

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: P1050308

Luminaire Tested: PTR-14-50-PLG-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PLG-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

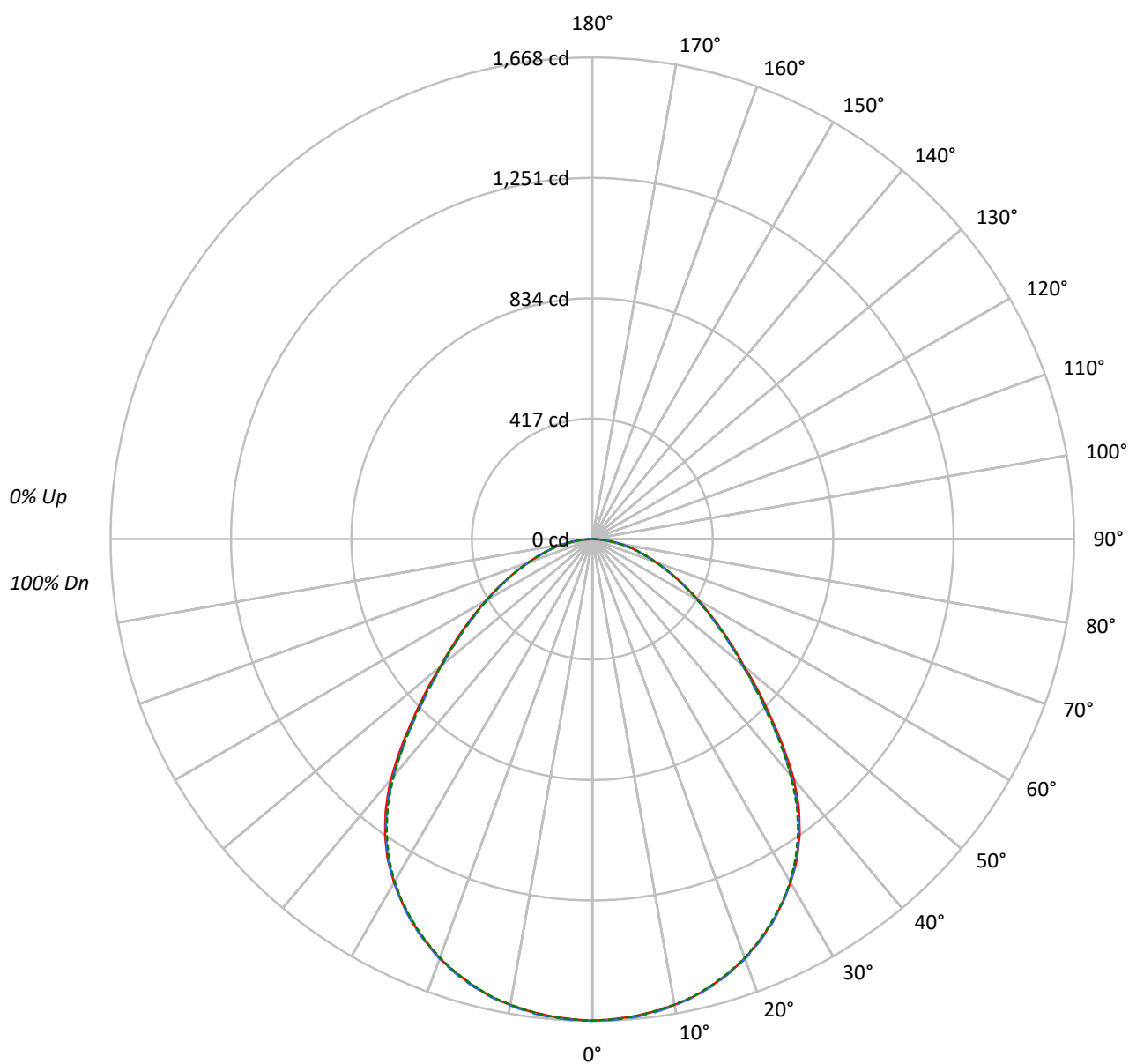
Lumens per Lamp: N/A
Luminaire Lumens: 3757.8 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4488	4488	4488
5°	4479	4489	4482
10°	4476	4479	4473
15°	4458	4465	4455
20°	4423	4430	4416
25°	4361	4365	4351
30°	4266	4266	4255
35°	4110	4098	4079
40°	3809	3767	3755
45°	3329	3275	3288
50°	2874	2839	2854
55°	2555	2516	2521
60°	2287	2255	2255
65°	2050	2035	2043
70°	1844	1825	1844
75°	1710	1686	1710
80°	1596	1578	1522
85°	1352	1352	1207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3329 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	4.2
10°-20°	451.8	12.0
20°-30°	676.0	18.0
30°-40°	774.5	20.6
40°-50°	669.9	17.8
50°-60°	484.8	12.9
60°-70°	319.3	8.5
70°-80°	173.8	4.6
80°-90°	49.8	1.3
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°	1285.7	34.2
0°-40°	2060.2	54.8
0°-60°	3214.9	85.6
0°-90°	3757.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3757.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1668	1668	1668	1668	1668	
5°	1658	1662	1662	1662	1659	158
15°	1600	1601	1603	1605	1599	451
25°	1469	1469	1470	1471	1465	676
35°	1251	1250	1248	1246	1242	777
45°	875	872	860	859	864	677
55°	544	542	536	533	537	490
65°	322	324	320	317	321	321
75°	164	164	162	162	164	175
85°	44	44	44	45	39	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1667.7	1667.7	1667.7	1667.7	1667.7
2.5°	1664.1	1667.7	1666.5	1667.7	1664.1
5°	1658.2	1661.8	1661.8	1661.8	1659.4
7.5°	1649.9	1652.3	1653.5	1654.7	1648.8
10°	1638.1	1640.5	1639.3	1641.7	1636.9
12.5°	1622.7	1622.7	1623.9	1626.3	1621.5
15°	1600.2	1601.4	1602.6	1605.0	1599.0
17.5°	1574.2	1575.4	1576.6	1577.7	1573.0
20°	1544.6	1544.6	1547.0	1548.2	1542.2
22.5°	1507.9	1507.9	1510.3	1513.8	1506.7
25°	1468.9	1468.9	1470.0	1471.2	1465.3
27.5°	1422.7	1422.7	1423.9	1427.4	1420.3
30°	1373.0	1371.8	1373.0	1374.2	1369.4
32.5°	1317.3	1316.2	1315.0	1316.2	1310.2
35°	1251.1	1249.9	1247.5	1246.3	1241.6
37.5°	1174.1	1171.8	1167.0	1167.0	1162.3
40°	1084.2	1078.3	1072.3	1070.0	1068.8
42.5°	980.0	975.3	967.0	965.8	965.8
45°	874.7	872.3	860.5	859.3	864.0
47.5°	780.0	774.1	763.4	761.1	768.2
50°	686.5	687.7	678.2	674.7	681.8
52.5°	613.1	610.7	602.5	600.1	606.0
55°	544.5	542.1	536.2	532.6	537.4
57.5°	481.7	480.5	474.6	473.4	475.8
60°	424.9	423.7	419.0	417.8	419.0
62.5°	371.7	371.7	366.9	364.5	368.1
65°	321.9	324.3	319.6	317.2	320.8
67.5°	277.0	279.3	274.6	272.2	277.0
70°	234.4	236.7	232.0	229.6	234.4
72.5°	197.7	198.8	195.3	194.1	200.0
75°	164.5	164.5	162.2	162.2	164.5
77.5°	133.7	132.6	131.4	131.4	129.0
80°	103.0	101.8	101.8	101.8	98.2
82.5°	73.4	71.0	72.2	73.4	67.5
85°	43.8	43.8	43.8	45.0	39.1
87.5°	17.8	17.8	16.6	17.8	15.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)