

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: P1050915

Luminaire Tested: 24PTR-90-PP3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050915
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-90-PP3-L935-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

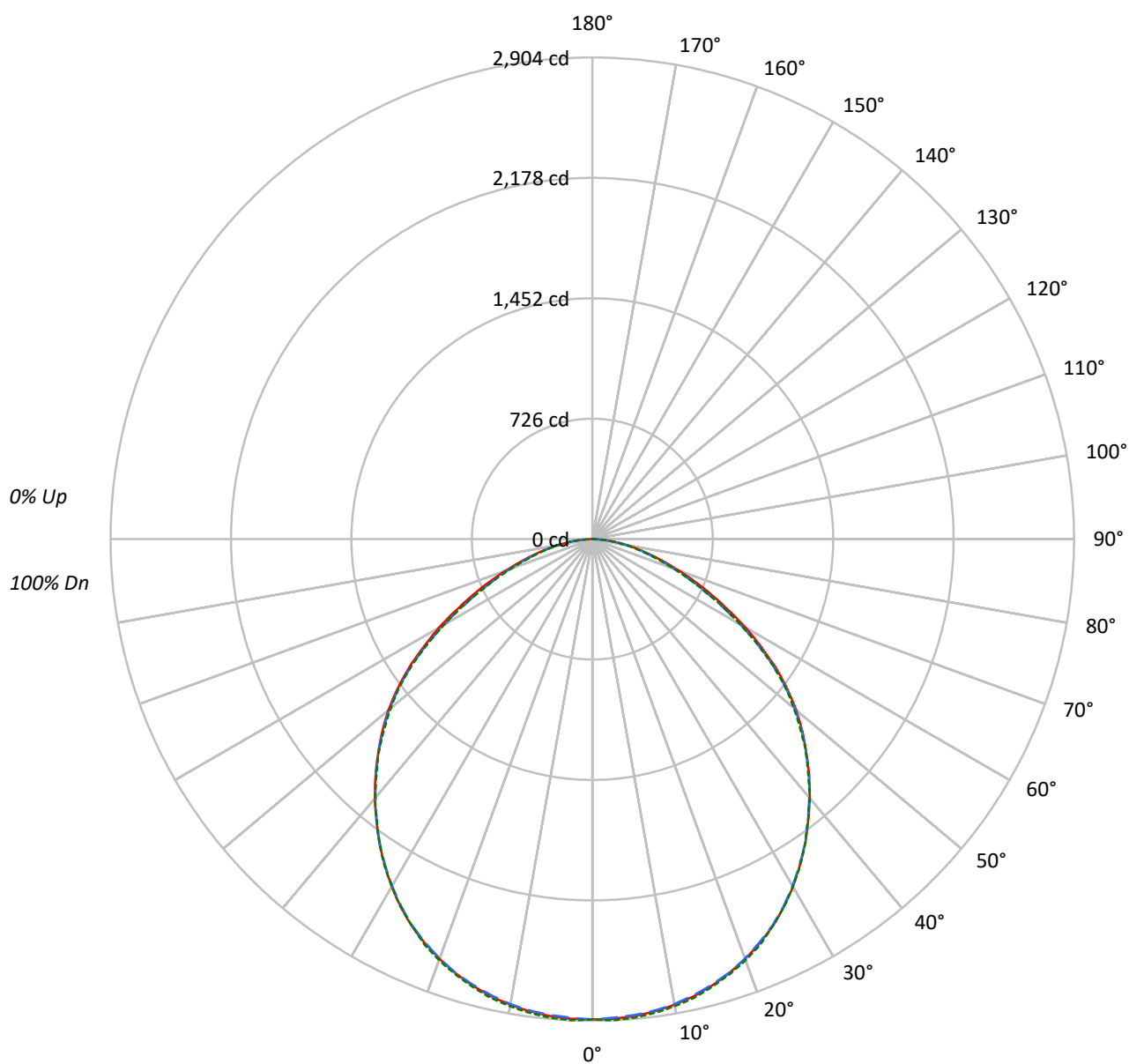
Lumens per Lamp: N/A
Luminaire Lumens: 7481.6 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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°	3896	3896	3896
5°	3900	3891	3912
10°	3894	3888	3907
15°	3881	3874	3891
20°	3856	3852	3869
25°	3821	3815	3820
30°	3757	3749	3757
35°	3675	3670	3674
40°	3581	3570	3579
45°	3474	3463	3468
50°	3358	3342	3318
55°	3161	3124	3114
60°	2868	2772	2777
65°	2519	2393	2389
70°	2179	2079	2055
75°	1884	1815	1775
80°	1669	1645	1571
85°	1380	1426	1345

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3486 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.6	3.7
10°-20°	786.7	10.5
20°-30°	1184.4	15.8
30°-40°	1397.9	18.7
40°-50°	1405.9	18.8
50°-60°	1186.9	15.9
60°-70°	762.2	10.2
70°-80°	379.1	5.1
80°-90°	103.9	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°	2245.7	30.0
0°-40°	3643.6	48.7
0°-60°	6236.4	83.4
0°-90°	7481.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7481.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2896	2896	2896	2896	2896	
5°	2887	2888	2881	2894	2896	274
15°	2786	2787	2781	2794	2794	786
25°	2574	2575	2570	2575	2573	1184
35°	2238	2239	2235	2236	2236	1398
45°	1826	1832	1820	1822	1822	1409
55°	1347	1346	1332	1326	1328	1199
65°	791	780	752	744	750	789
75°	362	360	349	346	341	392
85°	89	92	92	87	87	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2895.6	2895.6	2895.6	2895.6	2895.6
2.5°	2894.5	2895.6	2888.0	2901.7	2904.0
5°	2887.2	2888.0	2880.7	2894.5	2896.4
7.5°	2872.3	2873.5	2867.0	2879.6	2881.9
10°	2850.2	2853.6	2846.0	2857.8	2859.7
12.5°	2823.1	2824.2	2816.6	2830.3	2832.6
15°	2786.4	2787.2	2781.1	2793.7	2793.7
17.5°	2744.0	2745.2	2741.0	2751.7	2750.5
20°	2692.8	2695.9	2690.5	2697.8	2702.0
22.5°	2637.1	2638.2	2631.7	2641.3	2645.5
25°	2574.1	2574.8	2569.9	2574.8	2572.9
27.5°	2500.4	2502.3	2495.0	2500.4	2501.5
30°	2418.2	2423.6	2413.3	2417.5	2418.2
32.5°	2330.0	2333.1	2325.8	2327.0	2332.3
35°	2237.6	2238.8	2234.6	2236.5	2236.5
37.5°	2137.9	2142.1	2135.6	2138.7	2134.5
40°	2039.0	2034.8	2032.5	2034.8	2037.9
42.5°	1934.8	1935.9	1932.8	1930.6	1925.6
45°	1825.5	1832.0	1820.2	1822.5	1822.5
47.5°	1718.6	1719.4	1713.2	1706.8	1702.6
50°	1604.0	1604.0	1596.4	1591.4	1584.9
52.5°	1478.8	1476.8	1468.4	1463.1	1466.1
55°	1347.4	1346.2	1331.7	1326.4	1327.5
57.5°	1203.4	1205.7	1183.5	1178.2	1178.2
60°	1065.9	1055.2	1030.0	1022.8	1031.9
62.5°	921.5	908.9	881.8	881.8	889.1
65°	791.3	779.9	751.6	744.0	750.5
67.5°	669.5	658.8	632.8	628.6	630.5
70°	553.8	544.6	528.6	519.0	522.5
72.5°	454.1	445.7	435.0	427.7	423.5
75°	362.4	360.5	349.1	345.6	341.4
77.5°	286.8	286.0	276.5	272.3	268.1
80°	215.4	214.3	212.3	205.8	202.8
82.5°	153.5	153.5	152.4	147.0	144.0
85°	89.4	92.4	92.4	87.1	87.1
87.5°	35.9	37.8	35.9	35.9	34.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)