

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: P1050796

Luminaire Tested: 24PTR-30-PLG-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050796
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-L840-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

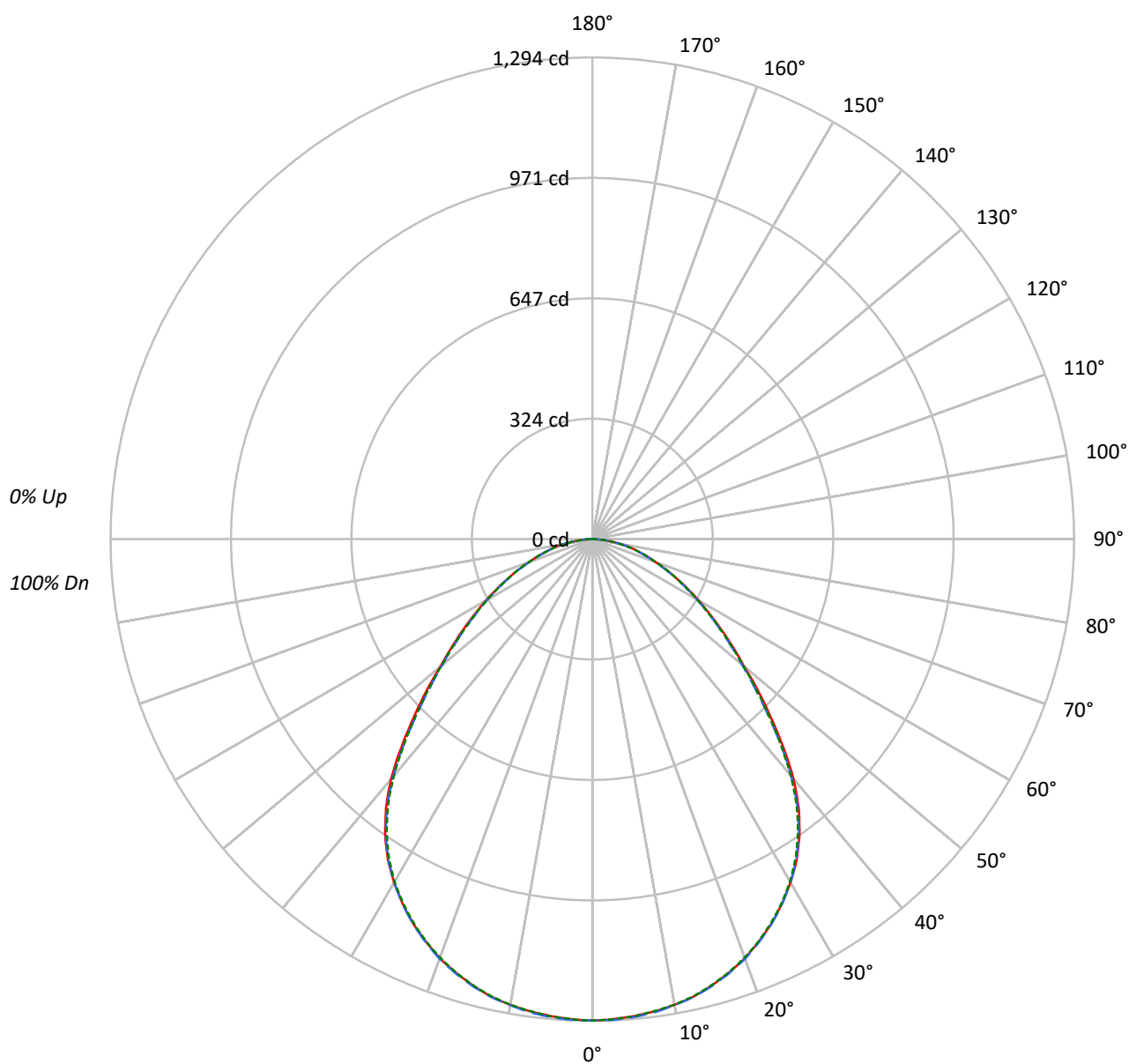
Lumens per Lamp: N/A
Luminaire Lumens: 2914.7 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050796

CATALOG NUMBER: 24PTR-30-PLG-L840-UNV-STD-W

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°	1740	1740	1740
5°	1737	1741	1738
10°	1736	1737	1735
15°	1729	1731	1728
20°	1715	1718	1713
25°	1691	1693	1687
30°	1654	1654	1650
35°	1594	1589	1582
40°	1477	1461	1456
45°	1291	1270	1275
50°	1115	1101	1107
55°	991	976	978
60°	887	875	875
65°	795	789	792
70°	715	708	715
75°	663	654	663
80°	619	612	590
85°	525	525	468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1291 cd/sqm

TEST NUMBER: P1050796

CATALOG NUMBER: 24PTR-30-PLG-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	4.2
10°-20°	350.4	12.0
20°-30°	524.3	18.0
30°-40°	600.7	20.6
40°-50°	519.6	17.8
50°-60°	376.0	12.9
60°-70°	247.7	8.5
70°-80°	134.8	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°	997.2	34.2
0°-40°	1598.0	54.8
0°-60°	2493.6	85.6
0°-90°	2914.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2914.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1286	1289	1289	1289	1287	122
15°	1241	1242	1243	1245	1240	350
25°	1139	1139	1140	1141	1137	524
35°	970	970	968	967	963	603
45°	678	677	667	666	670	525
55°	422	420	416	413	417	380
65°	250	252	248	246	249	249
75°	128	128	126	126	128	136
85°	34	34	34	35	30	39
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-30-PLG-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1293.5	1293.5	1293.5	1293.5	1293.5
2.5°	1290.8	1293.5	1292.6	1293.5	1290.8
5°	1286.2	1288.9	1288.9	1288.9	1287.1
7.5°	1279.8	1281.6	1282.5	1283.4	1278.9
10°	1270.6	1272.4	1271.5	1273.3	1269.7
12.5°	1258.7	1258.7	1259.6	1261.4	1257.7
15°	1241.2	1242.1	1243.0	1244.9	1240.3
17.5°	1221.0	1221.9	1222.8	1223.8	1220.1
20°	1198.1	1198.1	1199.9	1200.8	1196.2
22.5°	1169.6	1169.6	1171.4	1174.2	1168.7
25°	1139.3	1139.3	1140.2	1141.1	1136.6
27.5°	1103.5	1103.5	1104.4	1107.2	1101.7
30°	1064.9	1064.0	1064.9	1065.9	1062.2
32.5°	1021.8	1020.9	1020.0	1020.9	1016.3
35°	970.4	969.5	967.6	966.7	963.0
37.5°	910.7	908.9	905.2	905.2	901.5
40°	840.9	836.3	831.8	829.9	829.0
42.5°	760.1	756.5	750.1	749.1	749.1
45°	678.4	676.6	667.4	666.5	670.2
47.5°	605.0	600.4	592.1	590.3	595.8
50°	532.5	533.4	526.0	523.3	528.8
52.5°	475.6	473.7	467.3	465.5	470.0
55°	422.3	420.5	415.9	413.1	416.8
57.5°	373.6	372.7	368.1	367.2	369.1
60°	329.6	328.7	325.0	324.1	325.0
62.5°	288.3	288.3	284.6	282.8	285.5
65°	249.7	251.5	247.9	246.0	248.8
67.5°	214.8	216.7	213.0	211.2	214.8
70°	181.8	183.6	179.9	178.1	181.8
72.5°	153.3	154.2	151.5	150.6	155.2
75°	127.6	127.6	125.8	125.8	127.6
77.5°	103.7	102.8	101.9	101.9	100.1
80°	79.9	79.0	79.0	79.0	76.2
82.5°	56.9	55.1	56.0	56.9	52.3
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)