

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: P1050673

Luminaire Tested: 24PTR-90-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-90-PC3-L930-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

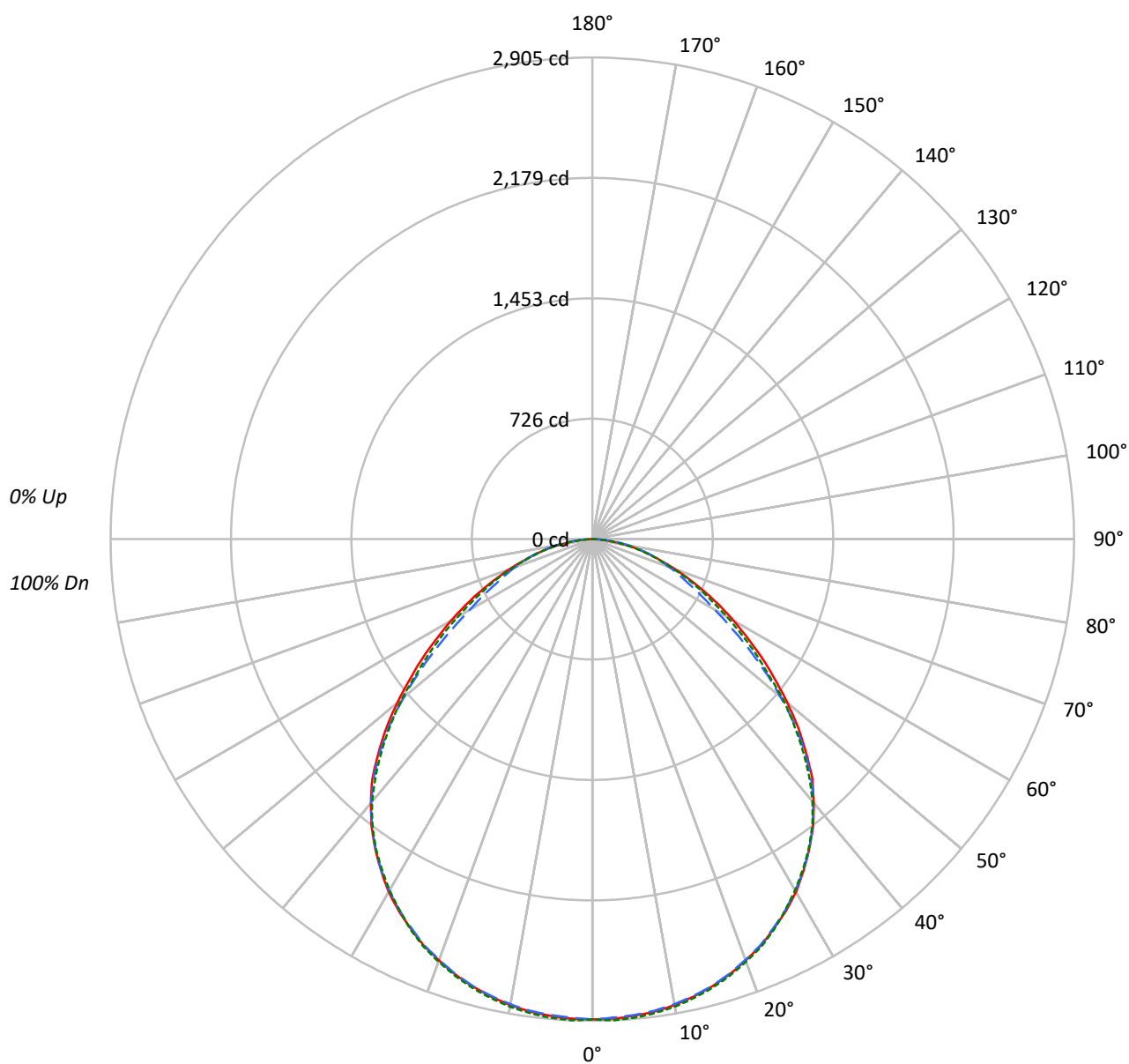
Lumens per Lamp: N/A
Luminaire Lumens: 7303.1 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3898	3898	3898
5°	3899	3892	3914
10°	3899	3891	3912
15°	3889	3885	3902
20°	3872	3866	3883
25°	3846	3839	3855
30°	3817	3804	3798
35°	3748	3744	3737
40°	3648	3643	3627
45°	3470	3444	3409
50°	3212	3104	3139
55°	2931	2693	2814
60°	2643	2298	2520
65°	2362	2055	2266
70°	2096	1945	2038
75°	1853	1884	1816
80°	1598	1800	1590
85°	1196	1423	1196

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3478 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.8	3.8
10°-20°	788.6	10.8
20°-30°	1194.0	16.3
30°-40°	1423.5	19.5
40°-50°	1390.9	19.0
50°-60°	1063.6	14.6
60°-70°	682.9	9.4
70°-80°	379.9	5.2
80°-90°	104.9	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°	2257.4	30.9
0°-40°	3680.9	50.4
0°-60°	6135.4	84.0
0°-90°	7303.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7303.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2897	2897	2897	2897	2897	
5°	2887	2888	2881	2895	2898	275
15°	2792	2794	2789	2798	2802	788
25°	2590	2593	2586	2594	2596	1195
35°	2282	2284	2279	2278	2275	1425
45°	1824	1828	1810	1806	1792	1403
55°	1249	1206	1148	1162	1200	1117
65°	742	685	646	667	712	740
75°	356	360	362	358	349	381
85°	78	91	92	89	78	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2896.8	2896.8	2896.8	2896.8	2896.8
2.5°	2894.9	2896.0	2888.5	2900.9	2905.1
5°	2886.6	2888.5	2881.3	2894.9	2897.9
7.5°	2874.2	2876.1	2868.9	2882.5	2883.6
10°	2853.5	2854.6	2848.2	2861.8	2863.6
12.5°	2825.6	2828.6	2821.5	2833.9	2834.7
15°	2792.1	2794.4	2789.1	2798.5	2801.5
17.5°	2753.0	2754.1	2748.8	2759.0	2760.1
20°	2704.0	2704.0	2699.9	2711.6	2711.6
22.5°	2654.3	2651.3	2650.2	2654.3	2660.7
25°	2590.3	2593.4	2586.2	2594.5	2596.4
27.5°	2528.2	2528.2	2521.8	2526.0	2520.7
30°	2456.7	2452.6	2448.4	2449.2	2444.3
32.5°	2370.5	2370.5	2368.6	2368.6	2362.2
35°	2281.7	2283.5	2279.4	2278.3	2275.3
37.5°	2186.0	2189.4	2181.9	2180.0	2177.8
40°	2077.2	2077.2	2074.2	2070.1	2064.8
42.5°	1964.3	1964.3	1951.1	1940.6	1933.4
45°	1823.5	1827.7	1810.0	1805.8	1791.5
47.5°	1683.5	1680.5	1656.7	1653.7	1645.5
50°	1534.4	1516.7	1482.8	1491.9	1499.4
52.5°	1385.3	1363.5	1313.8	1324.0	1336.4
55°	1249.4	1206.1	1148.2	1162.5	1199.7
57.5°	1107.5	1049.5	991.6	1018.7	1065.0
60°	982.2	917.0	853.8	882.8	936.6
62.5°	862.1	792.8	742.0	769.8	815.4
65°	742.0	684.8	645.6	667.1	711.9
67.5°	632.1	593.7	566.9	577.1	613.2
70°	532.7	508.6	494.3	497.3	518.0
72.5°	438.2	432.2	426.9	426.9	428.8
75°	356.5	359.5	362.5	357.6	349.3
77.5°	280.8	291.0	298.5	288.0	277.8
80°	206.3	222.9	232.3	220.6	205.2
82.5°	140.8	159.6	162.6	155.5	137.8
85°	77.5	91.1	92.2	89.2	77.5
87.5°	29.0	34.3	37.3	34.3	30.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)