

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: P1050841

Luminaire Tested: 24PTR-35-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050841
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-35-PLG-L940-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

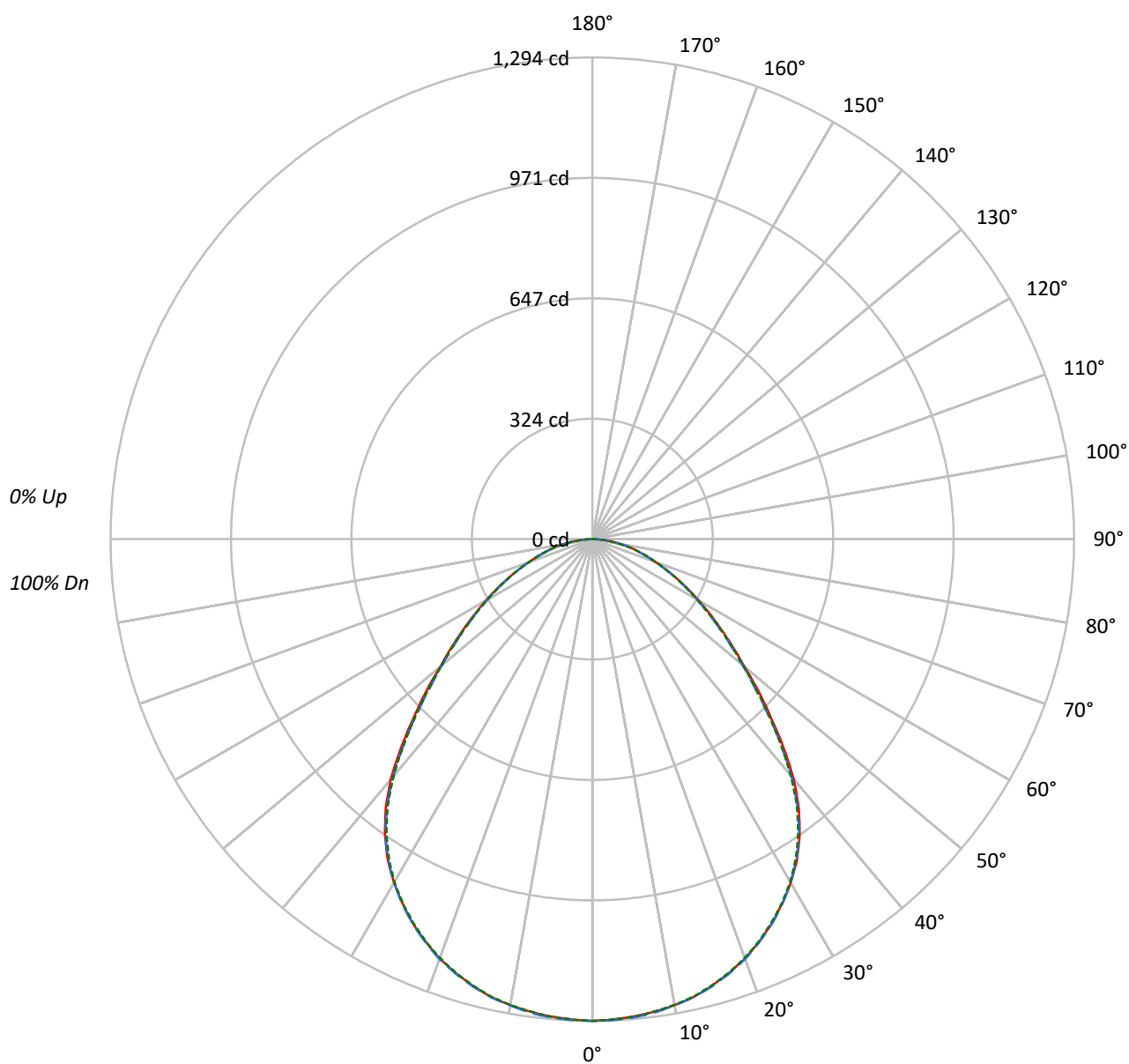
Lumens per Lamp: N/A
Luminaire Lumens: 2916.6 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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°	1742	1742	1742
5°	1738	1742	1739
10°	1737	1738	1736
15°	1730	1733	1729
20°	1716	1719	1714
25°	1692	1694	1688
30°	1656	1656	1651
35°	1595	1590	1583
40°	1478	1462	1457
45°	1292	1271	1276
50°	1115	1102	1108
55°	991	976	978
60°	887	875	875
65°	796	790	793
70°	716	709	716
75°	664	655	664
80°	619	612	590
85°	525	525	468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1292 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	4.2
10°-20°	350.7	12.0
20°-30°	524.7	18.0
30°-40°	601.1	20.6
40°-50°	519.9	17.8
50°-60°	376.3	12.9
60°-70°	247.8	8.5
70°-80°	134.9	4.6
80°-90°	38.7	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°	997.9	34.2
0°-40°	1599.0	54.8
0°-60°	2495.2	85.6
0°-90°	2916.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2916.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1287	1290	1290	1290	1288	122
15°	1242	1243	1244	1246	1241	350
25°	1140	1140	1141	1142	1137	524
35°	971	970	968	967	964	603
45°	679	677	668	667	671	526
55°	423	421	416	413	417	380
65°	250	252	248	246	249	250
75°	128	128	126	126	128	136
85°	34	34	34	35	30	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1294.4	1294.4	1294.4	1294.4	1294.4
2.5°	1291.6	1294.4	1293.5	1294.4	1291.6
5°	1287.0	1289.8	1289.8	1289.8	1287.9
7.5°	1280.6	1282.4	1283.3	1284.3	1279.7
10°	1271.4	1273.2	1272.3	1274.2	1270.5
12.5°	1259.5	1259.5	1260.4	1262.2	1258.5
15°	1242.0	1242.9	1243.8	1245.7	1241.1
17.5°	1221.8	1222.7	1223.6	1224.6	1220.9
20°	1198.8	1198.8	1200.7	1201.6	1197.0
22.5°	1170.4	1170.4	1172.2	1174.9	1169.4
25°	1140.0	1140.0	1141.0	1141.9	1137.3
27.5°	1104.2	1104.2	1105.1	1107.9	1102.4
30°	1065.6	1064.7	1065.6	1066.5	1062.9
32.5°	1022.5	1021.5	1020.6	1021.5	1016.9
35°	971.0	970.1	968.3	967.3	963.7
37.5°	911.3	909.5	905.8	905.8	902.1
40°	841.5	836.9	832.3	830.5	829.5
42.5°	760.6	757.0	750.5	749.6	749.6
45°	678.9	677.0	667.9	666.9	670.6
47.5°	605.4	600.8	592.5	590.7	596.2
50°	532.8	533.7	526.4	523.6	529.1
52.5°	475.9	474.0	467.6	465.8	470.3
55°	422.6	420.7	416.1	413.4	417.1
57.5°	373.9	373.0	368.4	367.5	369.3
60°	329.8	328.9	325.2	324.3	325.2
62.5°	288.5	288.5	284.8	282.9	285.7
65°	249.9	251.7	248.0	246.2	249.0
67.5°	215.0	216.8	213.1	211.3	215.0
70°	181.9	183.7	180.1	178.2	181.9
72.5°	153.4	154.3	151.6	150.7	155.3
75°	127.7	127.7	125.9	125.9	127.7
77.5°	103.8	102.9	102.0	102.0	100.1
80°	79.9	79.0	79.0	79.0	76.2
82.5°	57.0	55.1	56.0	57.0	52.4
85°	34.0	34.0	34.0	34.9	30.3
87.5°	13.8	13.8	12.9	13.8	11.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)