

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: P1050697

Luminaire Tested: 24PTR-30-PL1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PL1-L830-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

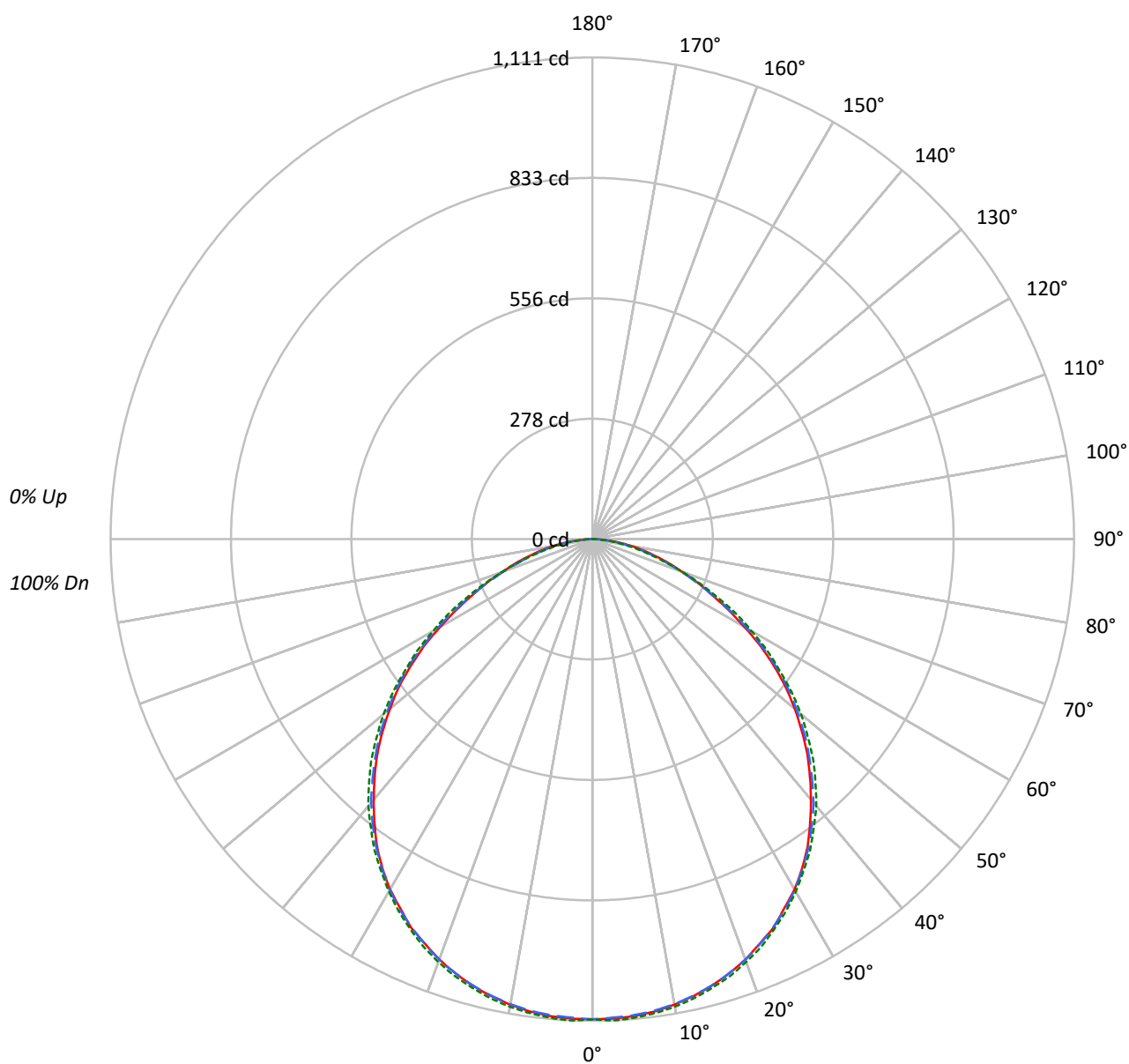
Lumens per Lamp: N/A
Luminaire Lumens: 2919.7 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050697

CATALOG NUMBER: 24PTR-30-PL1-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	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1490	1490	1490
5°	1492	1489	1497
10°	1490	1488	1496
15°	1485	1484	1492
20°	1478	1478	1486
25°	1468	1466	1474
30°	1449	1451	1458
35°	1422	1427	1439
40°	1377	1393	1411
45°	1334	1345	1371
50°	1276	1289	1315
55°	1202	1221	1235
60°	1090	1113	1141
65°	968	978	1018
70°	865	848	869
75°	781	736	721
80°	710	659	585
85°	601	545	469

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1371 cd/sqm

TEST NUMBER: P1050697

CATALOG NUMBER: 24PTR-30-PL1-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	3.6
10°-20°	301.3	10.3
20°-30°	455.8	15.6
30°-40°	543.3	18.6
40°-50°	546.3	18.7
50°-60°	463.7	15.9
60°-70°	308.7	10.6
70°-80°	154.2	5.3
80°-90°	41.2	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°	862.2	29.5
0°-40°	1405.6	48.1
0°-60°	2415.6	82.7
0°-90°	2919.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2919.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1108	1108	1108	1108	1108	
5°	1104	1105	1102	1107	1108	105
15°	1066	1067	1066	1070	1071	301
25°	989	989	987	992	993	455
35°	866	866	869	875	876	540
45°	701	702	707	716	721	540
55°	512	516	520	525	526	456
65°	304	307	307	312	320	305
75°	150	148	142	138	139	161
85°	39	38	35	33	30	45
90°	0	0	0	0	0	

TEST NUMBER: P1050697

CATALOG NUMBER: 24PTR-30-PL1-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1107.6	1107.6	1107.6	1107.6	1107.6
2.5°	1106.7	1107.6	1104.7	1110.0	1111.4
5°	1104.4	1104.7	1102.3	1107.2	1108.4
7.5°	1099.0	1099.4	1096.9	1102.3	1103.0
10°	1090.3	1091.2	1089.2	1094.1	1095.3
12.5°	1079.3	1080.5	1078.4	1083.8	1084.7
15°	1066.2	1067.4	1065.7	1070.2	1071.1
17.5°	1050.1	1051.0	1050.1	1054.3	1056.6
20°	1032.0	1032.0	1032.0	1035.8	1037.9
22.5°	1009.5	1011.6	1010.7	1015.6	1017.7
25°	988.6	988.6	987.3	991.9	992.7
27.5°	959.4	962.7	962.4	966.4	967.3
30°	932.7	933.6	934.1	936.9	938.5
32.5°	900.4	901.1	902.5	906.5	906.9
35°	865.5	866.4	868.8	874.9	875.8
37.5°	824.9	829.4	831.5	838.0	838.8
40°	784.2	787.0	793.3	800.2	803.4
42.5°	742.8	746.0	749.8	759.2	762.1
45°	701.3	702.5	707.1	716.5	720.7
47.5°	655.4	659.1	663.1	671.3	673.9
50°	609.4	613.5	616.0	623.3	628.2
52.5°	563.1	566.8	569.6	574.1	579.0
55°	512.2	515.8	520.4	525.3	526.5
57.5°	460.5	464.5	467.5	472.7	478.1
60°	405.0	409.6	413.7	418.6	423.9
62.5°	353.4	355.3	359.5	367.7	375.5
65°	304.1	306.6	307.3	312.0	319.7
67.5°	263.0	263.0	259.3	261.0	269.6
70°	219.9	218.3	215.5	213.8	220.8
72.5°	185.1	183.0	176.9	174.0	177.7
75°	150.2	148.1	141.5	138.2	138.7
77.5°	120.6	117.4	112.0	106.3	105.1
80°	91.6	90.2	85.0	79.6	75.5
82.5°	64.9	62.0	59.1	55.8	52.5
85°	38.9	38.2	35.3	33.3	30.4
87.5°	16.0	16.0	15.2	14.3	13.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)