

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: P1050587

Luminaire Tested: 24PTR-30-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PB1-L930-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

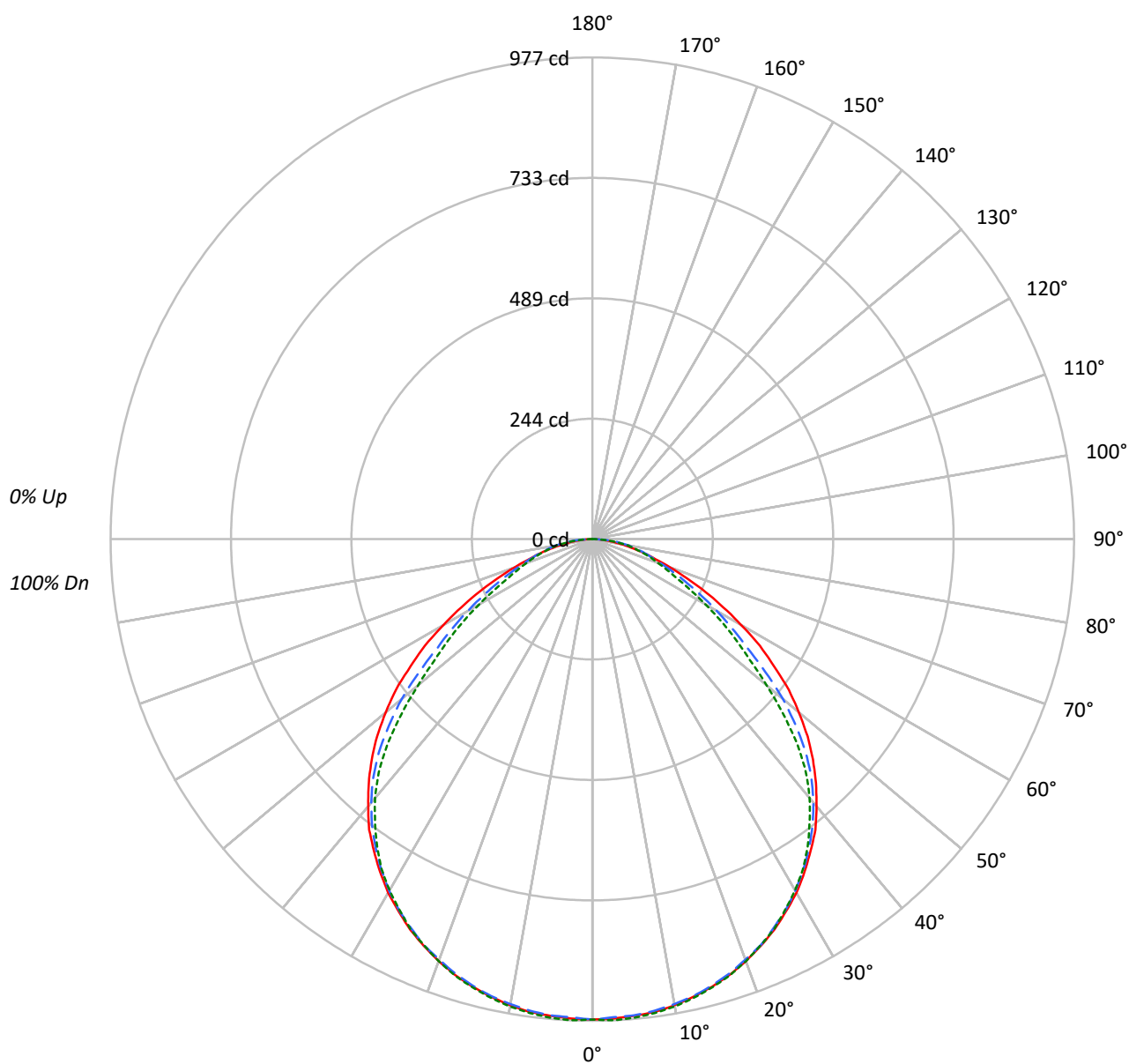
Lumens per Lamp: N/A
Luminaire Lumens: 2429.9 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050587

CATALOG NUMBER: 24PTR-30-PB1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050587

CATALOG NUMBER: 24PTR-30-PB1-L930-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		
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1311	1311	1311
5°	1311	1310	1316
10°	1312	1308	1315
15°	1309	1306	1311
20°	1304	1299	1304
25°	1297	1292	1295
30°	1287	1279	1277
35°	1268	1258	1250
40°	1242	1225	1204
45°	1204	1165	1118
50°	1144	1056	966
55°	1054	897	832
60°	939	784	713
65°	805	679	607
70°	665	599	556
75°	560	573	542
80°	474	585	558
85°	371	593	519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1204 cd/sqm

TEST NUMBER: P1050587

CATALOG NUMBER: 24PTR-30-PB1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	3.8
10°-20°	265.1	10.9
20°-30°	401.6	16.5
30°-40°	478.5	19.7
40°-50°	467.9	19.3
50°-60°	354.0	14.6
60°-70°	217.5	8.9
70°-80°	115.9	4.8
80°-90°	37.0	1.5
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°	759.1	31.2
0°-40°	1237.6	50.9
0°-60°	2059.6	84.8
0°-90°	2429.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2429.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	974	974	974	974	974	
5°	971	972	970	973	974	92
15°	940	941	937	941	941	265
25°	874	872	870	871	872	402
35°	772	771	766	762	761	483
45°	633	629	612	592	587	487
55°	450	427	382	361	355	403
65°	253	232	213	197	191	252
75°	108	109	110	107	104	116
85°	24	31	38	36	34	29
90°	0	0	0	0	0	

TEST NUMBER: P1050587

CATALOG NUMBER: 24PTR-30-PB1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	974.5	974.5	974.5	974.5	974.5
2.5°	973.3	974.5	970.8	975.7	976.8
5°	970.8	972.1	969.7	973.3	974.5
7.5°	967.3	967.3	964.9	968.4	969.7
10°	960.1	960.1	957.7	961.2	962.5
12.5°	950.5	950.5	949.3	951.7	952.9
15°	939.7	940.9	937.3	940.9	940.9
17.5°	926.5	925.4	924.1	926.5	927.8
20°	910.9	910.9	907.4	909.8	910.9
22.5°	892.9	892.9	891.8	892.9	891.8
25°	873.8	872.5	870.1	871.4	872.5
27.5°	851.0	851.0	848.6	848.6	847.4
30°	828.2	827.0	823.5	821.1	822.2
32.5°	800.7	799.4	795.9	793.5	794.6
35°	771.9	770.7	765.9	762.3	761.2
37.5°	743.2	739.5	733.5	728.7	723.9
40°	707.2	703.5	697.6	686.8	685.5
42.5°	671.2	667.7	658.0	644.9	641.2
45°	632.8	629.3	612.4	592.0	587.3
47.5°	592.0	586.1	559.7	534.5	525.0
50°	546.6	535.8	504.6	472.3	461.4
52.5°	502.2	483.1	442.3	413.5	402.8
55°	449.5	426.7	382.4	360.8	354.7
57.5°	402.8	371.6	335.6	314.1	309.3
60°	348.8	320.0	291.3	272.1	264.9
62.5°	299.6	274.4	250.5	233.7	225.4
65°	252.9	232.5	213.4	196.6	190.6
67.5°	207.4	196.6	180.9	167.9	164.2
70°	169.0	163.0	152.3	146.2	141.4
72.5°	134.3	136.7	129.5	127.1	123.4
75°	107.8	109.1	110.2	106.7	104.3
77.5°	81.5	87.5	92.2	89.8	87.5
80°	61.2	67.1	75.5	72.0	72.0
82.5°	41.9	49.2	56.4	54.0	52.7
85°	24.0	31.2	38.4	36.0	33.6
87.5°	9.6	15.6	16.7	16.7	15.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)