

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: P1050428

Luminaire Tested: PTR-14-20-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050428
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-L930-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

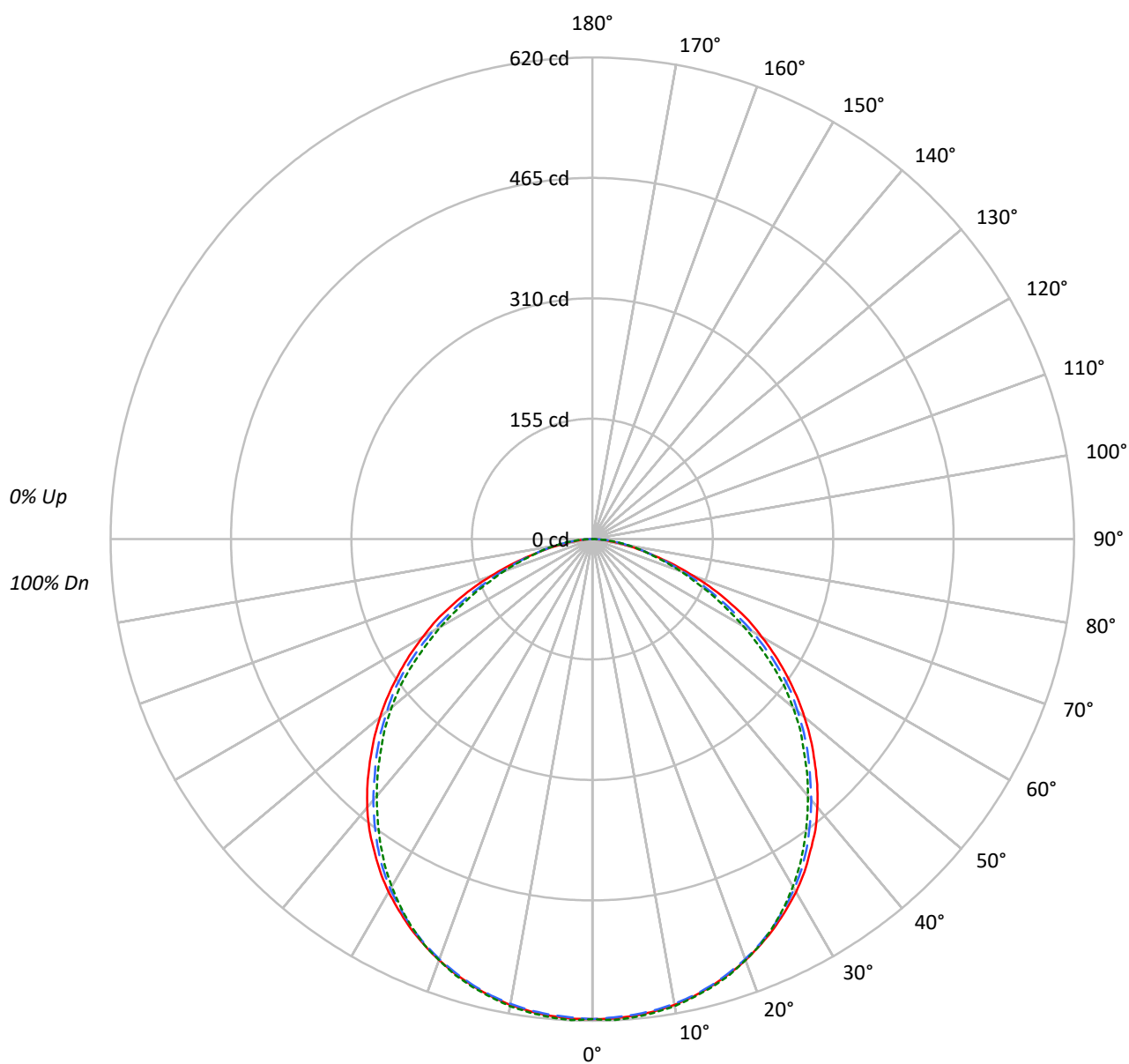
Lumens per Lamp: N/A
Luminaire Lumens: 1639.7 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1663	1663	1663
5°	1664	1660	1669
10°	1663	1660	1668
15°	1658	1656	1662
20°	1651	1647	1651
25°	1642	1635	1634
30°	1630	1615	1604
35°	1608	1584	1563
40°	1583	1540	1516
45°	1540	1494	1464
50°	1493	1444	1411
55°	1431	1383	1327
60°	1357	1277	1210
65°	1255	1140	1083
70°	1088	992	955
75°	868	849	826
80°	660	738	738
85°	488	630	630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1540 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	3.6
10°-20°	168.1	10.3
20°-30°	254.0	15.5
30°-40°	301.6	18.4
40°-50°	303.9	18.5
50°-60°	262.6	16.0
60°-70°	179.5	10.9
70°-80°	88.5	5.4
80°-90°	22.9	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°	480.7	29.3
0°-40°	782.3	47.7
0°-60°	1348.8	82.3
0°-90°	1639.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1639.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	618	618	618	618	618	
5°	616	616	615	617	618	59
15°	595	596	594	596	597	168
25°	553	553	551	551	550	255
35°	490	488	482	478	476	306
45°	405	400	393	388	385	312
55°	305	304	295	286	283	273
65°	197	190	179	171	170	195
75°	84	83	82	82	79	91
85°	16	19	20	21	20	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	617.9	617.9	617.9	617.9	617.9
2.5°	617.7	617.9	616.3	619.0	619.7
5°	616.0	616.3	614.7	617.2	617.9
7.5°	613.1	613.5	611.7	614.2	614.7
10°	608.7	609.0	607.4	609.9	610.4
12.5°	602.8	603.0	601.6	603.9	603.9
15°	595.2	595.9	594.3	596.4	596.6
17.5°	586.7	587.0	585.4	587.7	588.2
20°	576.7	576.7	575.3	577.2	576.7
22.5°	565.4	565.4	563.9	564.8	565.2
25°	553.1	552.6	550.8	551.3	550.4
27.5°	538.9	538.9	535.7	535.7	534.1
30°	524.5	523.4	519.9	517.9	516.3
32.5°	508.0	506.4	502.1	498.4	497.2
35°	489.5	487.8	482.1	477.8	475.9
37.5°	471.6	467.9	460.4	456.1	454.0
40°	450.7	446.2	438.4	432.4	431.5
42.5°	428.4	424.7	414.6	410.2	409.1
45°	404.6	400.1	392.6	388.0	384.6
47.5°	381.2	377.9	369.3	363.8	362.6
50°	356.6	353.9	345.0	339.1	337.0
52.5°	331.3	329.4	321.9	314.3	311.8
55°	305.0	304.1	294.7	285.9	282.9
57.5°	279.1	277.9	266.2	256.1	253.4
60°	252.1	248.7	237.2	227.8	224.8
62.5°	226.4	219.1	206.7	199.4	196.0
65°	197.1	190.0	179.0	171.2	170.1
67.5°	168.3	159.8	151.3	146.5	142.8
70°	138.3	132.5	126.1	122.0	121.4
72.5°	110.3	106.2	103.0	100.5	98.4
75°	83.5	82.9	81.7	81.7	79.4
77.5°	61.4	63.0	63.9	63.6	64.1
80°	42.6	45.8	47.6	47.8	47.6
82.5°	27.0	30.7	33.7	34.1	34.6
85°	15.8	18.6	20.4	20.8	20.4
87.5°	7.1	8.9	9.4	9.8	9.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)