

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: P1050934

Luminaire Tested: 24PTR-72-PR1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050934
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-L830-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

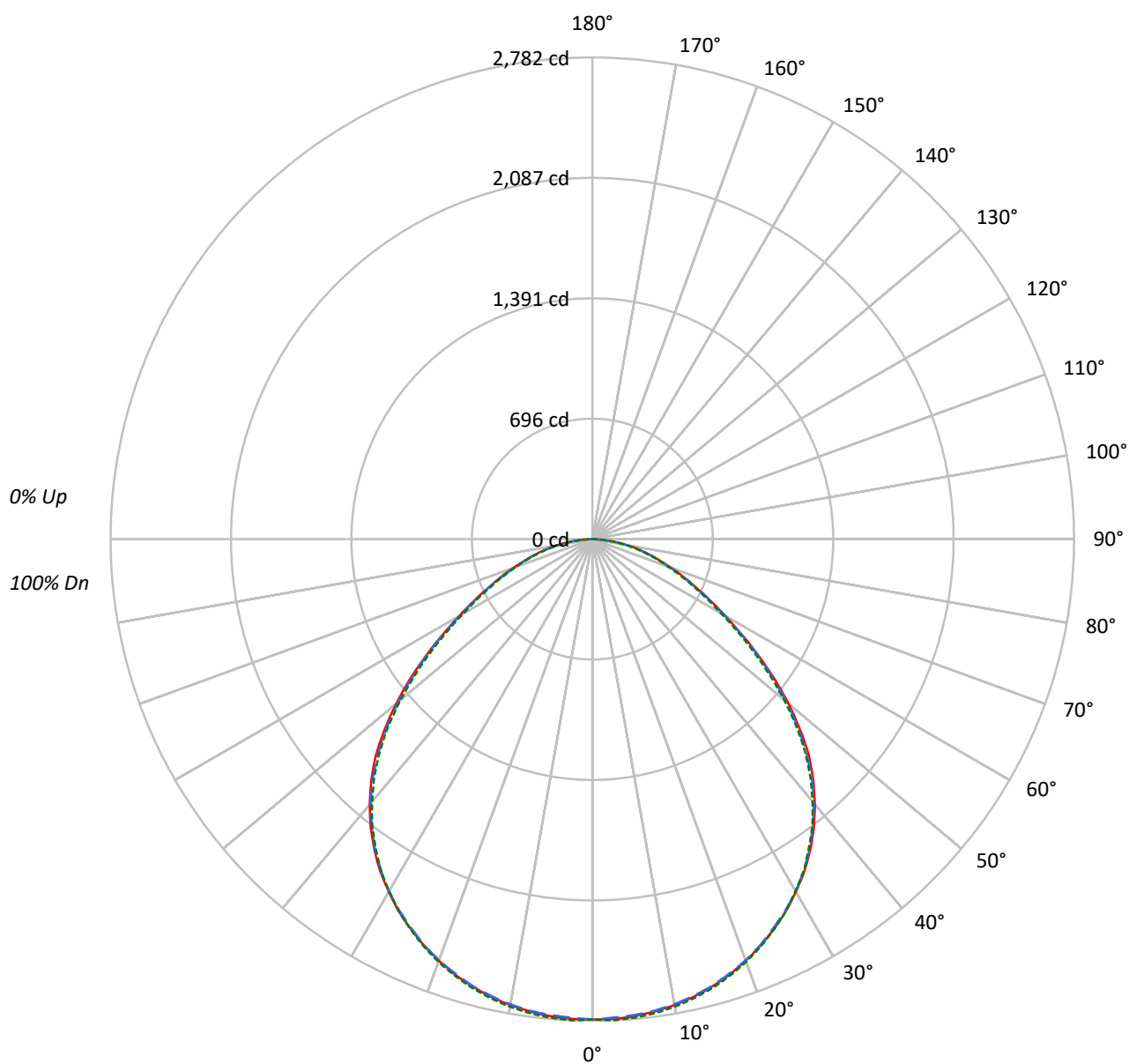
Lumens per Lamp: N/A
Luminaire Lumens: 7016.0 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3733	3733	3733
5°	3736	3728	3748
10°	3733	3727	3747
15°	3726	3720	3738
20°	3710	3706	3720
25°	3686	3677	3691
30°	3653	3649	3645
35°	3603	3595	3580
40°	3512	3498	3473
45°	3366	3328	3304
50°	3097	3062	3024
55°	2741	2729	2675
60°	2382	2373	2309
65°	2099	2087	2045
70°	1904	1877	1839
75°	1763	1722	1690
80°	1609	1587	1534
85°	1272	1260	1210

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3366 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.1	3.8
10°-20°	755.3	10.8
20°-30°	1144.3	16.3
30°-40°	1366.0	19.5
40°-50°	1343.4	19.1
50°-60°	1038.3	14.8
60°-70°	654.7	9.3
70°-80°	354.1	5.0
80°-90°	96.7	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°	2162.8	30.8
0°-40°	3528.8	50.3
0°-60°	5910.4	84.2
0°-90°	7016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7016.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2774	2774	2774	2774	2774	
5°	2766	2767	2760	2772	2775	263
15°	2675	2676	2671	2680	2684	755
25°	2483	2485	2477	2485	2486	1144
35°	2194	2194	2189	2186	2180	1370
45°	1769	1762	1749	1735	1736	1354
55°	1168	1178	1163	1144	1140	1048
65°	659	660	655	644	642	663
75°	339	335	331	333	325	360
85°	82	84	82	82	78	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2774.2	2774.2	2774.2	2774.2	2774.2
2.5°	2773.2	2774.2	2766.3	2779.3	2782.2
5°	2766.3	2767.4	2760.1	2772.1	2775.3
7.5°	2752.2	2754.4	2747.5	2759.4	2762.3
10°	2732.3	2734.5	2727.6	2739.6	2742.4
12.5°	2707.8	2708.5	2702.7	2713.5	2716.4
15°	2674.9	2675.6	2670.9	2679.6	2683.6
17.5°	2637.0	2638.0	2631.2	2642.0	2643.8
20°	2591.4	2592.2	2588.2	2597.2	2598.3
22.5°	2540.5	2542.7	2536.5	2544.5	2545.5
25°	2483.0	2484.9	2476.9	2484.9	2485.9
27.5°	2422.4	2423.1	2416.2	2422.4	2421.3
30°	2351.5	2357.7	2348.7	2346.5	2345.8
32.5°	2278.2	2278.9	2270.3	2268.1	2272.1
35°	2193.7	2194.4	2188.6	2185.7	2179.6
37.5°	2101.2	2101.2	2090.0	2088.2	2087.1
40°	1999.7	1998.6	1991.7	1984.8	1977.6
42.5°	1889.1	1891.3	1877.2	1865.3	1863.5
45°	1768.8	1761.9	1748.9	1735.2	1736.3
47.5°	1626.8	1628.6	1610.9	1599.7	1596.8
50°	1479.4	1479.4	1462.8	1450.9	1444.7
52.5°	1325.5	1326.6	1310.7	1294.8	1291.6
55°	1168.4	1178.1	1163.3	1144.5	1140.5
57.5°	1021.3	1029.3	1015.2	995.3	994.2
60°	885.1	885.8	881.9	863.1	858.0
62.5°	768.8	763.7	761.6	751.8	745.7
65°	659.3	660.4	655.4	644.2	642.3
67.5°	570.8	569.7	560.7	553.8	549.9
70°	484.1	481.2	477.2	471.5	467.5
72.5°	406.8	406.8	403.5	401.7	394.9
75°	339.2	335.3	331.3	333.1	325.1
77.5°	274.6	270.6	267.3	263.4	261.6
80°	207.7	203.8	204.8	198.7	198.0
82.5°	144.1	144.1	142.3	137.3	138.4
85°	82.4	83.5	81.6	82.4	78.4
87.5°	30.0	30.7	32.9	30.7	30.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)