

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: P1050913

Luminaire Tested: 24PTR-80-PP3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050913
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-80-PP3-L935-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

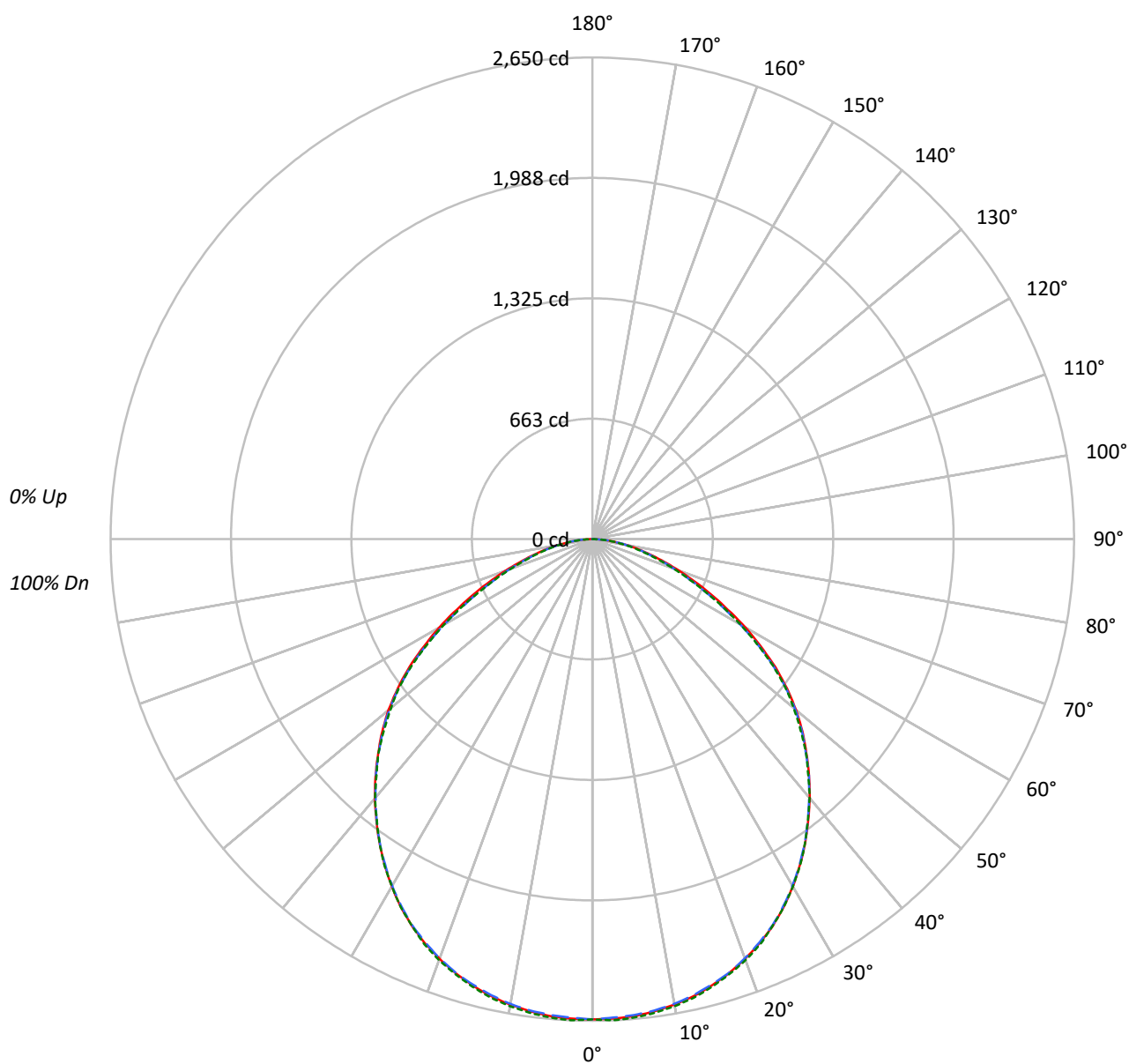
Lumens per Lamp: N/A
Luminaire Lumens: 6825.9 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3555	3555	3555
5°	3558	3550	3569
10°	3553	3548	3565
15°	3541	3534	3550
20°	3518	3515	3530
25°	3487	3481	3485
30°	3428	3421	3428
35°	3353	3349	3351
40°	3267	3257	3266
45°	3169	3160	3164
50°	3063	3049	3027
55°	2884	2850	2841
60°	2617	2529	2534
65°	2299	2183	2180
70°	1987	1897	1875
75°	1719	1656	1619
80°	1523	1501	1433
85°	1258	1301	1226

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3181 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.5	3.7
10°-20°	717.8	10.5
20°-30°	1080.6	15.8
30°-40°	1275.4	18.7
40°-50°	1282.7	18.8
50°-60°	1082.9	15.9
60°-70°	695.4	10.2
70°-80°	345.9	5.1
80°-90°	94.8	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°	2048.9	30.0
0°-40°	3324.3	48.7
0°-60°	5689.8	83.4
0°-90°	6825.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6825.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2642	2642	2642	2642	2642	
5°	2634	2635	2628	2641	2642	250
15°	2542	2543	2537	2549	2549	717
25°	2348	2349	2345	2349	2347	1081
35°	2042	2042	2039	2040	2040	1276
45°	1666	1672	1661	1663	1663	1285
55°	1229	1228	1215	1210	1211	1093
65°	722	712	686	679	685	720
75°	331	329	318	315	312	358
85°	82	84	84	79	79	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2641.8	2641.8	2641.8	2641.8	2641.8
2.5°	2640.8	2641.8	2634.9	2647.4	2649.5
5°	2634.2	2634.9	2628.3	2640.8	2642.5
7.5°	2620.6	2621.6	2615.7	2627.2	2629.3
10°	2600.4	2603.5	2596.6	2607.4	2609.1
12.5°	2575.6	2576.7	2569.7	2582.3	2584.4
15°	2542.2	2542.9	2537.3	2548.8	2548.8
17.5°	2503.5	2504.6	2500.7	2510.5	2509.4
20°	2456.8	2459.6	2454.7	2461.4	2465.2
22.5°	2406.0	2407.0	2401.1	2409.8	2413.6
25°	2348.5	2349.2	2344.6	2349.2	2347.4
27.5°	2281.2	2283.0	2276.3	2281.2	2282.3
30°	2206.3	2211.2	2201.8	2205.6	2206.3
32.5°	2125.8	2128.6	2122.0	2123.0	2127.9
35°	2041.5	2042.5	2038.7	2040.4	2040.4
37.5°	1950.6	1954.4	1948.5	1951.2	1947.4
40°	1860.3	1856.5	1854.4	1856.5	1859.3
42.5°	1765.2	1766.2	1763.4	1761.3	1756.8
45°	1665.5	1671.5	1660.7	1662.7	1662.7
47.5°	1568.0	1568.7	1563.1	1557.2	1553.3
50°	1463.4	1463.4	1456.5	1451.9	1446.0
52.5°	1349.1	1347.4	1339.7	1334.9	1337.6
55°	1229.3	1228.2	1215.0	1210.1	1211.2
57.5°	1097.9	1100.0	1079.8	1074.9	1074.9
60°	972.5	962.7	939.7	933.1	941.5
62.5°	840.8	829.3	804.5	804.5	811.2
65°	722.0	711.5	685.7	678.8	684.7
67.5°	610.8	601.1	577.4	573.5	575.3
70°	505.2	496.9	482.2	473.5	476.7
72.5°	414.3	406.6	396.9	390.2	386.4
75°	330.7	328.9	318.5	315.3	311.5
77.5°	261.7	261.0	252.3	248.4	244.6
80°	196.5	195.5	193.7	187.8	185.0
82.5°	140.1	140.1	139.0	134.1	131.4
85°	81.5	84.3	84.3	79.4	79.4
87.5°	32.8	34.5	32.8	32.8	31.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)