

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: P1050114

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050114
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-14-50-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

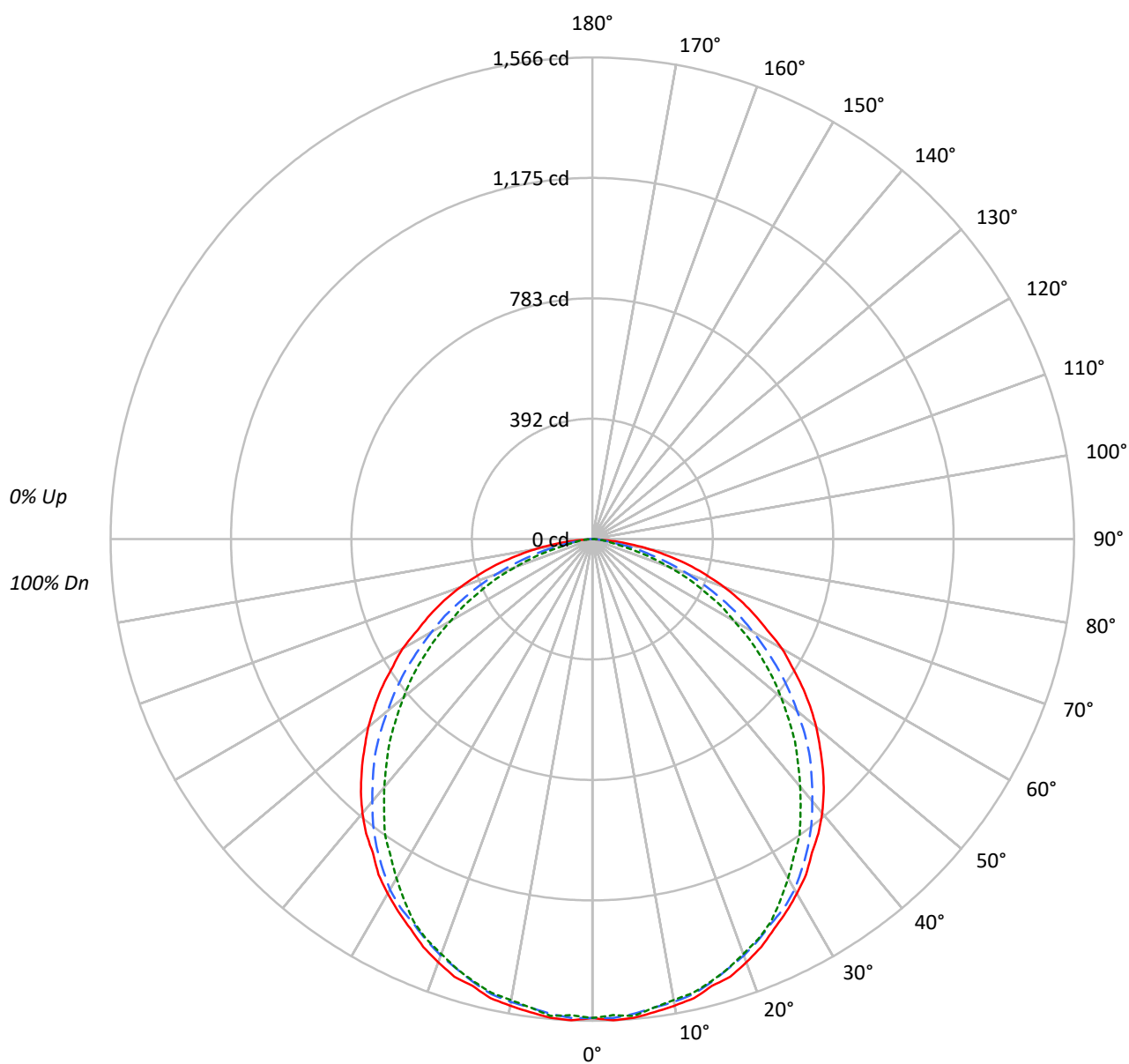
Lumens per Lamp: N/A
Luminaire Lumens: 4146.2 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4189	4189	4189
5°	4220	4185	4202
10°	4208	4175	4157
15°	4189	4156	4148
20°	4192	4126	4110
25°	4151	4091	4077
30°	4134	4088	3955
35°	4087	4014	3859
40°	4084	3908	3693
45°	4033	3807	3546
50°	3978	3637	3353
55°	3902	3467	3149
60°	3832	3243	2859
65°	3701	2975	2556
70°	3581	2589	2086
75°	3365	2043	1436
80°	2916	1235	862
85°	1945	886	831

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4033 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	3.6
10°-20°	422.2	10.2
20°-30°	637.8	15.4
30°-40°	758.3	18.3
40°-50°	769.1	18.5
50°-60°	667.8	16.1
60°-70°	474.1	11.4
70°-80°	226.5	5.5
80°-90°	42.9	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°	1207.5	29.1
0°-40°	1965.8	47.4
0°-60°	3402.7	82.1
0°-90°	4146.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4146.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1557	1557	1557	1557	1557	
5°	1562	1557	1549	1553	1556	148
15°	1504	1507	1492	1490	1489	426
25°	1398	1396	1378	1383	1373	646
35°	1244	1242	1222	1180	1175	782
45°	1060	1050	1000	948	932	817
55°	832	807	739	695	671	743
65°	581	538	467	417	401	576
75°	324	264	196	156	138	339
85°	63	33	29	28	27	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1556.6	1556.6	1556.6	1556.6	1556.6
2.5°	1565.9	1560.3	1558.4	1564.9	1549.2
5°	1562.1	1556.6	1549.2	1552.9	1555.7
7.5°	1551.0	1546.4	1536.2	1544.5	1536.2
10°	1539.9	1535.3	1527.8	1530.6	1521.4
12.5°	1528.8	1517.6	1515.8	1517.6	1511.2
15°	1503.7	1507.4	1491.7	1489.8	1488.9
17.5°	1491.7	1482.4	1465.7	1466.7	1464.8
20°	1463.9	1452.7	1440.7	1438.8	1435.1
22.5°	1435.1	1422.2	1411.0	1416.6	1408.2
25°	1398.0	1396.2	1377.7	1383.2	1373.0
27.5°	1365.6	1359.1	1350.8	1338.7	1323.9
30°	1330.4	1323.9	1315.5	1284.0	1272.9
32.5°	1293.3	1285.9	1269.2	1232.1	1220.0
35°	1244.2	1242.3	1221.9	1180.2	1174.6
37.5°	1207.1	1186.7	1170.0	1127.3	1111.6
40°	1162.6	1151.4	1112.5	1071.7	1051.3
42.5°	1113.4	1100.5	1056.0	1012.4	990.1
45°	1059.7	1050.4	1000.3	947.5	931.7
47.5°	1004.0	995.7	936.4	885.4	865.0
50°	950.3	940.1	868.7	819.5	801.0
52.5°	891.9	875.2	804.7	756.5	738.9
55°	831.6	806.6	738.9	695.3	671.2
57.5°	767.6	744.5	669.4	623.9	604.5
60°	712.0	679.6	602.6	556.3	531.2
62.5°	640.6	612.8	539.6	484.9	472.8
65°	581.3	537.7	467.3	417.2	401.4
67.5°	521.0	470.0	398.6	347.7	339.3
70°	455.2	402.4	329.1	279.1	265.1
72.5°	388.4	336.5	265.1	212.3	204.0
75°	323.6	264.2	196.5	155.8	138.1
77.5°	253.1	199.3	138.1	95.5	84.4
80°	188.2	134.4	79.7	56.6	55.6
82.5°	123.3	77.9	42.6	43.6	41.7
85°	63.0	33.4	28.7	27.8	26.9
87.5°	12.1	13.0	13.9	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)