	165.7	154.5	149.1
65°	167.3	153.8	141.1	130.0	126.1
67.5°	137.2	130.0	119.7	111.0	108.6
70°	111.8	107.8	100.7	96.7	93.5
72.5°	88.8	90.4	85.6	84.1	81.6
75°	71.3	72.2	72.9	70.6	69.0
77.5°	53.9	57.8	61.0	59.4	57.8
80°	40.4	44.4	49.9	47.6	47.6
82.5°	27.7	32.5	37.3	35.7	34.9
85°	15.9	20.6	25.4	23.8	22.2
87.5°	6.3	10.3	11.1	11.1	10.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)