

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: P1050477

Luminaire Tested: 24PTR-30-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050477
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-L835-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

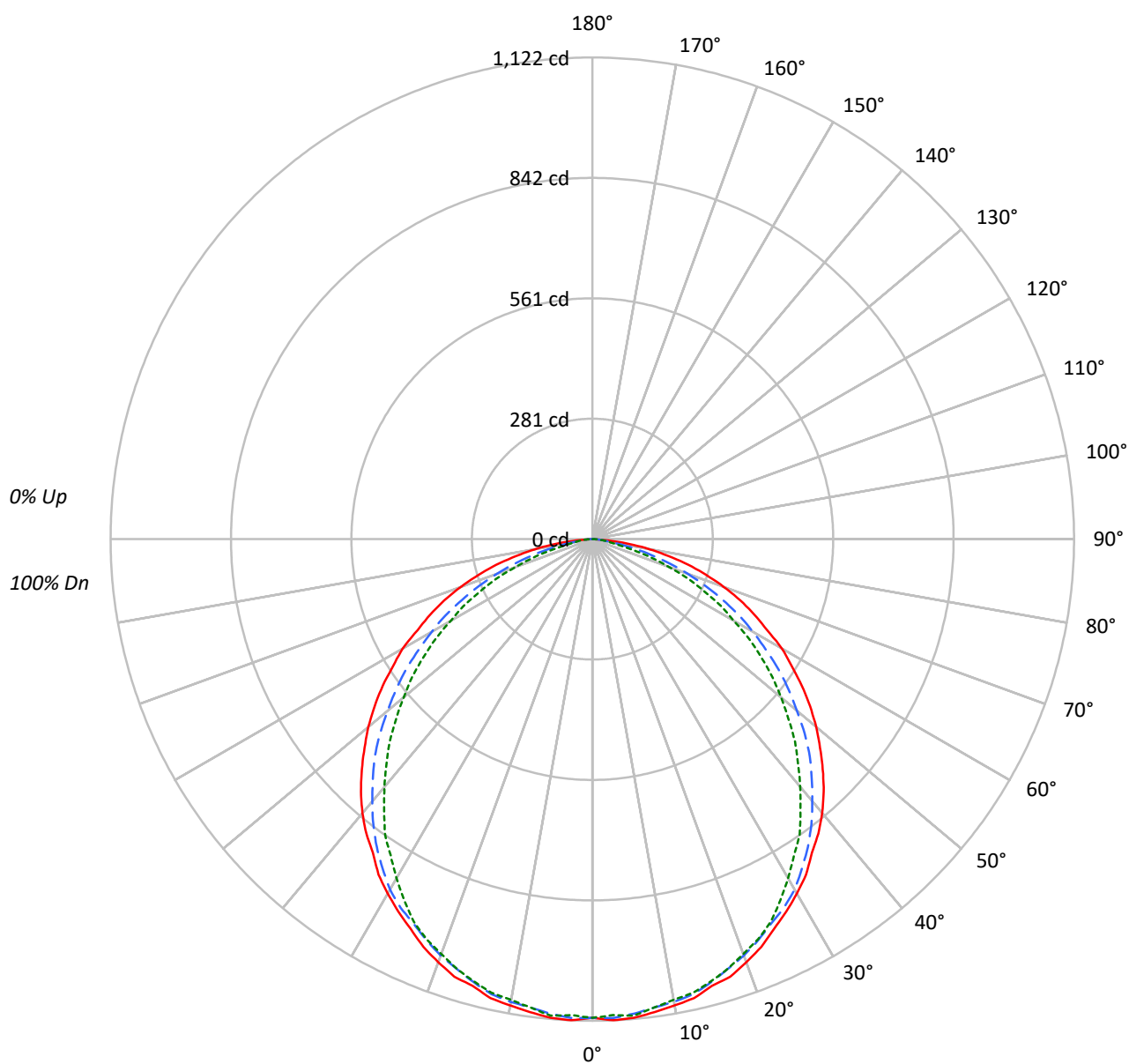
Lumens per Lamp: N/A
Luminaire Lumens: 2970.2 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	1500	1500	1500
5°	1511	1499	1505
10°	1507	1495	1489
15°	1500	1489	1486
20°	1502	1478	1472
25°	1487	1465	1460
30°	1481	1464	1417
35°	1464	1438	1382
40°	1463	1400	1323
45°	1444	1364	1270
50°	1425	1303	1201
55°	1397	1242	1128
60°	1373	1162	1024
65°	1326	1066	916
70°	1283	928	747
75°	1205	732	515
80°	1044	442	308
85°	698	318	298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1444 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	3.6
10°-20°	302.5	10.2
20°-30°	456.9	15.4
30°-40°	543.2	18.3
40°-50°	550.9	18.5
50°-60°	478.4	16.1
60°-70°	339.6	11.4
70°-80°	162.3	5.5
80°-90°	30.8	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°	865.0	29.1
0°-40°	1408.2	47.4
0°-60°	2437.5	82.1
0°-90°	2970.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2970.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1119	1115	1110	1112	1114	106
15°	1077	1080	1069	1067	1067	305
25°	1002	1000	987	991	984	463
35°	891	890	875	845	841	560
45°	759	752	717	679	667	586
55°	596	578	529	498	481	532
65°	416	385	335	299	288	412
75°	232	189	141	112	99	243
85°	45	24	21	20	19	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1115.1	1115.1	1115.1	1115.1	1115.1
2.5°	1121.7	1117.7	1116.4	1121.0	1109.8
5°	1119.1	1115.1	1109.8	1112.4	1114.4
7.5°	1111.1	1107.8	1100.5	1106.4	1100.5
10°	1103.1	1099.8	1094.5	1096.5	1089.8
12.5°	1095.1	1087.2	1085.8	1087.2	1082.5
15°	1077.2	1079.9	1068.6	1067.3	1066.6
17.5°	1068.6	1061.9	1050.0	1050.7	1049.3
20°	1048.7	1040.7	1032.1	1030.7	1028.1
22.5°	1028.1	1018.8	1010.8	1014.8	1008.8
25°	1001.5	1000.2	986.9	990.9	983.6
27.5°	978.3	973.6	967.6	959.0	948.4
30°	953.0	948.4	942.4	919.8	911.8
32.5°	926.5	921.1	909.2	882.6	874.0
35°	891.3	889.9	875.3	845.4	841.4
37.5°	864.7	850.1	838.1	807.6	796.3
40°	832.8	824.8	797.0	767.7	753.1
42.5°	797.6	788.3	756.4	725.2	709.3
45°	759.1	752.5	716.6	678.7	667.4
47.5°	719.3	713.3	670.8	634.2	619.6
50°	680.7	673.4	622.3	587.1	573.8
52.5°	638.9	626.9	576.5	541.9	529.3
55°	595.7	577.8	529.3	498.1	480.8
57.5°	549.9	533.3	479.5	447.0	433.0
60°	510.1	486.8	431.7	398.5	380.5
62.5°	458.9	439.0	386.5	347.3	338.7
65°	416.4	385.2	334.7	298.9	287.6
67.5°	373.2	336.7	285.6	249.0	243.1
70°	326.1	288.2	235.8	199.9	189.9
72.5°	278.3	241.1	189.9	152.1	146.1
75°	231.8	189.3	140.8	111.6	99.0
77.5°	181.3	142.8	99.0	68.4	60.4
80°	134.8	96.3	57.1	40.5	39.8
82.5°	88.3	55.8	30.5	31.2	29.9
85°	45.2	23.9	20.6	19.9	19.3
87.5°	8.6	9.3	10.0	10.0	10.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)