

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: P1050358

Luminaire Tested: PTR-14-50-PP3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050358
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-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

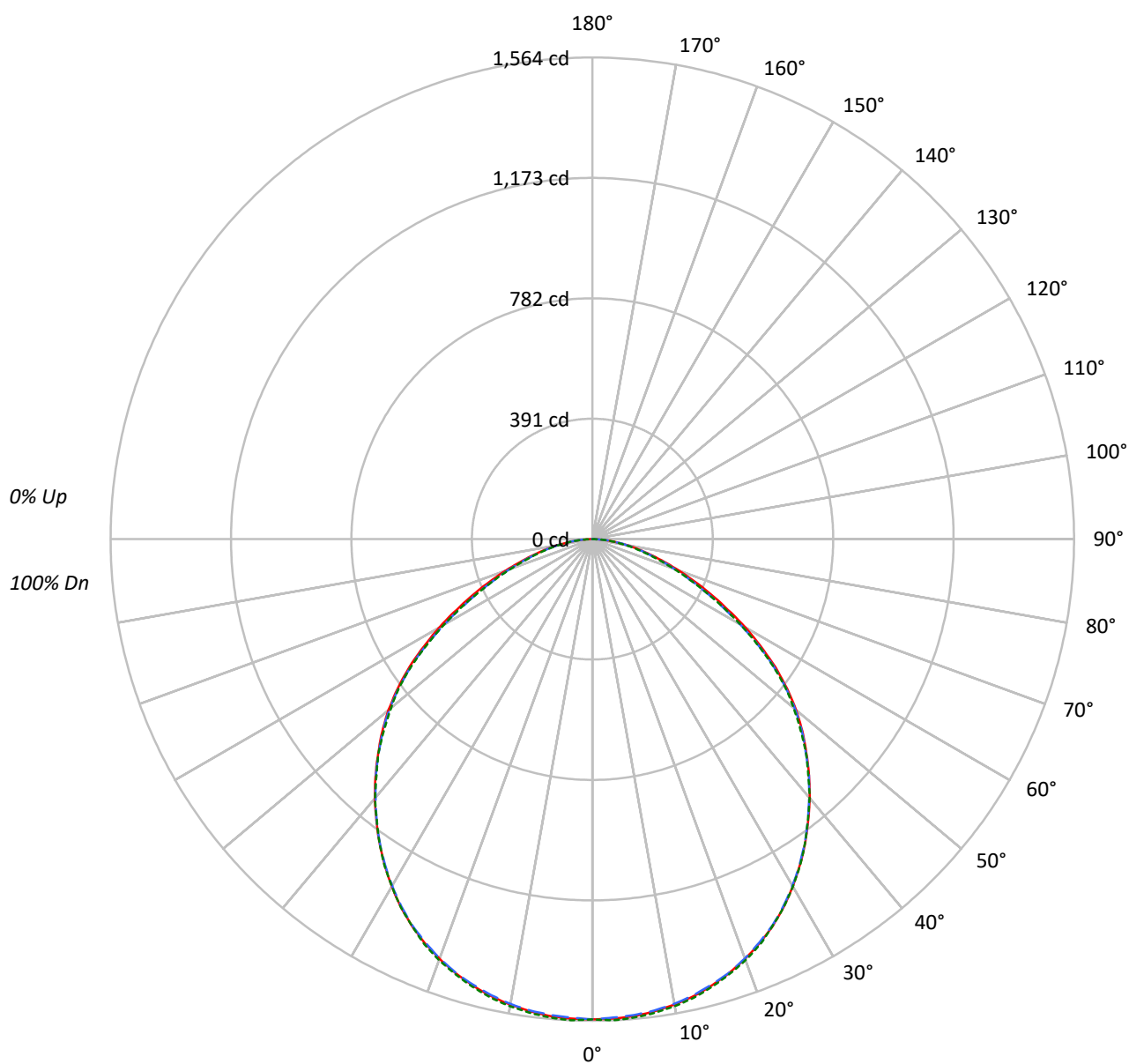
Lumens per Lamp: N/A
Luminaire Lumens: 4028.6 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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		100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4196	4196	4196
5°	4200	4190	4213
10°	4194	4188	4208
15°	4180	4172	4191
20°	4152	4149	4166
25°	4115	4109	4113
30°	4046	4038	4046
35°	3958	3953	3956
40°	3857	3844	3855
45°	3741	3730	3734
50°	3616	3599	3573
55°	3404	3364	3354
60°	3089	2985	2991
65°	2713	2577	2573
70°	2346	2239	2213
75°	2030	1955	1911
80°	1798	1771	1692
85°	1485	1538	1448

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3754 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	3.7
10°-20°	423.6	10.5
20°-30°	637.8	15.8
30°-40°	752.7	18.7
40°-50°	757.0	18.8
50°-60°	639.1	15.9
60°-70°	410.4	10.2
70°-80°	204.1	5.1
80°-90°	55.9	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°	1209.2	30.0
0°-40°	1962.0	48.7
0°-60°	3358.1	83.4
0°-90°	4028.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4028.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1559	1559	1559	1559	1559	
5°	1555	1555	1551	1559	1560	148
15°	1500	1501	1498	1504	1504	423
25°	1386	1386	1384	1386	1385	638
35°	1205	1206	1203	1204	1204	753
45°	983	986	980	981	981	759
55°	726	725	717	714	715	645
65°	426	420	405	401	404	425
75°	195	194	188	186	184	211
85°	48	50	50	47	47	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1559.2	1559.2	1559.2	1559.2	1559.2
2.5°	1558.6	1559.2	1555.1	1562.5	1563.7
5°	1554.7	1555.1	1551.2	1558.6	1559.6
7.5°	1546.7	1547.3	1543.8	1550.6	1551.8
10°	1534.7	1536.6	1532.5	1538.8	1539.9
12.5°	1520.1	1520.7	1516.6	1524.0	1525.3
15°	1500.4	1500.8	1497.5	1504.3	1504.3
17.5°	1477.6	1478.2	1475.9	1481.7	1481.1
20°	1450.0	1451.6	1448.8	1452.7	1454.9
22.5°	1420.0	1420.6	1417.1	1422.2	1424.5
25°	1386.0	1386.5	1383.8	1386.5	1385.4
27.5°	1346.4	1347.4	1343.5	1346.4	1347.0
30°	1302.1	1305.0	1299.5	1301.7	1302.1
32.5°	1254.6	1256.3	1252.4	1253.0	1255.9
35°	1204.9	1205.5	1203.2	1204.3	1204.3
37.5°	1151.2	1153.5	1150.0	1151.6	1149.4
40°	1097.9	1095.7	1094.4	1095.7	1097.3
42.5°	1041.8	1042.4	1040.8	1039.5	1036.9
45°	983.0	986.5	980.1	981.3	981.3
47.5°	925.4	925.8	922.5	919.0	916.8
50°	863.7	863.7	859.6	856.9	853.4
52.5°	796.3	795.2	790.7	787.8	789.5
55°	725.5	724.9	717.1	714.2	714.8
57.5°	648.0	649.2	637.3	634.4	634.4
60°	574.0	568.2	554.6	550.7	555.7
62.5°	496.2	489.4	474.8	474.8	478.7
65°	426.1	419.9	404.7	400.6	404.1
67.5°	360.5	354.7	340.8	338.5	339.5
70°	298.2	293.2	284.6	279.5	281.3
72.5°	244.5	240.0	234.2	230.3	228.1
75°	195.2	194.1	188.0	186.1	183.8
77.5°	154.4	154.0	148.9	146.6	144.4
80°	116.0	115.4	114.3	110.8	109.2
82.5°	82.7	82.7	82.1	79.2	77.5
85°	48.1	49.8	49.8	46.9	46.9
87.5°	19.3	20.4	19.3	19.3	18.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)