

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: P1051005

Luminaire Tested: 24PTR-30-PW1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PW1-L830-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

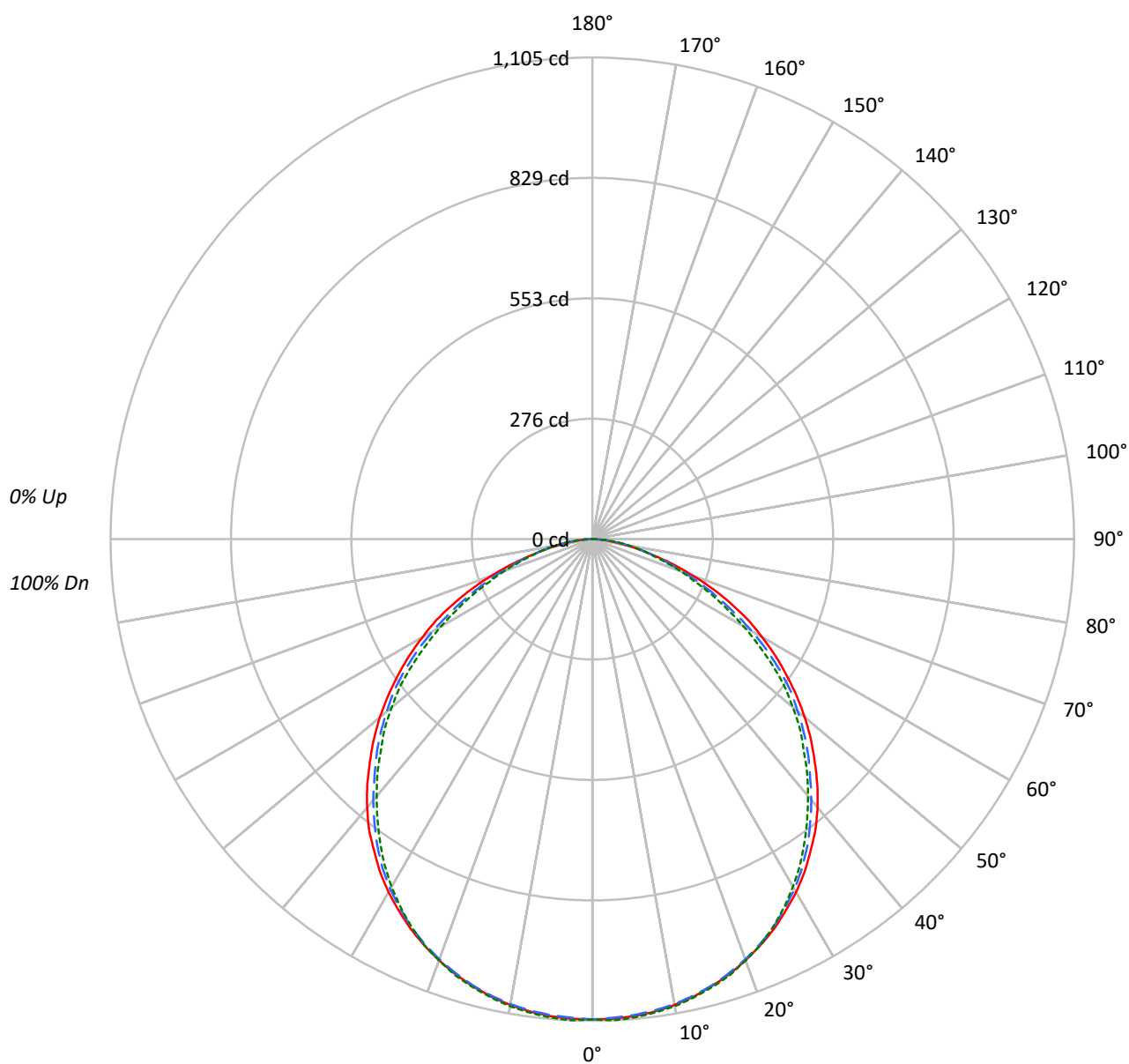
Lumens per Lamp: N/A
Luminaire Lumens: 2923.6 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1051005

CATALOG NUMBER: 24PTR-30-PW1-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1051005

CATALOG NUMBER: 24PTR-30-PW1-L830-UNV-STD-W

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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1482	1482	1482
5°	1484	1480	1488
10°	1483	1480	1487
15°	1478	1476	1482
20°	1472	1469	1472
25°	1464	1458	1457
30°	1453	1440	1430
35°	1434	1412	1394
40°	1412	1373	1351
45°	1372	1332	1305
50°	1331	1288	1258
55°	1276	1232	1183
60°	1209	1138	1079
65°	1119	1016	966
70°	970	885	851
75°	774	757	737
80°	588	657	657
85°	435	560	560

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1372 cd/sqm

TEST NUMBER: P1051005

CATALOG NUMBER: 24PTR-30-PW1-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.5	3.6
10°-20°	299.7	10.2
20°-30°	452.9	15.5
30°-40°	537.8	18.4
40°-50°	541.8	18.5
50°-60°	468.3	16.0
60°-70°	320.1	10.9
70°-80°	157.8	5.4
80°-90°	40.8	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°	857.0	29.3
0°-40°	1394.8	47.7
0°-60°	2404.9	82.3
0°-90°	2923.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2923.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1102	1102	1102	1102	1102	
5°	1098	1099	1096	1100	1102	104
15°	1061	1062	1060	1063	1064	300
25°	986	985	982	983	981	454
35°	873	870	860	852	849	546
45°	721	714	700	692	686	557
55°	544	542	525	510	504	486
65°	351	339	319	305	303	347
75°	149	148	146	146	142	162
85°	28	33	36	37	36	35
90°	0	0	0	0	0	

TEST NUMBER: P1051005

CATALOG NUMBER: 24PTR-30-PW1-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1101.7	1101.7	1101.7	1101.7	1101.7
2.5°	1101.4	1101.7	1098.8	1103.7	1104.9
5°	1098.4	1098.8	1096.0	1100.5	1101.7
7.5°	1093.2	1093.9	1090.7	1095.1	1096.0
10°	1085.3	1085.8	1083.0	1087.4	1088.3
12.5°	1074.8	1075.1	1072.7	1076.7	1076.7
15°	1061.3	1062.5	1059.7	1063.4	1063.7
17.5°	1046.2	1046.6	1043.8	1047.8	1048.7
20°	1028.2	1028.2	1025.9	1029.1	1028.2
22.5°	1008.2	1008.2	1005.4	1007.0	1007.8
25°	986.3	985.4	982.1	983.0	981.4
27.5°	960.9	960.9	955.1	955.1	952.3
30°	935.2	933.2	927.1	923.4	920.5
32.5°	905.7	902.9	895.2	888.7	886.6
35°	872.8	869.8	859.6	851.9	848.6
37.5°	840.9	834.4	820.9	813.2	809.4
40°	803.7	795.5	781.7	771.0	769.4
42.5°	763.8	757.2	739.3	731.4	729.5
45°	721.3	713.5	700.0	691.8	685.7
47.5°	679.7	673.9	658.4	648.7	646.6
50°	635.9	631.0	615.1	604.6	600.9
52.5°	590.7	587.4	573.9	560.4	555.9
55°	543.8	542.1	525.4	509.8	504.5
57.5°	497.7	495.6	474.7	456.7	451.8
60°	449.4	443.4	422.9	406.1	400.8
62.5°	403.8	390.7	368.6	355.5	349.5
65°	351.4	338.8	319.2	305.3	303.3
67.5°	300.1	284.9	269.8	261.2	254.7
70°	246.5	236.3	224.9	217.6	216.4
72.5°	196.7	189.4	183.6	179.2	175.5
75°	148.9	147.7	145.7	145.7	141.7
77.5°	109.5	112.3	113.9	113.5	114.4
80°	75.9	81.6	84.8	85.3	84.8
82.5°	48.2	54.7	60.1	60.8	61.7
85°	28.2	33.1	36.3	37.1	36.3
87.5°	12.6	15.9	16.8	17.5	16.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)