

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: P1050359

Luminaire Tested: PTR-14-50-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PP3-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

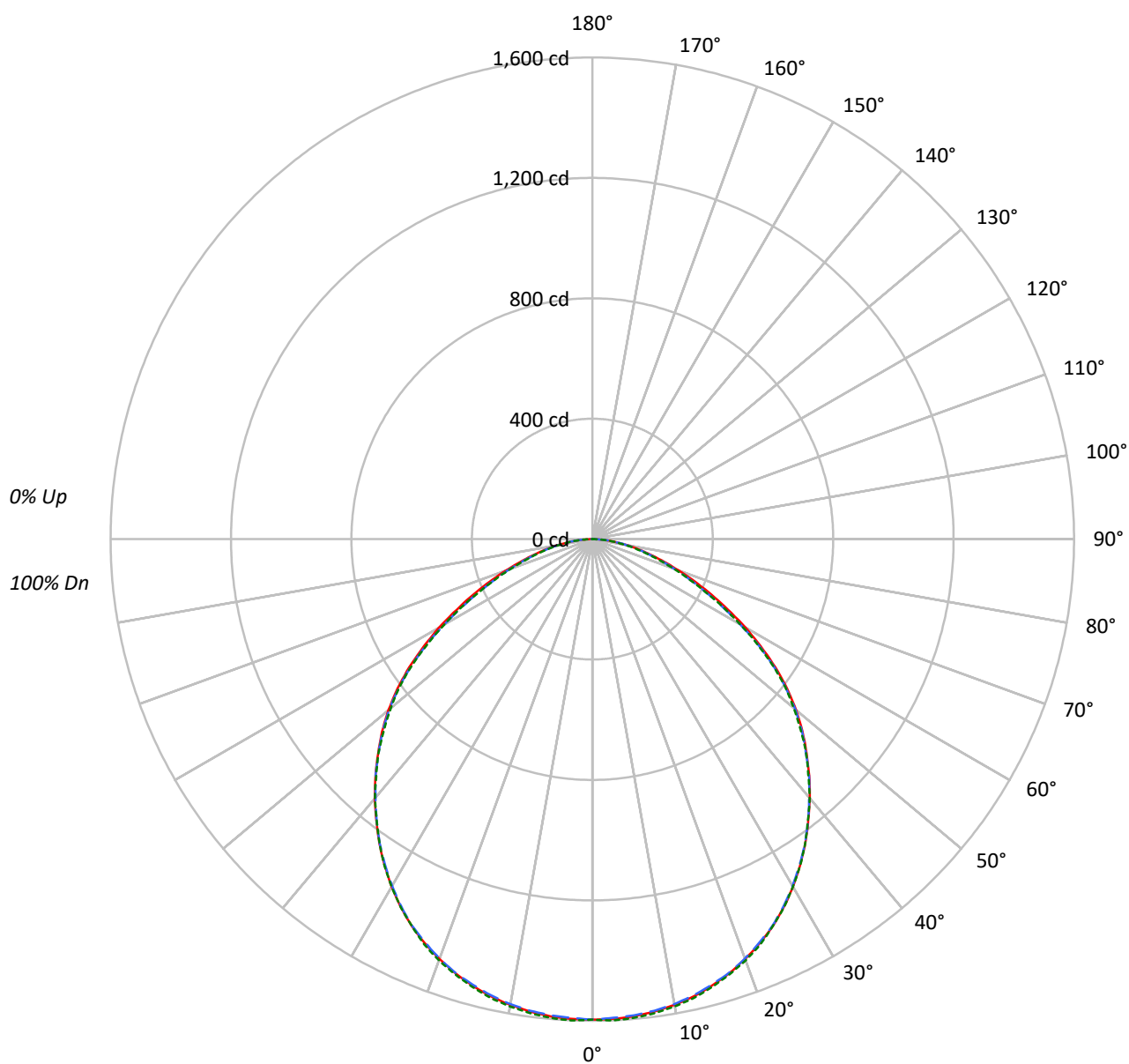
Lumens per Lamp: N/A
Luminaire Lumens: 4123.4 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4295	4295	4295
5°	4299	4289	4312
10°	4292	4286	4307
15°	4278	4270	4289
20°	4250	4247	4265
25°	4212	4205	4210
30°	4141	4133	4141
35°	4051	4046	4049
40°	3948	3935	3945
45°	3829	3818	3822
50°	3701	3683	3657
55°	3484	3444	3432
60°	3162	3055	3061
65°	2777	2637	2634
70°	2401	2292	2265
75°	2076	2000	1957
80°	1839	1813	1733
85°	1522	1572	1482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3843 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.3	3.7
10°-20°	433.6	10.5
20°-30°	652.8	15.8
30°-40°	770.4	18.7
40°-50°	774.8	18.8
50°-60°	654.1	15.9
60°-70°	420.1	10.2
70°-80°	208.9	5.1
80°-90°	57.3	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°	1237.7	30.0
0°-40°	2008.1	48.7
0°-60°	3437.1	83.4
0°-90°	4123.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4123.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1596	1596	1596	1596	1596	
5°	1591	1592	1588	1595	1596	151
15°	1536	1536	1533	1540	1540	433
25°	1419	1419	1416	1419	1418	653
35°	1233	1234	1232	1233	1233	771
45°	1006	1010	1003	1004	1004	776
55°	743	742	734	731	732	661
65°	436	430	414	410	414	435
75°	200	199	192	190	188	216
85°	49	51	51	48	48	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1595.9	1595.9	1595.9	1595.9	1595.9
2.5°	1595.3	1595.9	1591.7	1599.3	1600.5
5°	1591.3	1591.7	1587.7	1595.3	1596.3
7.5°	1583.0	1583.7	1580.1	1587.0	1588.3
10°	1570.8	1572.7	1568.5	1575.0	1576.1
12.5°	1555.9	1556.5	1552.3	1559.9	1561.2
15°	1535.7	1536.1	1532.7	1539.7	1539.7
17.5°	1512.3	1513.0	1510.6	1516.5	1515.9
20°	1484.1	1485.8	1482.9	1486.9	1489.2
22.5°	1453.4	1454.0	1450.4	1455.7	1458.0
25°	1418.7	1419.1	1416.3	1419.1	1418.0
27.5°	1378.0	1379.1	1375.1	1378.0	1378.7
30°	1332.8	1335.7	1330.0	1332.4	1332.8
32.5°	1284.2	1285.8	1281.8	1282.5	1285.4
35°	1233.2	1233.9	1231.5	1232.6	1232.6
37.5°	1178.3	1180.6	1177.0	1178.7	1176.4
40°	1123.8	1121.5	1120.2	1121.5	1123.1
42.5°	1066.3	1066.9	1065.3	1064.0	1061.3
45°	1006.1	1009.7	1003.2	1004.4	1004.4
47.5°	947.2	947.6	944.2	940.7	938.3
50°	884.0	884.0	879.8	877.1	873.5
52.5°	815.0	813.9	809.3	806.4	808.0
55°	742.6	742.0	734.0	731.0	731.6
57.5°	663.2	664.5	652.3	649.3	649.3
60°	587.5	581.6	567.7	563.7	568.7
62.5°	507.9	501.0	486.0	486.0	490.0
65°	436.1	429.8	414.2	410.0	413.6
67.5°	369.0	363.1	348.8	346.5	347.5
70°	305.2	300.1	291.3	286.0	287.9
72.5°	250.3	245.6	239.7	235.7	233.4
75°	199.7	198.7	192.4	190.5	188.2
77.5°	158.1	157.7	152.4	150.1	147.8
80°	118.7	118.1	117.0	113.5	111.8
82.5°	84.6	84.6	84.0	81.0	79.4
85°	49.3	50.9	50.9	48.0	48.0
87.5°	19.8	20.8	19.8	19.8	19.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)