

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: P1050499

Luminaire Tested: 24PTR-30-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050499
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: 24PTR-30-L850-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

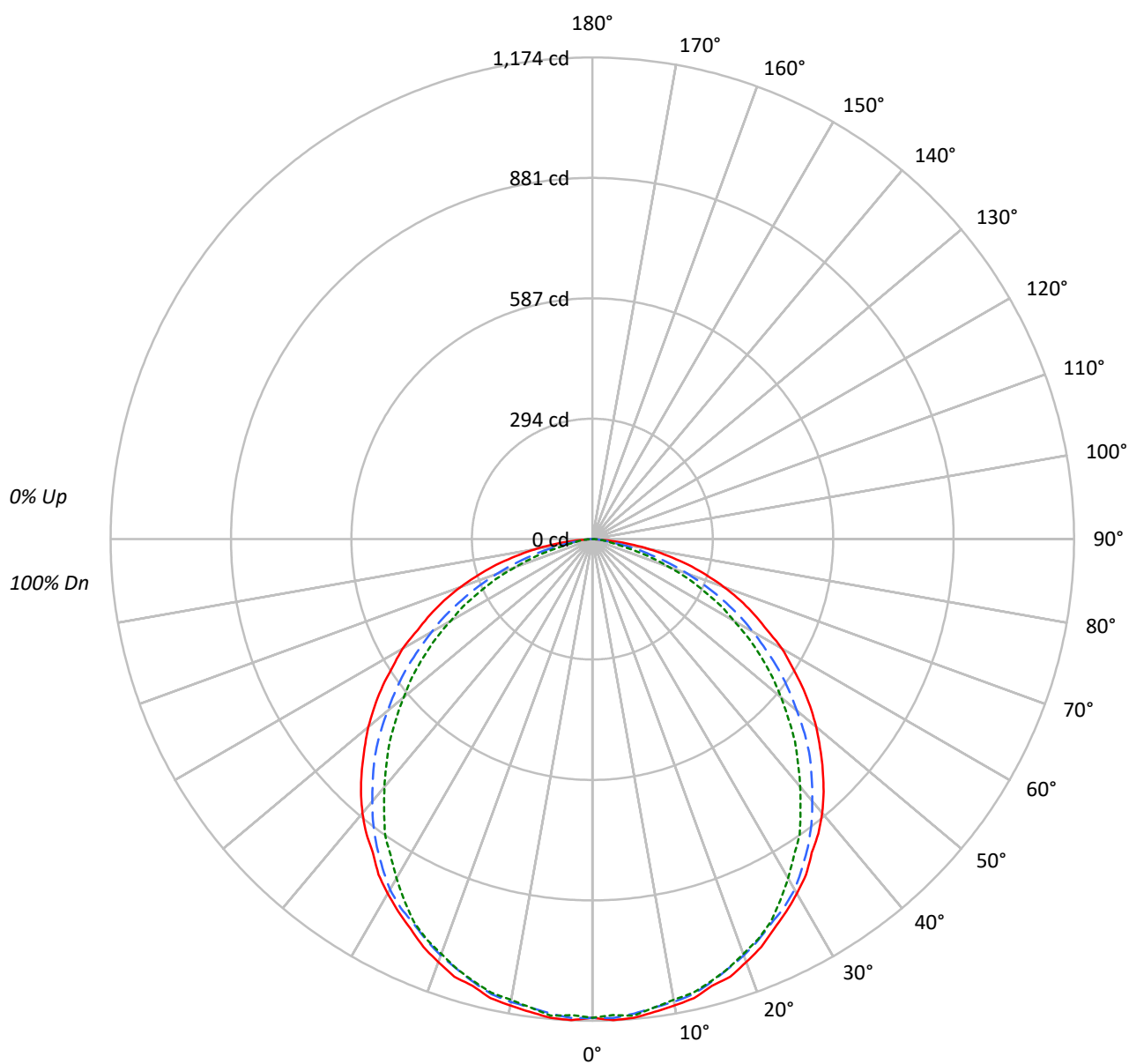
Lumens per Lamp: N/A
Luminaire Lumens: 3107.7 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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°	1570	1570	1570
5°	1581	1568	1575
10°	1577	1565	1558
15°	1570	1557	1555
20°	1571	1546	1540
25°	1556	1533	1528
30°	1549	1532	1482
35°	1532	1504	1446
40°	1531	1465	1384
45°	1511	1427	1329
50°	1491	1363	1257
55°	1462	1299	1180
60°	1436	1216	1072
65°	1387	1115	958
70°	1342	971	782
75°	1261	766	538
80°	1093	463	323
85°	730	332	312

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1511 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	3.6
10°-20°	316.5	10.2
20°-30°	478.0	15.4
30°-40°	568.4	18.3
40°-50°	576.4	18.5
50°-60°	500.5	16.1
60°-70°	355.3	11.4
70°-80°	169.8	5.5
80°-90°	32.2	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°	905.1	29.1
0°-40°	1473.4	47.4
0°-60°	2550.4	82.1
0°-90°	3107.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3107.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1167	1167	1167	1167	1167	
5°	1171	1167	1161	1164	1166	111
15°	1127	1130	1118	1117	1116	319
25°	1048	1046	1033	1037	1029	484
35°	932	931	916	885	880	586
45°	794	787	750	710	698	613
55°	623	604	554	521	503	557
65°	436	403	350	313	301	432
75°	242	198	147	117	104	254
85°	47	25	22	21	20	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1166.7	1166.7	1166.7	1166.7	1166.7
2.5°	1173.6	1169.5	1168.1	1173.0	1161.1
5°	1170.9	1166.7	1161.1	1163.9	1166.0
7.5°	1162.5	1159.1	1151.4	1157.7	1151.4
10°	1154.2	1150.7	1145.2	1147.2	1140.3
12.5°	1145.9	1137.5	1136.1	1137.5	1132.7
15°	1127.1	1129.9	1118.1	1116.7	1116.0
17.5°	1118.1	1111.1	1098.6	1099.3	1097.9
20°	1097.2	1088.9	1079.8	1078.5	1075.7
22.5°	1075.7	1065.9	1057.6	1061.8	1055.5
25°	1047.9	1046.5	1032.6	1036.8	1029.1
27.5°	1023.6	1018.7	1012.4	1003.4	992.3
30°	997.2	992.3	986.0	962.4	954.1
32.5°	969.4	963.8	951.3	923.5	914.5
35°	932.5	931.1	915.8	884.6	880.4
37.5°	904.7	889.4	876.9	845.0	833.2
40°	871.4	863.0	833.9	803.3	788.0
42.5°	834.5	824.8	791.5	758.8	742.1
45°	794.2	787.3	749.8	710.2	698.4
47.5°	752.6	746.3	701.8	663.6	648.3
50°	712.3	704.6	651.1	614.3	600.4
52.5°	668.5	656.0	603.2	567.0	553.8
55°	623.3	604.5	553.8	521.2	503.1
57.5°	575.4	558.0	501.7	467.7	453.1
60°	533.7	509.3	451.7	416.9	398.2
62.5°	480.2	459.3	404.4	363.4	354.4
65°	435.7	403.0	350.2	312.7	300.9
67.5°	390.5	352.3	298.8	260.6	254.3
70°	341.2	301.6	246.7	209.2	198.7
72.5°	291.2	252.2	198.7	159.1	152.9
75°	242.5	198.0	147.3	116.7	103.5
77.5°	189.7	149.4	103.5	71.6	63.2
80°	141.1	100.8	59.8	42.4	41.7
82.5°	92.4	58.4	32.0	32.7	31.3
85°	47.3	25.0	21.5	20.8	20.2
87.5°	9.0	9.7	10.4	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)