

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: P1050085

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-L930-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

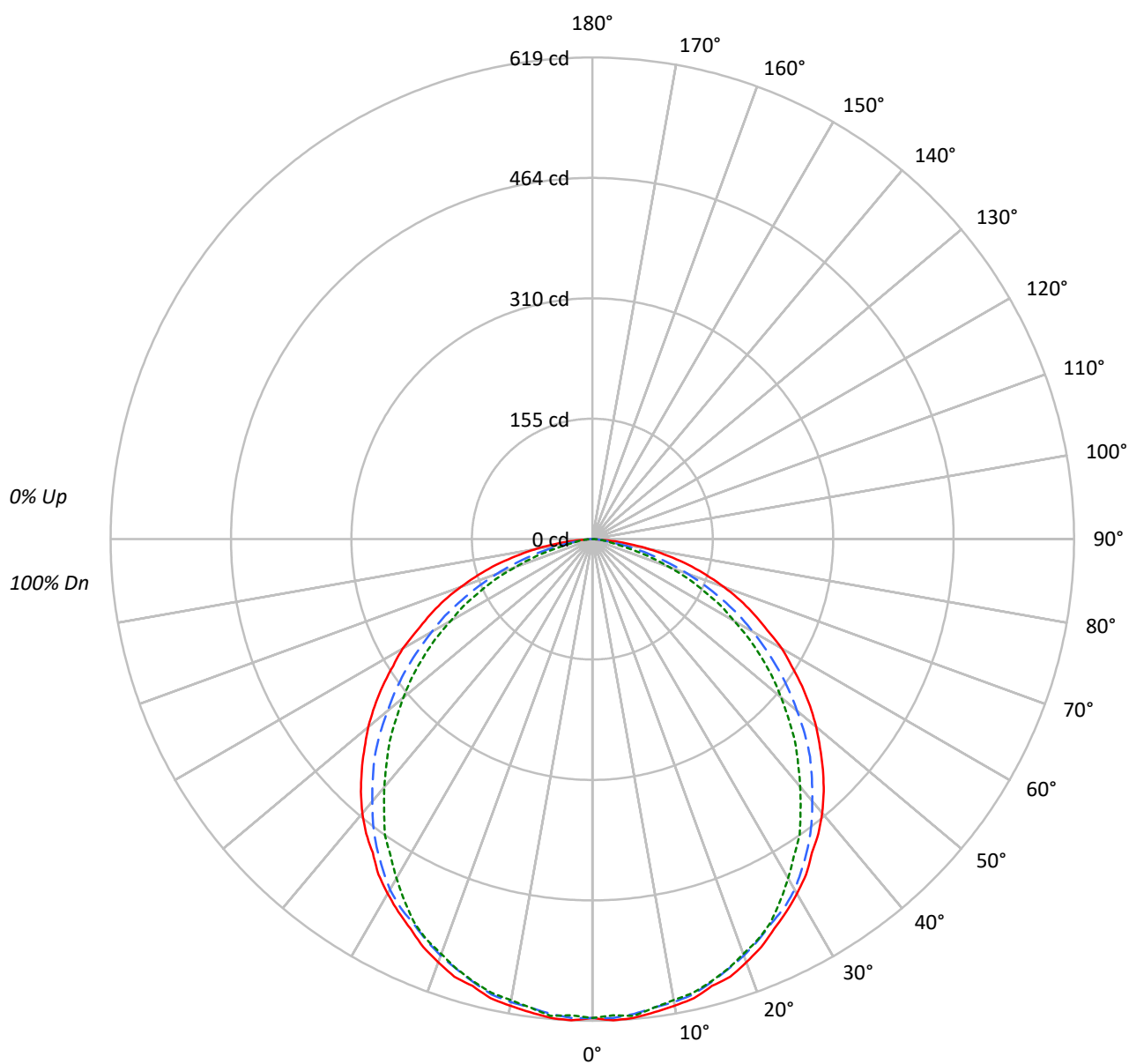
Lumens per Lamp: N/A
Luminaire Lumens: 1639.2 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1656	1656	1656
5°	1668	1655	1661
10°	1664	1650	1644
15°	1656	1643	1640
20°	1657	1631	1625
25°	1641	1617	1612
30°	1634	1616	1564
35°	1616	1587	1526
40°	1614	1545	1460
45°	1594	1505	1402
50°	1573	1438	1326
55°	1543	1370	1245
60°	1515	1282	1130
65°	1463	1176	1011
70°	1416	1024	825
75°	1330	808	568
80°	1153	488	341
85°	769	352	327

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1594 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	3.6
10°-20°	166.9	10.2
20°-30°	252.1	15.4
30°-40°	299.8	18.3
40°-50°	304.0	18.5
50°-60°	264.0	16.1
60°-70°	187.4	11.4
70°-80°	89.6	5.5
80°-90°	17.0	1.0
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°	477.4	29.1
0°-40°	777.2	47.4
0°-60°	1345.2	82.1
0°-90°	1639.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1639.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	615	615	615	615	615	
5°	618	615	612	614	615	59
15°	594	596	590	589	589	168
25°	553	552	545	547	543	255
35°	492	491	483	467	464	309
45°	419	415	396	375	368	323
55°	329	319	292	275	265	294
65°	230	213	185	165	159	228
75°	128	104	78	62	55	134
85°	25	13	11	11	11	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	615.4	615.4	615.4	615.4	615.4
2.5°	619.0	616.9	616.1	618.7	612.5
5°	617.6	615.4	612.5	613.9	615.0
7.5°	613.2	611.4	607.3	610.6	607.3
10°	608.8	607.0	604.0	605.1	601.5
12.5°	604.4	600.0	599.3	600.0	597.4
15°	594.5	596.0	589.7	589.0	588.6
17.5°	589.7	586.1	579.5	579.8	579.1
20°	578.7	574.3	569.6	568.8	567.4
22.5°	567.4	562.2	557.8	560.0	556.7
25°	552.7	552.0	544.6	546.8	542.8
27.5°	539.9	537.3	534.0	529.3	523.4
30°	526.0	523.4	520.1	507.6	503.2
32.5°	511.3	508.4	501.8	487.1	482.3
35°	491.9	491.1	483.1	466.6	464.4
37.5°	477.2	469.1	462.5	445.7	439.5
40°	459.6	455.2	439.8	423.7	415.6
42.5°	440.2	435.1	417.5	400.2	391.4
45°	418.9	415.3	395.5	374.6	368.4
47.5°	396.9	393.6	370.2	350.0	342.0
50°	375.7	371.6	343.4	324.0	316.7
52.5°	352.6	346.0	318.1	299.1	292.1
55°	328.8	318.9	292.1	274.9	265.4
57.5°	303.5	294.3	264.6	246.7	239.0
60°	281.5	268.7	238.2	219.9	210.0
62.5°	253.3	242.3	213.3	191.7	186.9
65°	229.8	212.6	184.7	164.9	158.7
67.5°	206.0	185.8	157.6	137.4	134.1
70°	180.0	159.1	130.1	110.3	104.8
72.5°	153.6	133.0	104.8	83.9	80.6
75°	127.9	104.5	77.7	61.6	54.6
77.5°	100.1	78.8	54.6	37.8	33.4
80°	74.4	53.1	31.5	22.4	22.0
82.5°	48.7	30.8	16.9	17.2	16.5
85°	24.9	13.2	11.4	11.0	10.6
87.5°	4.8	5.1	5.5	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)