

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: P1050956

Luminaire Tested: 24PTR-72-PR1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PR1-L840-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

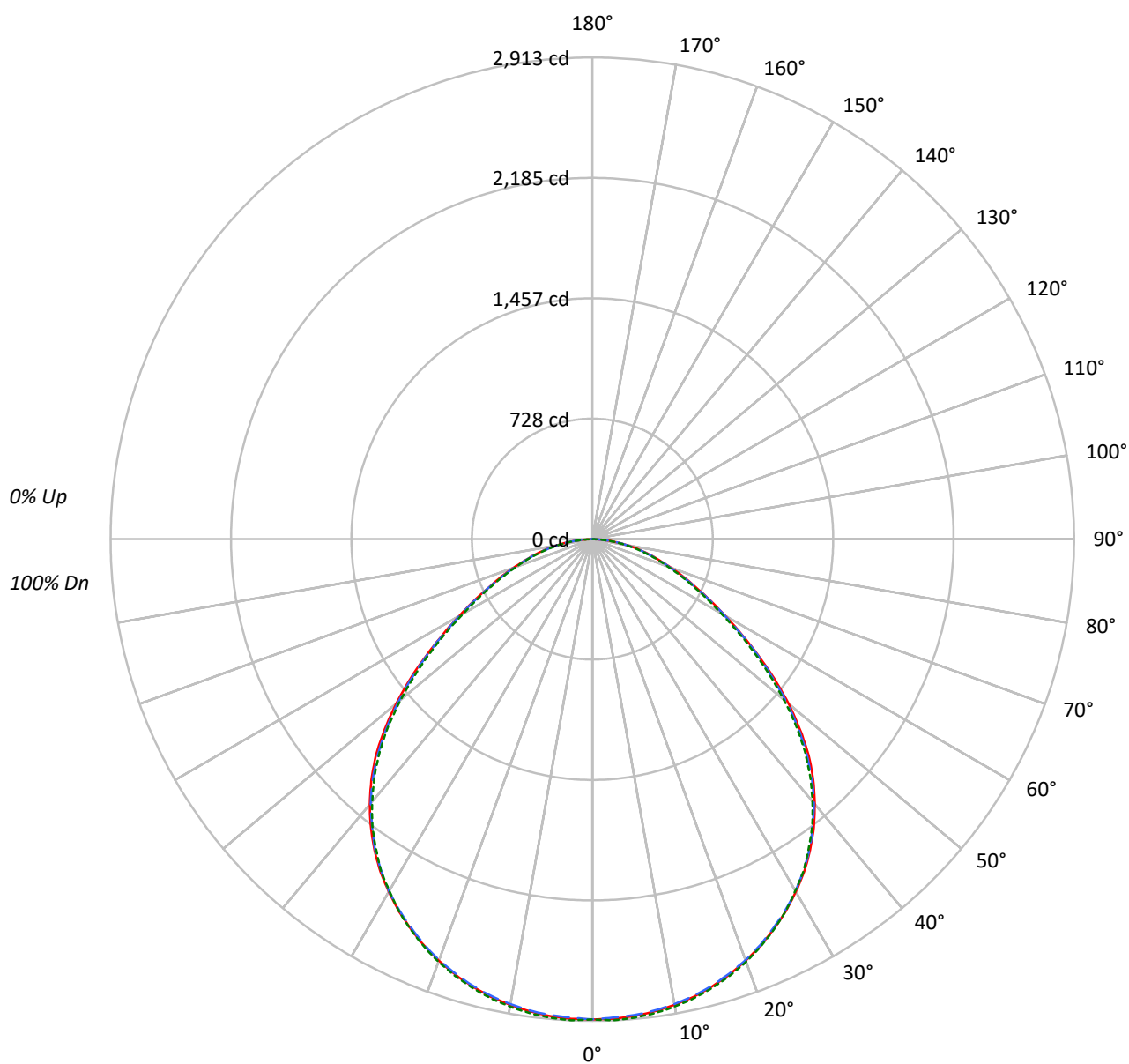
Lumens per Lamp: N/A
Luminaire Lumens: 7344.9 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
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	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3908	3908	3908
5°	3911	3903	3924
10°	3908	3901	3922
15°	3901	3895	3913
20°	3884	3880	3895
25°	3859	3850	3863
30°	3825	3820	3815
35°	3772	3763	3748
40°	3677	3662	3636
45°	3523	3484	3459
50°	3242	3206	3166
55°	2869	2857	2801
60°	2493	2484	2417
65°	2197	2184	2141
70°	1994	1965	1925
75°	1846	1803	1770
80°	1685	1661	1606
85°	1331	1320	1267

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.5	3.8
10°-20°	790.7	10.8
20°-30°	1197.9	16.3
30°-40°	1430.0	19.5
40°-50°	1406.3	19.1
50°-60°	1087.0	14.8
60°-70°	685.4	9.3
70°-80°	370.7	5.0
80°-90°	101.3	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°	2264.1	30.8
0°-40°	3694.2	50.3
0°-60°	6187.5	84.2
0°-90°	7344.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7344.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2904	2904	2904	2904	2904	
5°	2896	2897	2890	2902	2905	275
15°	2800	2801	2796	2805	2809	790
25°	2599	2601	2593	2601	2602	1198
35°	2296	2297	2291	2288	2282	1434
45°	1852	1844	1831	1816	1818	1418
55°	1223	1233	1218	1198	1194	1098
65°	690	691	686	674	672	694
75°	355	351	347	349	340	377
85°	86	87	86	86	82	103
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2904.3	2904.3	2904.3	2904.3	2904.3
2.5°	2903.1	2904.3	2895.9	2909.6	2912.6
5°	2895.9	2897.1	2889.5	2902.0	2905.4
7.5°	2881.2	2883.5	2876.3	2888.8	2891.8
10°	2860.4	2862.7	2855.5	2868.0	2871.0
12.5°	2834.7	2835.4	2829.4	2840.7	2843.7
15°	2800.3	2801.0	2796.1	2805.2	2809.3
17.5°	2760.5	2761.7	2754.5	2765.8	2767.7
20°	2712.9	2713.6	2709.5	2718.9	2720.1
22.5°	2659.6	2661.8	2655.4	2663.7	2664.9
25°	2599.4	2601.3	2593.0	2601.3	2602.4
27.5°	2535.9	2536.6	2529.5	2535.9	2534.8
30°	2461.8	2468.2	2458.7	2456.5	2455.7
32.5°	2385.0	2385.7	2376.7	2374.4	2378.6
35°	2296.5	2297.2	2291.2	2288.2	2281.7
37.5°	2199.7	2199.7	2187.9	2186.0	2184.9
40°	2093.4	2092.2	2085.1	2077.9	2070.3
42.5°	1977.7	1979.9	1965.2	1952.7	1950.8
45°	1851.7	1844.5	1830.9	1816.5	1817.7
47.5°	1703.1	1705.0	1686.4	1674.7	1671.7
50°	1548.8	1548.8	1531.4	1518.9	1512.5
52.5°	1387.6	1388.8	1372.1	1355.5	1352.1
55°	1223.1	1233.3	1217.8	1198.2	1194.0
57.5°	1069.2	1077.5	1062.8	1042.0	1040.8
60°	926.6	927.4	923.2	903.5	898.2
62.5°	804.8	799.5	797.3	787.1	780.6
65°	690.2	691.4	686.1	674.3	672.5
67.5°	597.6	596.4	587.0	579.8	575.6
70°	506.8	503.8	499.6	493.6	489.4
72.5°	425.9	425.9	422.5	420.6	413.4
75°	355.1	351.0	346.8	348.7	340.4
77.5°	287.4	283.3	279.9	275.7	273.8
80°	217.5	213.3	214.4	208.0	207.3
82.5°	150.9	150.9	149.0	143.7	144.9
85°	86.2	87.4	85.5	86.2	82.1
87.5°	31.4	32.1	34.4	32.1	32.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)