

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: P1050770

Luminaire Tested: 24PTR-80-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050770
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-L940-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

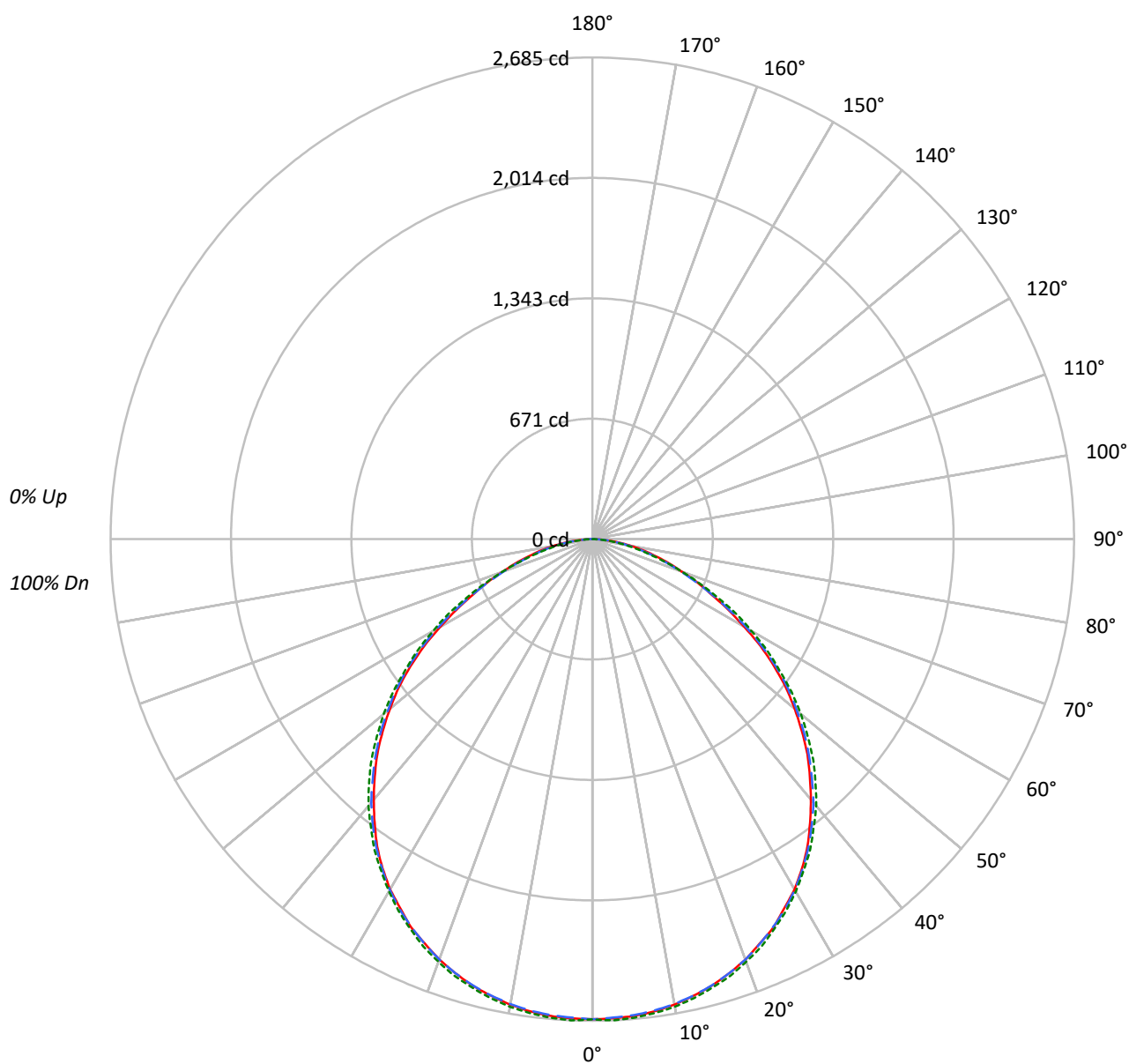
Lumens per Lamp: N/A
Luminaire Lumens: 7054.8 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	100		
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3601	3601	3601
5°	3604	3597	3617
10°	3600	3596	3616
15°	3589	3587	3605
20°	3571	3571	3591
25°	3547	3542	3561
30°	3501	3507	3523
35°	3435	3448	3476
40°	3328	3367	3410
45°	3224	3251	3314
50°	3082	3116	3177
55°	2903	2950	2985
60°	2633	2690	2757
65°	2339	2364	2459
70°	2091	2048	2099
75°	1886	1777	1742
80°	1714	1592	1413
85°	1451	1318	1135

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3314 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.9	3.6
10°-20°	728.1	10.3
20°-30°	1101.4	15.6
30°-40°	1312.8	18.6
40°-50°	1320.1	18.7
50°-60°	1120.4	15.9
60°-70°	746.0	10.6
70°-80°	372.5	5.3
80°-90°	99.6	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°	2083.4	29.5
0°-40°	3396.2	48.1
0°-60°	5836.7	82.7
0°-90°	7054.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7054.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2676	2676	2676	2676	2676	
5°	2668	2669	2663	2675	2678	254
15°	2576	2579	2575	2586	2588	727
25°	2389	2389	2386	2397	2399	1098
35°	2091	2093	2099	2114	2116	1304
45°	1694	1697	1709	1731	1741	1304
55°	1238	1246	1258	1269	1272	1103
65°	735	741	743	754	772	737
75°	363	358	342	334	335	390
85°	94	92	85	80	74	109
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2676.4	2676.4	2676.4	2676.4	2676.4
2.5°	2674.2	2676.4	2669.2	2682.1	2685.4
5°	2668.5	2669.2	2663.4	2675.3	2678.2
7.5°	2655.5	2656.6	2650.4	2663.4	2665.2
10°	2634.6	2636.7	2631.7	2643.6	2646.5
12.5°	2607.9	2610.8	2605.8	2618.7	2620.9
15°	2576.2	2579.1	2575.1	2585.9	2588.1
17.5°	2537.3	2539.5	2537.3	2547.4	2553.2
20°	2493.7	2493.7	2493.7	2502.7	2507.8
22.5°	2439.3	2444.3	2442.2	2454.1	2459.1
25°	2388.9	2388.9	2385.6	2396.8	2398.6
27.5°	2318.2	2326.2	2325.4	2335.2	2337.3
30°	2253.7	2255.9	2257.0	2263.8	2267.8
32.5°	2175.5	2177.3	2180.6	2190.3	2191.4
35°	2091.2	2093.4	2099.2	2113.9	2116.1
37.5°	1993.2	2004.0	2009.1	2024.9	2026.7
40°	1894.9	1901.7	1916.8	1933.4	1941.3
42.5°	1794.7	1802.6	1811.6	1834.3	1841.5
45°	1694.5	1697.4	1708.6	1731.3	1741.4
47.5°	1583.6	1592.6	1602.3	1622.1	1628.2
50°	1472.6	1482.3	1488.4	1506.1	1518.0
52.5°	1360.5	1369.5	1376.4	1387.2	1399.1
55°	1237.7	1246.3	1257.5	1269.4	1272.3
57.5°	1112.6	1122.4	1129.6	1142.2	1155.2
60°	978.6	989.8	999.5	1011.4	1024.4
62.5°	853.9	858.6	868.7	888.5	907.3
65°	734.7	740.8	742.6	753.8	772.5
67.5°	635.6	635.6	626.6	630.5	651.4
70°	531.5	527.5	520.6	516.7	533.6
72.5°	447.1	442.1	427.3	420.5	429.5
75°	362.8	357.8	341.9	334.0	335.1
77.5°	291.5	283.6	270.6	256.9	254.0
80°	221.2	218.0	205.4	192.4	182.3
82.5°	156.7	149.9	142.7	134.8	126.8
85°	94.0	92.2	85.4	80.3	73.5
87.5°	38.6	38.6	36.8	34.6	32.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)