

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: P1050238

Luminaire Tested: PTR-14-20-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050238
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-L940-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

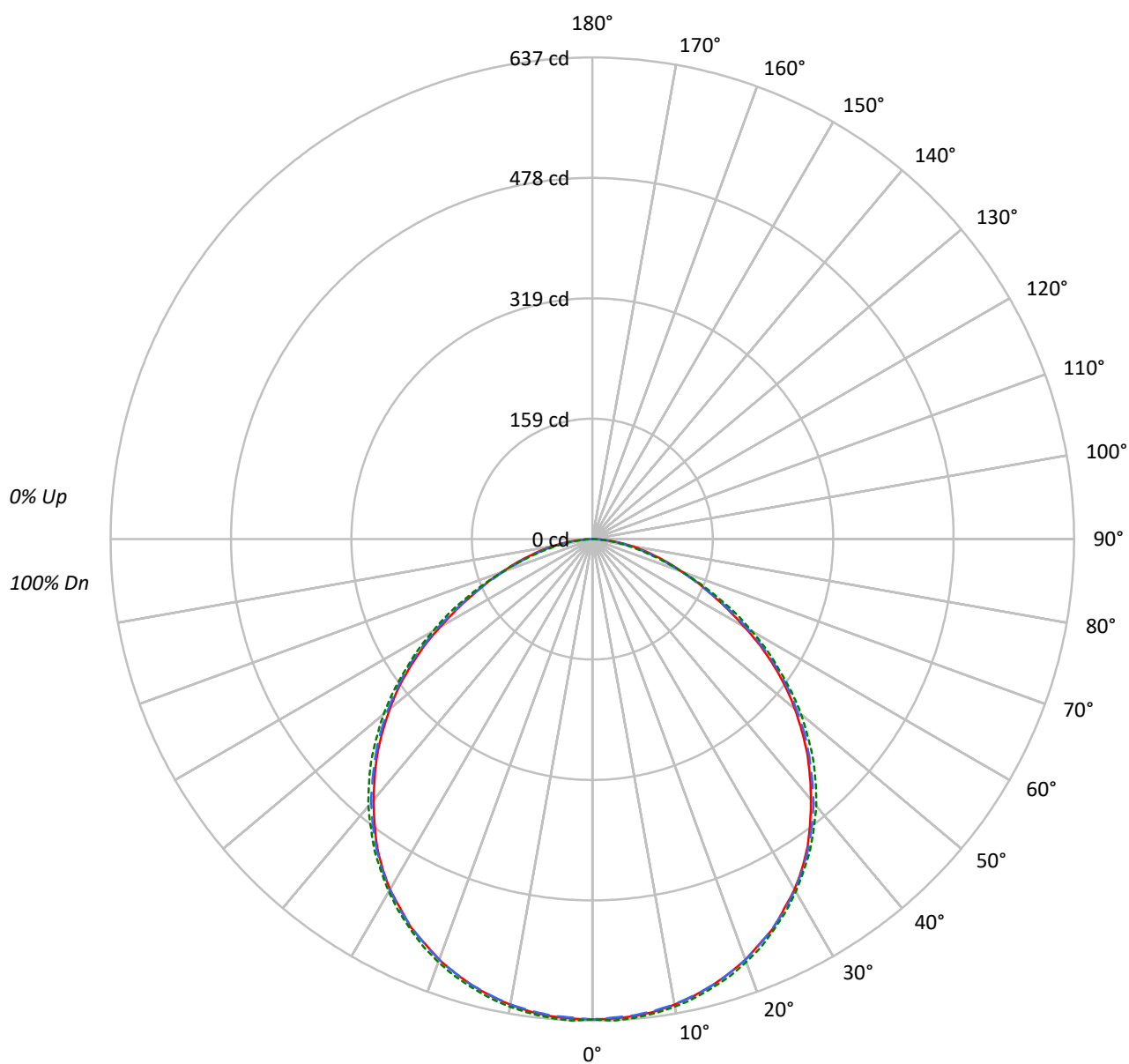
Lumens per Lamp: N/A
Luminaire Lumens: 1674.2 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1709	1709	1709
5°	1711	1707	1717
10°	1708	1707	1716
15°	1703	1702	1711
20°	1695	1695	1704
25°	1683	1681	1690
30°	1662	1664	1672
35°	1630	1637	1650
40°	1580	1598	1618
45°	1530	1543	1573
50°	1463	1479	1508
55°	1378	1400	1416
60°	1250	1277	1308
65°	1110	1122	1167
70°	992	972	996
75°	895	843	827
80°	814	755	671
85°	689	627	537

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1573 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	3.6
10°-20°	172.8	10.3
20°-30°	261.4	15.6
30°-40°	311.6	18.6
40°-50°	313.3	18.7
50°-60°	265.9	15.9
60°-70°	177.0	10.6
70°-80°	88.4	5.3
80°-90°	23.6	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°	494.4	29.5
0°-40°	806.0	48.1
0°-60°	1385.2	82.7
0°-90°	1674.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1674.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	633	633	632	635	636	60
15°	611	612	611	614	614	172
25°	567	567	566	569	569	261
35°	496	497	498	502	502	310
45°	402	403	406	411	413	309
55°	294	296	298	301	302	262
65°	174	176	176	179	183	175
75°	86	85	81	79	80	92
85°	22	22	20	19	17	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	635.2	635.2	635.2	635.2	635.2
2.5°	634.6	635.2	633.4	636.5	637.3
5°	633.3	633.4	632.1	634.9	635.6
7.5°	630.2	630.5	629.0	632.1	632.5
10°	625.2	625.7	624.6	627.4	628.1
12.5°	618.9	619.6	618.4	621.5	622.0
15°	611.4	612.1	611.1	613.7	614.2
17.5°	602.1	602.7	602.1	604.5	605.9
20°	591.8	591.8	591.8	593.9	595.1
22.5°	578.9	580.1	579.6	582.4	583.6
25°	566.9	566.9	566.1	568.8	569.2
27.5°	550.2	552.0	551.9	554.2	554.7
30°	534.9	535.4	535.6	537.2	538.2
32.5°	516.3	516.7	517.5	519.8	520.1
35°	496.3	496.8	498.2	501.7	502.2
37.5°	473.0	475.6	476.8	480.6	481.0
40°	449.7	451.3	454.9	458.8	460.7
42.5°	425.9	427.8	429.9	435.3	437.0
45°	402.1	402.8	405.5	410.9	413.3
47.5°	375.8	377.9	380.3	385.0	386.4
50°	349.5	351.8	353.2	357.4	360.2
52.5°	322.9	325.0	326.6	329.2	332.0
55°	293.7	295.8	298.4	301.2	301.9
57.5°	264.0	266.4	268.1	271.1	274.1
60°	232.2	234.9	237.2	240.0	243.1
62.5°	202.7	203.8	206.2	210.9	215.3
65°	174.4	175.8	176.2	178.9	183.3
67.5°	150.8	150.8	148.7	149.6	154.6
70°	126.1	125.2	123.6	122.6	126.6
72.5°	106.1	104.9	101.4	99.8	101.9
75°	86.1	84.9	81.1	79.3	79.5
77.5°	69.2	67.3	64.2	61.0	60.3
80°	52.5	51.7	48.7	45.7	43.3
82.5°	37.2	35.6	33.9	32.0	30.1
85°	22.3	21.9	20.3	19.1	17.4
87.5°	9.1	9.1	8.7	8.2	7.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)