

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: P1050670

Luminaire Tested: 24PTR-72-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050670
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-72-PC3-L930-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

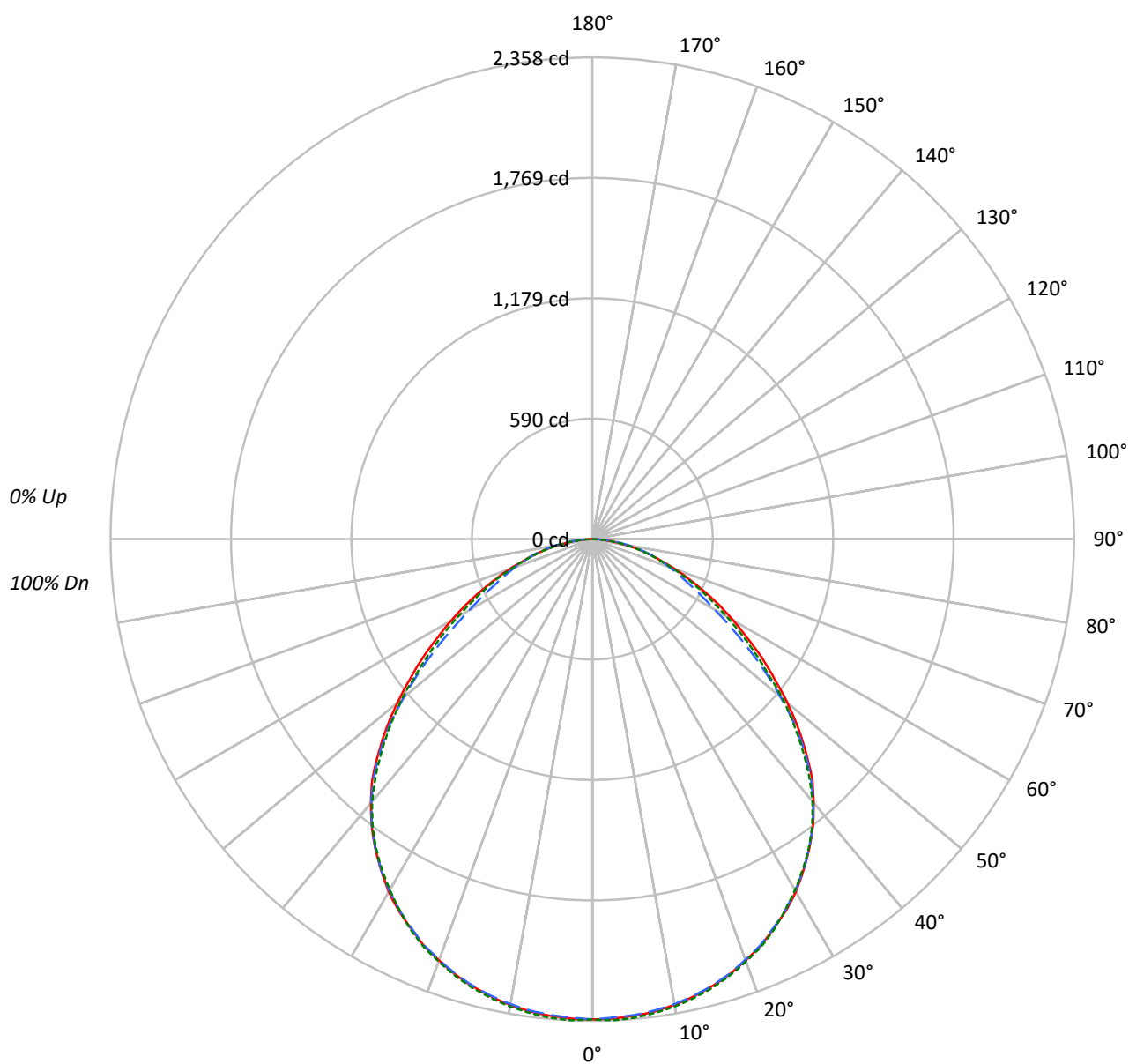
Lumens per Lamp: N/A
Luminaire Lumens: 5926.7 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	3163	3163	3163
5°	3164	3158	3176
10°	3164	3158	3175
15°	3156	3153	3167
20°	3142	3137	3151
25°	3121	3116	3128
30°	3097	3087	3082
35°	3041	3038	3033
40°	2961	2957	2943
45°	2816	2795	2766
50°	2606	2519	2547
55°	2379	2186	2284
60°	2145	1865	2045
65°	1917	1668	1839
70°	1701	1578	1654
75°	1504	1529	1474
80°	1297	1461	1290
85°	971	1155	971

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2822 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.0	3.8
10°-20°	640.0	10.8
20°-30°	969.0	16.3
30°-40°	1155.2	19.5
40°-50°	1128.8	19.0
50°-60°	863.1	14.6
60°-70°	554.2	9.4
70°-80°	308.3	5.2
80°-90°	85.1	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°	1831.9	30.9
0°-40°	2987.2	50.4
0°-60°	4979.1	84.0
0°-90°	5926.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5926.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2351	2351	2351	2351	2351	
5°	2343	2344	2338	2349	2352	223
15°	2266	2268	2263	2271	2274	639
25°	2102	2105	2099	2106	2107	970
35°	1852	1853	1850	1849	1846	1157
45°	1480	1483	1469	1466	1454	1139
55°	1014	979	932	943	974	906
65°	602	556	524	541	578	601
75°	289	292	294	290	284	309
85°	63	74	75	72	63	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2350.8	2350.8	2350.8	2350.8	2350.8
2.5°	2349.3	2350.2	2344.1	2354.2	2357.5
5°	2342.6	2344.1	2338.3	2349.3	2351.7
7.5°	2332.5	2334.0	2328.2	2339.2	2340.1
10°	2315.7	2316.6	2311.4	2322.4	2323.9
12.5°	2293.1	2295.5	2289.7	2299.8	2300.4
15°	2265.9	2267.7	2263.4	2271.1	2273.5
17.5°	2234.1	2235.0	2230.8	2239.0	2239.9
20°	2194.4	2194.4	2191.0	2200.5	2200.5
22.5°	2154.1	2151.6	2150.7	2154.1	2159.3
25°	2102.1	2104.6	2098.8	2105.5	2107.0
27.5°	2051.7	2051.7	2046.5	2049.9	2045.6
30°	1993.7	1990.3	1987.0	1987.6	1983.6
32.5°	1923.7	1923.7	1922.2	1922.2	1917.0
35°	1851.6	1853.2	1849.8	1848.9	1846.4
37.5°	1774.0	1776.8	1770.7	1769.1	1767.3
40°	1685.7	1685.7	1683.3	1679.9	1675.7
42.5°	1594.1	1594.1	1583.4	1574.8	1569.0
45°	1479.8	1483.2	1468.8	1465.5	1453.9
47.5°	1366.2	1363.7	1344.5	1342.1	1335.3
50°	1245.2	1230.9	1203.4	1210.7	1216.8
52.5°	1124.2	1106.5	1066.2	1074.4	1084.5
55°	1014.0	978.8	931.8	943.4	973.6
57.5°	898.8	851.7	804.7	826.7	864.3
60°	797.0	744.2	692.9	716.4	760.1
62.5°	699.6	643.4	602.1	624.7	661.7
65°	602.1	555.7	523.9	541.3	577.7
67.5°	512.9	481.8	460.1	468.3	497.7
70°	432.3	412.7	401.1	403.6	420.4
72.5°	355.6	350.7	346.4	346.4	348.0
75°	289.3	291.8	294.2	290.2	283.5
77.5°	227.9	236.2	242.3	233.7	225.5
80°	167.4	180.9	188.5	179.0	166.5
82.5°	114.3	129.5	132.0	126.2	111.8
85°	62.9	73.9	74.8	72.4	62.9
87.5°	23.5	27.8	30.2	27.8	24.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)