

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: P1050466

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050466
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-L830-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

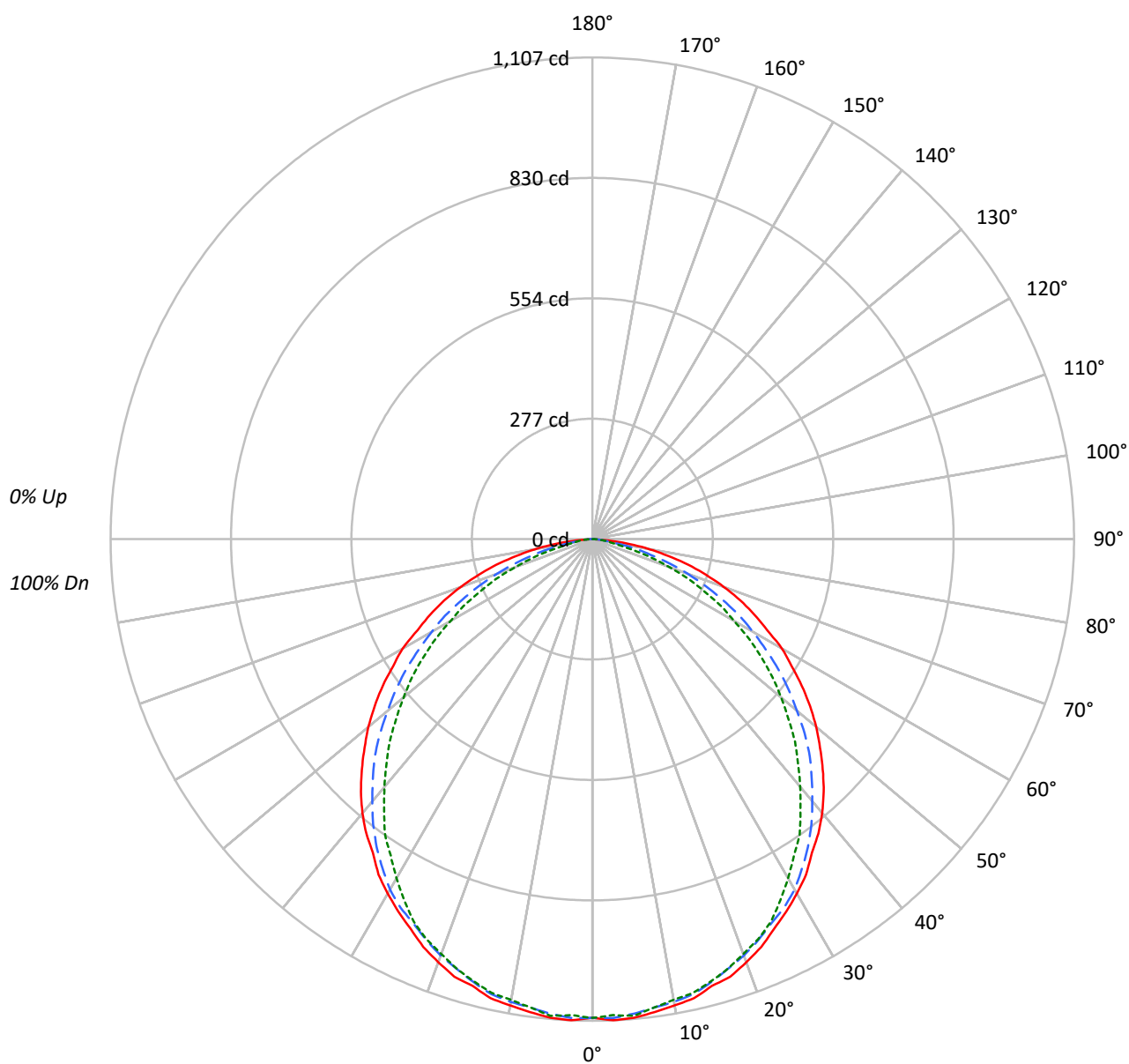
Lumens per Lamp: N/A
Luminaire Lumens: 2930.6 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050466

CATALOG NUMBER: 24PTR-30-L830-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	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°	1480	1480	1480
5°	1491	1479	1485
10°	1487	1475	1469
15°	1481	1469	1466
20°	1482	1458	1452
25°	1467	1446	1441
30°	1461	1445	1398
35°	1444	1419	1364
40°	1443	1381	1305
45°	1425	1345	1253
50°	1406	1285	1185
55°	1379	1225	1113
60°	1354	1146	1010
65°	1308	1052	903
70°	1266	915	737
75°	1189	722	507
80°	1031	437	305
85°	689	313	293

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1425 cd/sqm

TEST NUMBER: P1050466

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	3.6
10°-20°	298.4	10.2
20°-30°	450.8	15.4
30°-40°	536.0	18.3
40°-50°	543.6	18.5
50°-60°	472.0	16.1
60°-70°	335.1	11.4
70°-80°	160.1	5.5
80°-90°	30.3	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°	853.5	29.1
0°-40°	1389.5	47.4
0°-60°	2405.1	82.1
0°-90°	2930.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2930.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1104	1100	1095	1098	1100	105
15°	1063	1066	1054	1053	1052	301
25°	988	987	974	978	970	456
35°	879	878	864	834	830	553
45°	749	742	707	670	659	578
55°	588	570	522	492	474	525
65°	411	380	330	295	284	407
75°	229	187	139	110	98	240
85°	45	24	20	20	19	56
90°	0	0	0	0	0	

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1100.2	1100.2	1100.2	1100.2	1100.2
2.5°	1106.8	1102.8	1101.5	1106.1	1095.0
5°	1104.1	1100.2	1095.0	1097.6	1099.6
7.5°	1096.3	1093.0	1085.8	1091.7	1085.8
10°	1088.4	1085.1	1079.9	1081.9	1075.3
12.5°	1080.6	1072.7	1071.4	1072.7	1068.1
15°	1062.9	1065.5	1054.3	1053.0	1052.4
17.5°	1054.3	1047.8	1036.0	1036.7	1035.3
20°	1034.7	1026.8	1018.3	1017.0	1014.4
22.5°	1014.4	1005.2	997.3	1001.3	995.4
25°	988.2	986.8	973.7	977.7	970.5
27.5°	965.2	960.6	954.7	946.2	935.7
30°	940.3	935.7	929.8	907.6	899.7
32.5°	914.1	908.9	897.1	870.9	862.3
35°	879.4	878.1	863.7	834.2	830.2
37.5°	853.2	838.8	827.0	796.8	785.7
40°	821.7	813.9	786.3	757.5	743.1
42.5°	787.0	777.8	746.4	715.6	699.8
45°	749.0	742.4	707.0	669.7	658.6
47.5°	709.7	703.8	661.8	625.8	611.4
50°	671.7	664.5	614.0	579.3	566.2
52.5°	630.4	618.6	568.8	534.7	522.3
55°	587.8	570.1	522.3	491.5	474.4
57.5°	542.6	526.2	473.1	441.0	427.2
60°	503.3	480.3	425.9	393.2	375.5
62.5°	452.8	433.1	381.4	342.7	334.2
65°	410.9	380.1	330.3	294.9	283.7
67.5°	368.3	332.2	281.8	245.7	239.8
70°	321.7	284.4	232.6	197.2	187.4
72.5°	274.6	237.9	187.4	150.1	144.2
75°	228.7	186.8	138.9	110.1	97.6
77.5°	178.9	140.9	97.6	67.5	59.6
80°	133.0	95.0	56.4	40.0	39.3
82.5°	87.2	55.0	30.1	30.8	29.5
85°	44.6	23.6	20.3	19.7	19.0
87.5°	8.5	9.2	9.8	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)