

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: P1050112

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050112
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-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

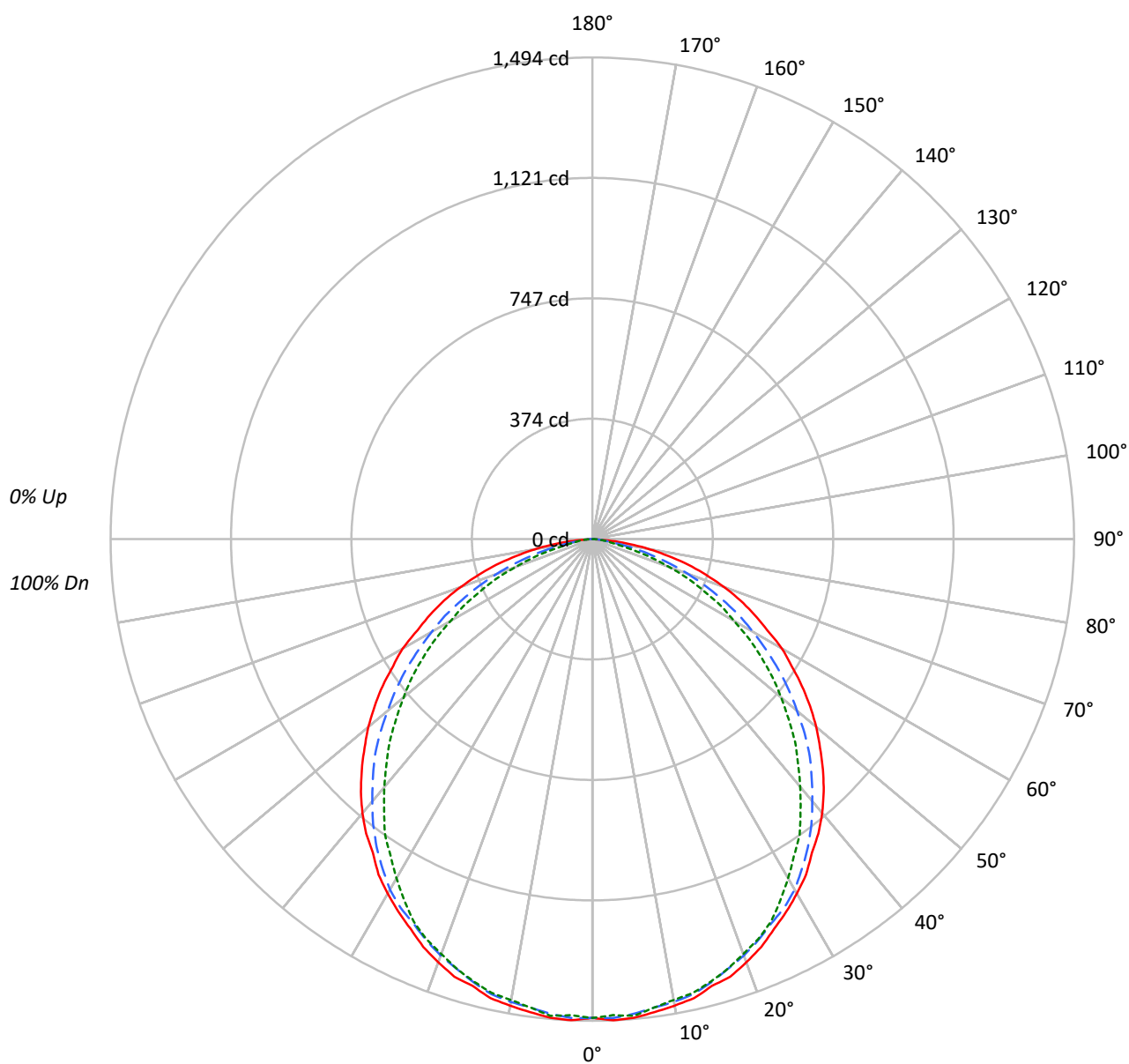
Lumens per Lamp: N/A
Luminaire Lumens: 3955.6 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3996	3996	3996
5°	4026	3992	4009
10°	4014	3983	3966
15°	3997	3965	3957
20°	3999	3936	3921
25°	3960	3902	3889
30°	3944	3900	3773
35°	3899	3829	3681
40°	3896	3729	3523
45°	3847	3632	3383
50°	3795	3469	3199
55°	3722	3307	3004
60°	3656	3094	2728
65°	3531	2839	2439
70°	3417	2471	1991
75°	3210	1949	1370
80°	2782	1179	823
85°	1856	846	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3847 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	3.6
10°-20°	402.8	10.2
20°-30°	608.4	15.4
30°-40°	723.4	18.3
40°-50°	733.7	18.5
50°-60°	637.1	16.1
60°-70°	452.3	11.4
70°-80°	216.1	5.5
80°-90°	41.0	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°	1152.0	29.1
0°-40°	1875.4	47.4
0°-60°	3246.2	82.1
0°-90°	3955.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3955.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1485	1485	1485	1485	1485	
5°	1490	1485	1478	1482	1484	141
15°	1435	1438	1423	1421	1420	406
25°	1334	1332	1314	1320	1310	616
35°	1187	1185	1166	1126	1121	746
45°	1011	1002	954	904	889	780
55°	793	770	705	663	640	709
65°	555	513	446	398	383	549
75°	309	252	188	149	132	324
85°	60	32	27	26	26	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1485.0	1485.0	1485.0	1485.0	1485.0
2.5°	1493.9	1488.6	1486.8	1493.0	1477.9
5°	1490.3	1485.0	1477.9	1481.5	1484.1
7.5°	1479.7	1475.3	1465.6	1473.5	1465.6
10°	1469.1	1464.7	1457.6	1460.2	1451.4
12.5°	1458.5	1447.9	1446.1	1447.9	1441.7
15°	1434.6	1438.1	1423.1	1421.3	1420.4
17.5°	1423.1	1414.3	1398.3	1399.2	1397.5
20°	1396.6	1386.0	1374.5	1372.7	1369.1
22.5°	1369.1	1356.8	1346.2	1351.5	1343.5
25°	1333.8	1332.0	1314.3	1319.6	1309.9
27.5°	1302.8	1296.6	1288.7	1277.2	1263.0
30°	1269.2	1263.0	1255.1	1225.0	1214.4
32.5°	1233.8	1226.8	1210.8	1175.5	1164.0
35°	1186.9	1185.2	1165.7	1125.9	1120.6
37.5°	1151.6	1132.1	1116.2	1075.5	1060.5
40°	1109.1	1098.5	1061.4	1022.4	1003.0
42.5°	1062.2	1049.9	1007.4	965.8	944.6
45°	1010.9	1002.1	954.3	903.9	888.9
47.5°	957.9	949.9	893.3	844.7	825.2
50°	906.6	896.8	828.7	781.9	764.2
52.5°	850.9	834.9	767.7	721.7	704.9
55°	793.4	769.5	704.9	663.3	640.4
57.5°	732.3	710.2	638.6	595.2	576.7
60°	679.3	648.3	574.9	530.7	506.8
62.5°	611.2	584.6	514.8	462.6	451.1
65°	554.6	513.0	445.8	398.0	383.0
67.5°	497.1	448.4	380.3	331.7	323.7
70°	434.3	383.9	314.0	266.2	253.0
72.5°	370.6	321.1	253.0	202.5	194.6
75°	308.7	252.1	187.5	148.6	131.8
77.5°	241.5	190.2	131.8	91.1	80.5
80°	179.5	128.2	76.1	54.0	53.1
82.5°	117.6	74.3	40.7	41.6	39.8
85°	60.1	31.8	27.4	26.5	25.6
87.5°	11.5	12.4	13.3	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)