

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: P1050840

Luminaire Tested: 24PTR-30-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050840
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: 24PTR-30-PLG-L940-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

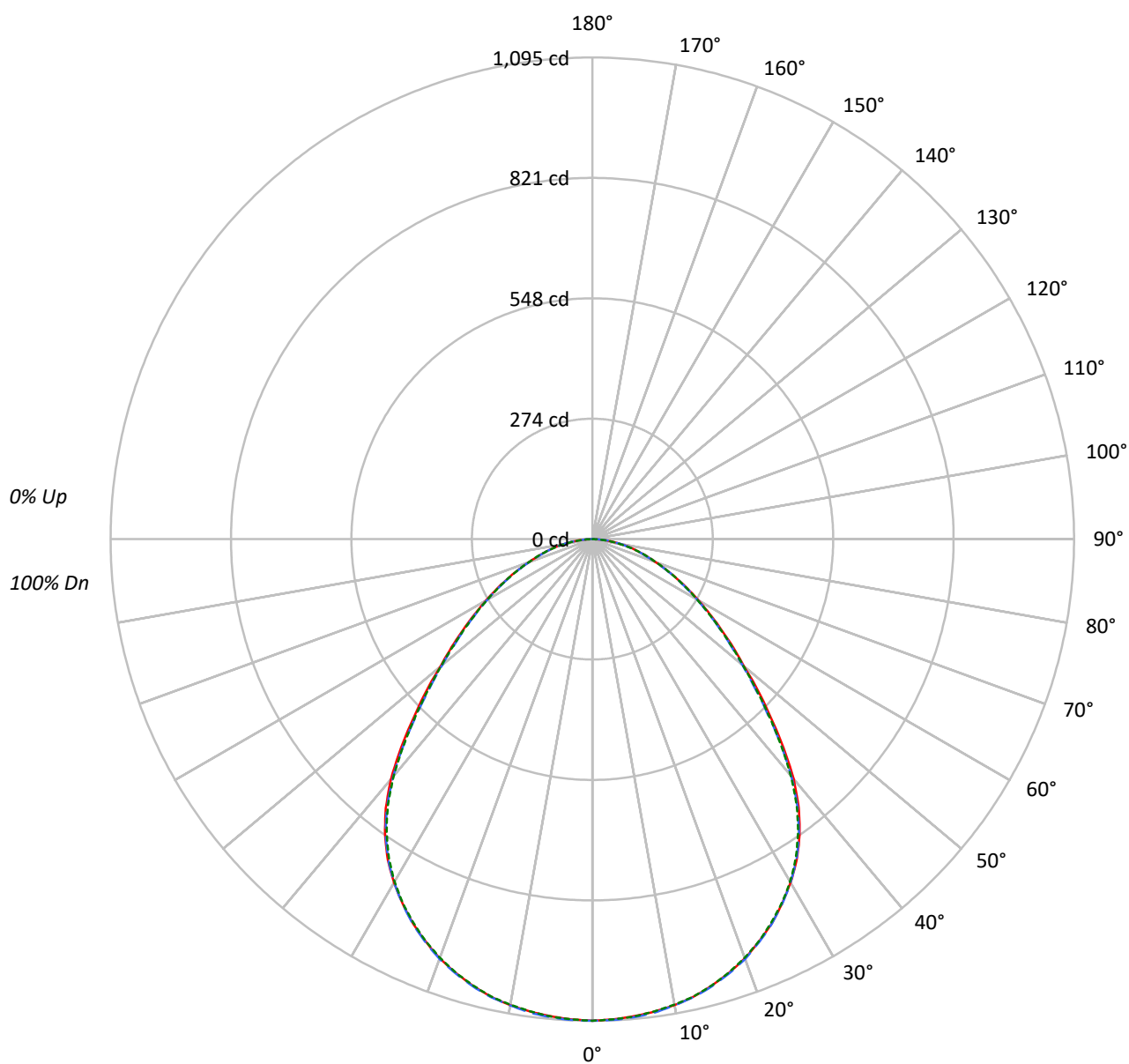
Lumens per Lamp: N/A
Luminaire Lumens: 2467.3 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1473	1473	1473
5°	1471	1474	1472
10°	1470	1470	1468
15°	1464	1466	1462
20°	1452	1454	1450
25°	1432	1433	1428
30°	1401	1401	1397
35°	1349	1345	1339
40°	1250	1237	1233
45°	1093	1075	1079
50°	943	932	937
55°	839	826	828
60°	751	740	740
65°	673	668	670
70°	605	599	605
75°	561	554	561
80°	524	518	500
85°	445	445	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1093 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.7	4.2
10°-20°	296.6	12.0
20°-30°	443.9	18.0
30°-40°	508.5	20.6
40°-50°	439.8	17.8
50°-60°	318.3	12.9
60°-70°	209.7	8.5
70°-80°	114.1	4.6
80°-90°	32.7	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°	844.2	34.2
0°-40°	1352.7	54.8
0°-60°	2110.8	85.6
0°-90°	2467.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2467.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1095	1095	1095	1095	1095	
5°	1089	1091	1091	1091	1090	104
15°	1051	1052	1052	1054	1050	296
25°	964	964	965	966	962	444
35°	821	821	819	818	815	510
45°	574	573	565	564	567	445
55°	358	356	352	350	353	322
65°	211	213	210	208	211	211
75°	108	108	106	106	108	115
85°	29	29	29	30	26	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1092.7	1095.0	1094.2	1095.0	1092.7
5°	1088.8	1091.1	1091.1	1091.1	1089.5
7.5°	1083.3	1084.9	1085.7	1086.4	1082.5
10°	1075.6	1077.1	1076.3	1077.9	1074.8
12.5°	1065.5	1065.5	1066.2	1067.8	1064.7
15°	1050.7	1051.5	1052.2	1053.8	1049.9
17.5°	1033.6	1034.4	1035.1	1035.9	1032.8
20°	1014.2	1014.2	1015.7	1016.5	1012.6
22.5°	990.1	990.1	991.6	994.0	989.3
25°	964.4	964.4	965.2	966.0	962.1
27.5°	934.1	934.1	934.9	937.2	932.6
30°	901.5	900.7	901.5	902.3	899.1
32.5°	865.0	864.2	863.4	864.2	860.3
35°	821.4	820.7	819.1	818.3	815.2
37.5°	770.9	769.4	766.3	766.3	763.1
40°	711.9	708.0	704.1	702.5	701.8
42.5°	643.5	640.4	634.9	634.1	634.1
45°	574.3	572.7	565.0	564.2	567.3
47.5°	512.1	508.2	501.3	499.7	504.4
50°	450.7	451.5	445.3	443.0	447.6
52.5°	402.6	401.0	395.6	394.0	397.9
55°	357.5	355.9	352.0	349.7	352.8
57.5°	316.3	315.5	311.6	310.9	312.4
60°	279.0	278.2	275.1	274.3	275.1
62.5°	244.0	244.0	240.9	239.4	241.7
65°	211.4	212.9	209.8	208.3	210.6
67.5°	181.8	183.4	180.3	178.7	181.8
70°	153.9	155.4	152.3	150.8	153.9
72.5°	129.8	130.6	128.2	127.5	131.3
75°	108.0	108.0	106.5	106.5	108.0
77.5°	87.8	87.0	86.3	86.3	84.7
80°	67.6	66.8	66.8	66.8	64.5
82.5°	48.2	46.6	47.4	48.2	44.3
85°	28.8	28.8	28.8	29.5	25.6
87.5°	11.7	11.7	10.9	11.7	10.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)