

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: P1050884

Luminaire Tested: 24PTR-30-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PP3-L850-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

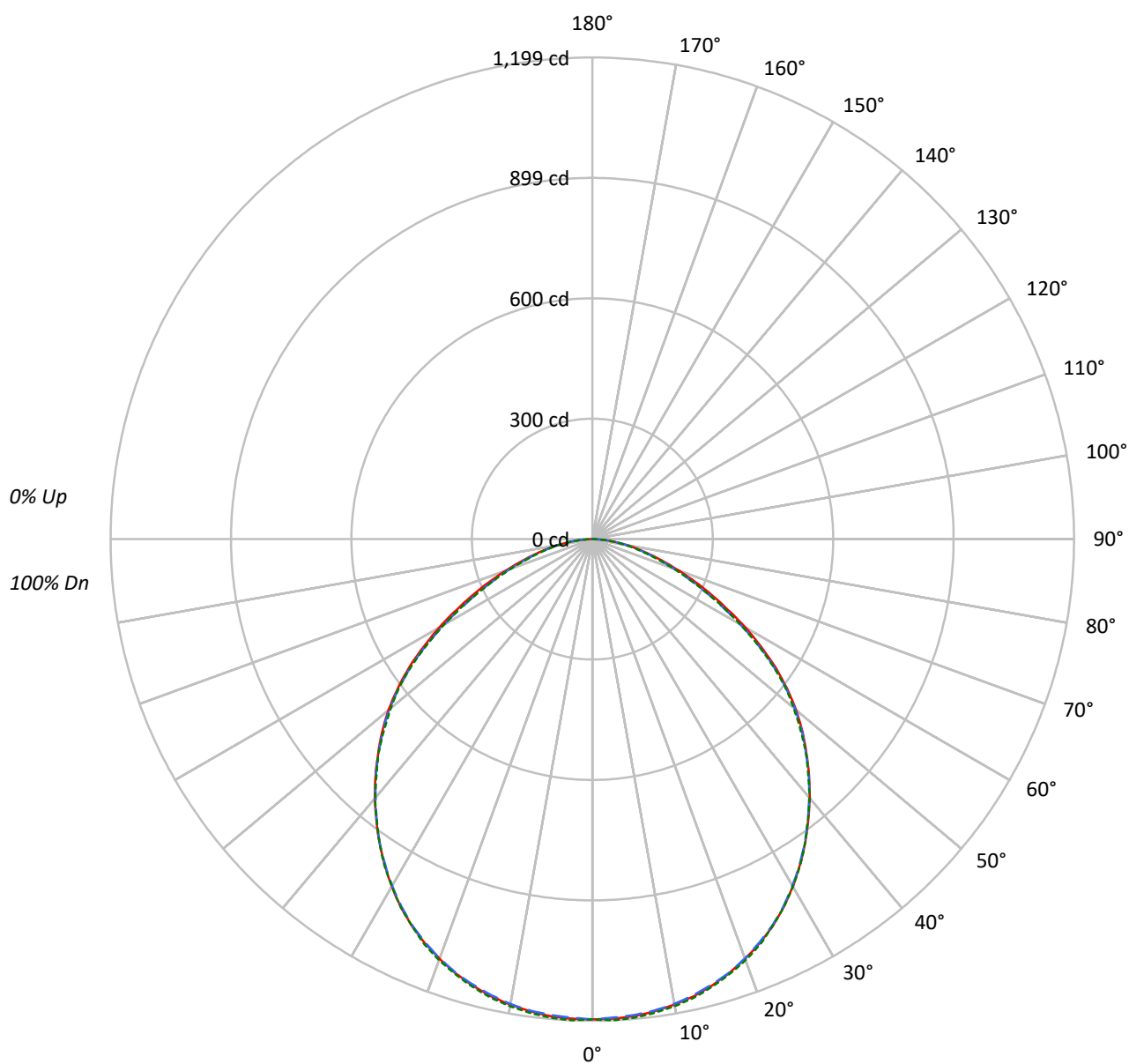
Lumens per Lamp: N/A
Luminaire Lumens: 3088.5 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050884

CATALOG NUMBER: 24PTR-30-PP3-L850-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050884

CATALOG NUMBER: 24PTR-30-PP3-L850-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	100		100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1608	1608	1608
5°	1610	1606	1615
10°	1608	1605	1613
15°	1602	1599	1606
20°	1592	1590	1597
25°	1578	1575	1577
30°	1551	1548	1551
35°	1517	1515	1516
40°	1478	1474	1478
45°	1434	1430	1431
50°	1386	1379	1370
55°	1305	1289	1285
60°	1184	1144	1146
65°	1040	988	986
70°	899	858	849
75°	778	749	732
80°	689	680	649
85°	570	590	554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1439 cd/sqm

TEST NUMBER: P1050884

CATALOG NUMBER: 24PTR-30-PP3-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	3.7
10°-20°	324.8	10.5
20°-30°	488.9	15.8
30°-40°	577.1	18.7
40°-50°	580.4	18.8
50°-60°	490.0	15.9
60°-70°	314.7	10.2
70°-80°	156.5	5.1
80°-90°	42.9	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°	927.1	30.0
0°-40°	1504.1	48.7
0°-60°	2574.4	83.4
0°-90°	3088.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3088.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1192	1192	1189	1195	1196	113
15°	1150	1151	1148	1153	1153	325
25°	1063	1063	1061	1063	1062	489
35°	924	924	922	923	923	577
45°	754	756	751	752	752	582
55°	556	556	550	548	548	495
65°	327	322	310	307	310	326
75°	150	149	144	143	141	162
85°	37	38	38	36	36	43
90°	0	0	0	0	0	

TEST NUMBER: P1050884

CATALOG NUMBER: 24PTR-30-PP3-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1195.3	1195.3	1195.3	1195.3	1195.3
2.5°	1194.9	1195.3	1192.2	1197.9	1198.8
5°	1191.9	1192.2	1189.2	1194.9	1195.7
7.5°	1185.7	1186.2	1183.5	1188.7	1189.7
10°	1176.6	1178.0	1174.9	1179.7	1180.5
12.5°	1165.4	1165.9	1162.7	1168.4	1169.3
15°	1150.3	1150.6	1148.0	1153.3	1153.3
17.5°	1132.8	1133.2	1131.5	1135.9	1135.4
20°	1111.6	1112.9	1110.7	1113.7	1115.4
22.5°	1088.6	1089.1	1086.4	1090.3	1092.1
25°	1062.6	1062.9	1060.9	1062.9	1062.1
27.5°	1032.2	1033.0	1030.0	1032.2	1032.6
30°	998.3	1000.5	996.2	998.0	998.3
32.5°	961.9	963.1	960.1	960.6	962.8
35°	923.7	924.2	922.4	923.2	923.2
37.5°	882.6	884.3	881.6	882.9	881.1
40°	841.7	840.0	839.0	840.0	841.3
42.5°	798.7	799.2	797.9	796.9	794.9
45°	753.6	756.3	751.4	752.3	752.3
47.5°	709.5	709.8	707.2	704.6	702.8
50°	662.2	662.2	659.0	657.0	654.3
52.5°	610.4	609.7	606.2	604.0	605.2
55°	556.2	555.7	549.7	547.5	548.0
57.5°	496.8	497.7	488.6	486.4	486.4
60°	440.0	435.6	425.2	422.2	426.0
62.5°	380.4	375.2	364.0	364.0	367.0
65°	326.7	321.9	310.3	307.1	309.8
67.5°	276.4	272.0	261.2	259.5	260.3
70°	228.6	224.8	218.2	214.3	215.7
72.5°	187.5	184.0	179.6	176.6	174.8
75°	149.6	148.8	144.1	142.7	140.9
77.5°	118.4	118.1	114.1	112.4	110.7
80°	88.9	88.4	87.7	85.0	83.7
82.5°	63.4	63.4	62.9	60.7	59.4
85°	36.9	38.2	38.2	35.9	35.9
87.5°	14.8	15.6	14.8	14.8	14.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)