

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: P1050748

Luminaire Tested: 24PTR-80-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050748
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-80-PL1-L930-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

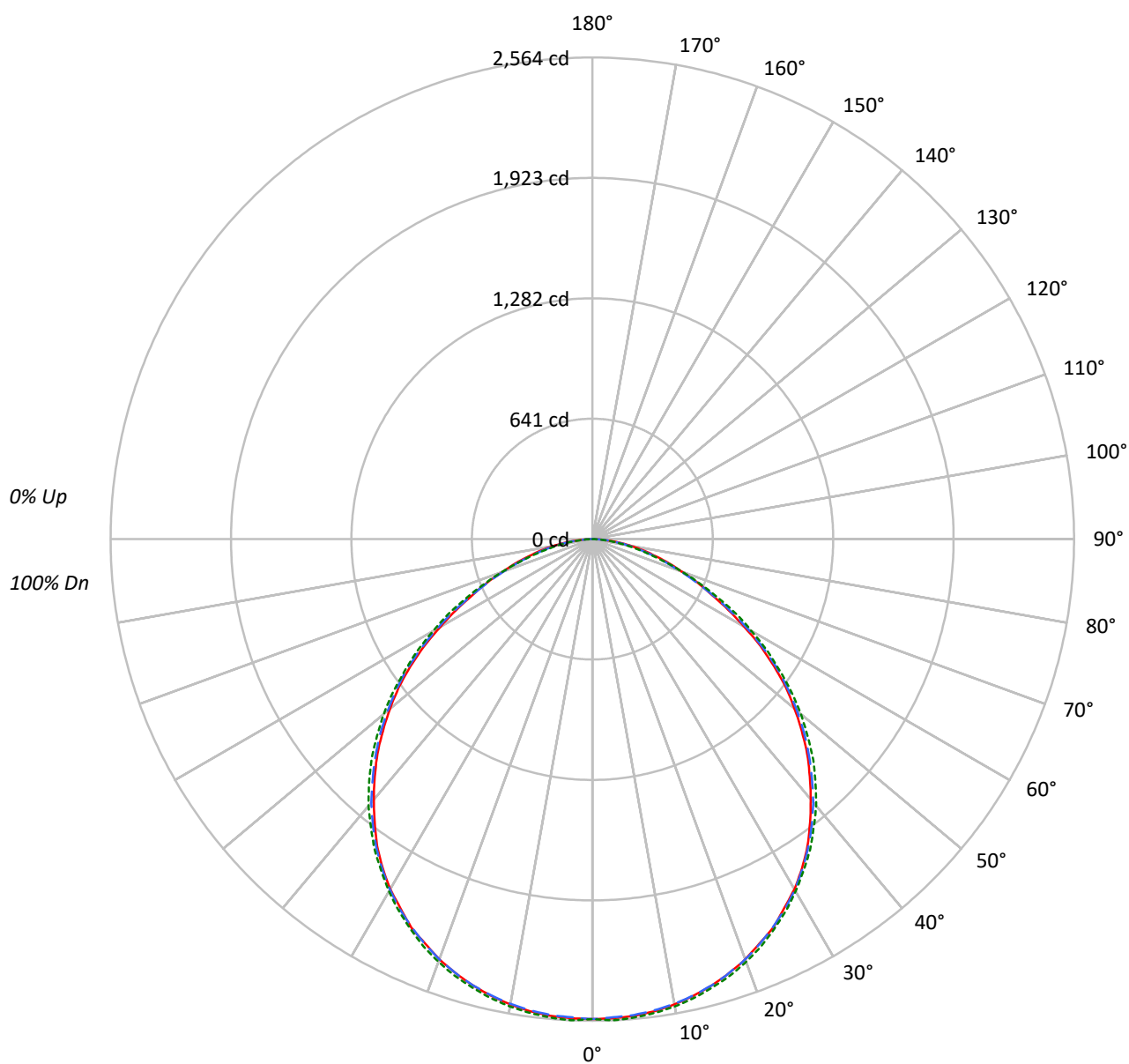
Lumens per Lamp: N/A
Luminaire Lumens: 6734.7 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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: P1050748

CATALOG NUMBER: 24PTR-80-PL1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050748

CATALOG NUMBER: 24PTR-80-PL1-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	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°	3438	3438	3438
5°	3441	3434	3453
10°	3436	3432	3452
15°	3426	3424	3442
20°	3409	3409	3428
25°	3386	3381	3399
30°	3343	3347	3363
35°	3279	3291	3318
40°	3177	3214	3255
45°	3078	3104	3163
50°	2943	2974	3033
55°	2772	2816	2849
60°	2514	2567	2632
65°	2233	2257	2348
70°	1996	1955	2004
75°	1801	1697	1663
80°	1636	1519	1348
85°	1386	1258	1084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3163 cd/sqm

TEST NUMBER: P1050748

CATALOG NUMBER: 24PTR-80-PL1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.4	3.6
10°-20°	695.1	10.3
20°-30°	1051.4	15.6
30°-40°	1253.3	18.6
40°-50°	1260.2	18.7
50°-60°	1069.5	15.9
60°-70°	712.1	10.6
70°-80°	355.6	5.3
80°-90°	95.1	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°	1988.9	29.5
0°-40°	3242.1	48.1
0°-60°	5571.9	82.7
0°-90°	6734.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6734.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2555	2555	2555	2555	2555	
5°	2547	2548	2543	2554	2557	242
15°	2459	2462	2458	2469	2471	694
25°	2280	2280	2277	2288	2290	1049
35°	1996	1998	2004	2018	2020	1245
45°	1618	1620	1631	1653	1662	1245
55°	1182	1190	1200	1212	1214	1053
65°	701	707	709	720	738	703
75°	346	342	326	319	320	372
85°	90	88	82	77	70	104
90°	0	0	0	0	0	

TEST NUMBER: P1050748

CATALOG NUMBER: 24PTR-80-PL1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2554.9	2554.9	2554.9	2554.9	2554.9
2.5°	2552.9	2554.9	2548.1	2560.4	2563.5
5°	2547.4	2548.1	2542.6	2553.9	2556.7
7.5°	2535.0	2536.0	2530.2	2542.6	2544.3
10°	2515.0	2517.1	2512.3	2523.6	2526.4
12.5°	2489.6	2492.3	2487.5	2499.9	2502.0
15°	2459.3	2462.1	2458.3	2468.6	2470.7
17.5°	2422.2	2424.2	2422.2	2431.8	2437.3
20°	2380.6	2380.6	2380.6	2389.2	2394.0
22.5°	2328.6	2333.4	2331.4	2342.7	2347.5
25°	2280.5	2280.5	2277.4	2288.0	2289.7
27.5°	2213.0	2220.6	2219.9	2229.2	2231.3
30°	2151.5	2153.5	2154.6	2161.1	2164.9
32.5°	2076.8	2078.6	2081.7	2090.9	2092.0
35°	1996.3	1998.4	2003.9	2018.0	2020.1
37.5°	1902.8	1913.1	1917.9	1933.1	1934.8
40°	1808.9	1815.4	1829.9	1845.7	1853.3
42.5°	1713.3	1720.8	1729.4	1751.1	1758.0
45°	1617.6	1620.4	1631.1	1652.7	1662.4
47.5°	1511.7	1520.3	1529.6	1548.5	1554.4
50°	1405.8	1415.1	1420.9	1437.8	1449.1
52.5°	1298.8	1307.4	1313.9	1324.2	1335.6
55°	1181.5	1189.8	1200.4	1211.8	1214.5
57.5°	1062.2	1071.4	1078.3	1090.4	1102.7
60°	934.2	944.9	954.1	965.5	977.9
62.5°	815.2	819.7	829.3	848.2	866.1
65°	701.3	707.2	708.9	719.6	737.5
67.5°	606.7	606.7	598.1	601.9	621.9
70°	507.3	503.6	497.0	493.2	509.4
72.5°	426.9	422.0	407.9	401.4	410.0
75°	346.4	341.6	326.4	318.9	319.9
77.5°	278.3	270.7	258.3	245.2	242.5
80°	211.2	208.1	196.1	183.7	174.0
82.5°	149.6	143.1	136.2	128.6	121.1
85°	89.8	88.1	81.5	76.7	70.2
87.5°	36.8	36.8	35.1	33.0	31.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)