

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: P1050539

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050539
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-80-L940-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

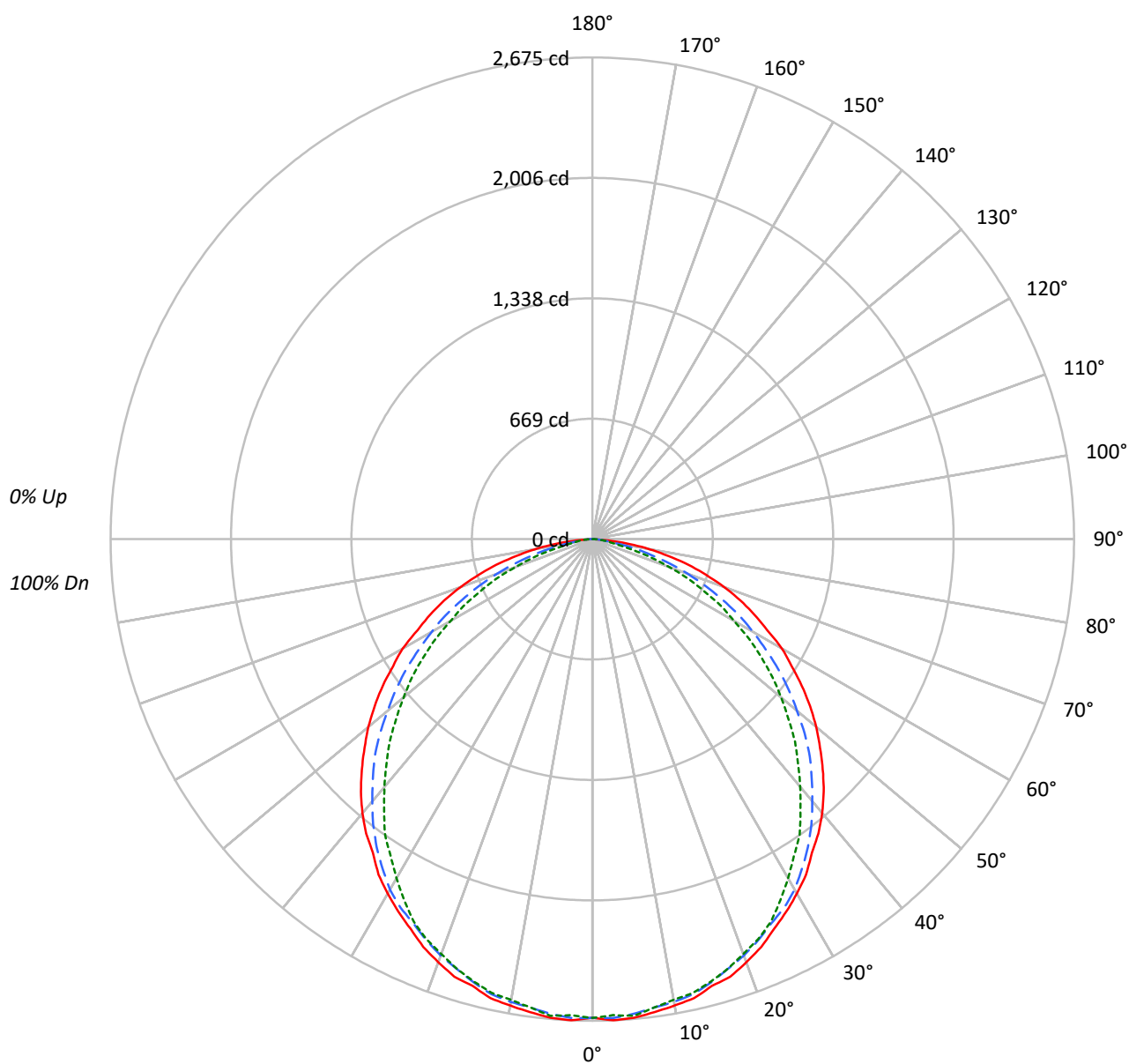
Lumens per Lamp: N/A
Luminaire Lumens: 7082.1 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	3577	3577	3577
5°	3604	3574	3589
10°	3594	3565	3550
15°	3578	3549	3543
20°	3580	3523	3510
25°	3545	3494	3482
30°	3530	3491	3378
35°	3491	3428	3296
40°	3488	3338	3154
45°	3444	3251	3028
50°	3397	3106	2864
55°	3332	2961	2689
60°	3273	2770	2442
65°	3161	2541	2183
70°	3059	2212	1782
75°	2873	1745	1226
80°	2491	1055	736
85°	1663	758	709

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3444 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.0	3.6
10°-20°	721.2	10.2
20°-30°	1089.4	15.4
30°-40°	1295.2	18.3
40°-50°	1313.6	18.5
50°-60°	1140.7	16.1
60°-70°	809.8	11.4
70°-80°	387.0	5.5
80°-90°	73.3	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°	2062.6	29.1
0°-40°	3357.8	47.4
0°-60°	5812.1	82.1
0°-90°	7082.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7082.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2659	2659	2659	2659	2659	
5°	2668	2659	2646	2652	2657	253
15°	2568	2575	2548	2545	2543	728
25°	2388	2385	2353	2363	2345	1103
35°	2125	2122	2087	2016	2006	1335
45°	1810	1794	1709	1618	1592	1396
55°	1420	1378	1262	1188	1146	1269
65°	993	918	798	713	686	983
75°	553	451	336	266	236	580
85°	108	57	49	48	46	136
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2658.8	2658.8	2658.8	2658.8	2658.8
2.5°	2674.6	2665.1	2662.0	2673.0	2646.1
5°	2668.3	2658.8	2646.1	2652.5	2657.2
7.5°	2649.3	2641.4	2623.9	2638.2	2623.9
10°	2630.3	2622.4	2609.7	2614.4	2598.6
12.5°	2611.3	2592.3	2589.1	2592.3	2581.2
15°	2568.5	2574.9	2547.9	2544.8	2543.2
17.5°	2547.9	2532.1	2503.6	2505.2	2502.0
20°	2500.4	2481.4	2460.8	2457.7	2451.3
22.5°	2451.3	2429.2	2410.2	2419.7	2405.4
25°	2388.0	2384.8	2353.2	2362.7	2345.2
27.5°	2332.6	2321.5	2307.2	2286.7	2261.3
30°	2272.4	2261.3	2247.1	2193.2	2174.2
32.5°	2209.1	2196.4	2167.9	2104.5	2084.0
35°	2125.1	2122.0	2087.1	2015.9	2006.4
37.5°	2061.8	2026.9	1998.4	1925.6	1898.7
40°	1985.8	1966.8	1900.3	1830.6	1795.7
42.5°	1901.8	1879.7	1803.7	1729.2	1691.2
45°	1810.0	1794.2	1708.7	1618.4	1591.5
47.5°	1715.0	1700.7	1599.4	1512.3	1477.5
50°	1623.1	1605.7	1483.8	1399.9	1368.2
52.5°	1523.4	1494.9	1374.5	1292.2	1262.1
55°	1420.4	1377.7	1262.1	1187.7	1146.5
57.5°	1311.2	1271.6	1143.3	1065.7	1032.5
60°	1216.2	1160.7	1029.3	950.1	907.4
62.5°	1094.2	1046.7	921.6	828.2	807.6
65°	992.9	918.5	798.1	712.6	685.7
67.5°	890.0	802.9	680.9	593.8	579.6
70°	777.5	687.3	562.2	476.6	452.9
72.5°	663.5	574.8	452.9	362.6	348.4
75°	552.7	451.3	335.7	266.0	235.9
77.5°	432.3	340.5	235.9	163.1	144.1
80°	321.5	229.6	136.2	96.6	95.0
82.5°	210.6	133.0	72.8	74.4	71.3
85°	107.7	57.0	49.1	47.5	45.9
87.5°	20.6	22.2	23.8	23.8	23.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)