

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: P1050978

Luminaire Tested: 24PTR-72-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050978
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-L930-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

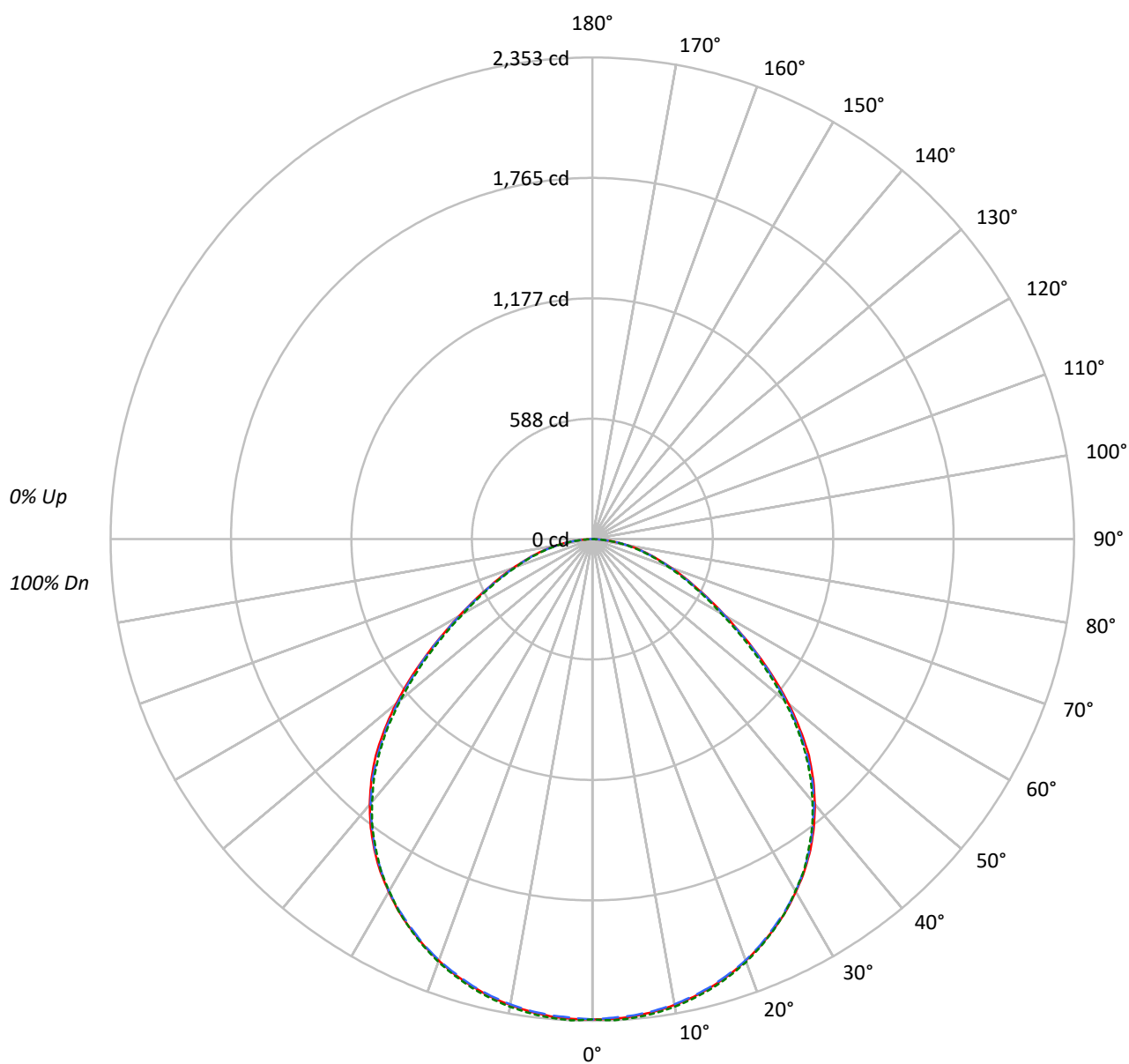
Lumens per Lamp: N/A
Luminaire Lumens: 5934.5 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3157	3157	3157
5°	3160	3153	3171
10°	3158	3152	3169
15°	3152	3147	3162
20°	3138	3135	3147
25°	3118	3110	3122
30°	3090	3086	3083
35°	3048	3041	3028
40°	2971	2959	2938
45°	2847	2815	2794
50°	2619	2590	2558
55°	2318	2308	2263
60°	2015	2007	1953
65°	1776	1765	1730
70°	1611	1588	1555
75°	1491	1457	1430
80°	1361	1343	1298
85°	1076	1067	1024

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2847 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.6	3.8
10°-20°	638.9	10.8
20°-30°	967.9	16.3
30°-40°	1155.4	19.5
40°-50°	1136.3	19.1
50°-60°	878.2	14.8
60°-70°	553.8	9.3
70°-80°	299.5	5.0
80°-90°	81.8	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°	1829.3	30.8
0°-40°	2984.8	50.3
0°-60°	4999.3	84.2
0°-90°	5934.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5934.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2347	2347	2347	2347	2347	
5°	2340	2341	2335	2345	2348	222
15°	2262	2263	2259	2266	2270	639
25°	2100	2102	2095	2102	2103	968
35°	1856	1856	1851	1849	1844	1159
45°	1496	1490	1479	1468	1469	1146
55°	988	996	984	968	965	887
65°	558	559	554	545	543	561
75°	287	284	280	282	275	305
85°	70	71	69	70	66	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2346.6	2346.6	2346.6	2346.6	2346.6
2.5°	2345.7	2346.6	2339.9	2350.9	2353.3
5°	2339.9	2340.8	2334.7	2344.7	2347.5
7.5°	2327.9	2329.8	2324.0	2334.0	2336.5
10°	2311.1	2313.0	2307.2	2317.2	2319.7
12.5°	2290.3	2291.0	2286.1	2295.2	2297.7
15°	2262.5	2263.2	2259.2	2266.5	2269.9
17.5°	2230.5	2231.4	2225.6	2234.7	2236.3
20°	2191.9	2192.6	2189.2	2196.8	2197.8
22.5°	2148.9	2150.7	2145.5	2152.2	2153.1
25°	2100.3	2101.8	2095.1	2101.8	2102.7
27.5°	2048.9	2049.5	2043.7	2048.9	2048.0
30°	1989.0	1994.2	1986.6	1984.8	1984.2
32.5°	1927.0	1927.6	1920.3	1918.5	1921.8
35°	1855.5	1856.1	1851.2	1848.8	1843.6
37.5°	1777.3	1777.3	1767.8	1766.3	1765.4
40°	1691.4	1690.5	1684.7	1678.9	1672.8
42.5°	1597.9	1599.7	1587.8	1577.7	1576.2
45°	1496.1	1490.3	1479.3	1467.7	1468.6
47.5°	1376.0	1377.6	1362.6	1353.1	1350.7
50°	1251.4	1251.4	1237.3	1227.2	1222.0
52.5°	1121.2	1122.1	1108.7	1095.2	1092.5
55°	988.3	996.5	984.0	968.1	964.7
57.5°	863.9	870.6	858.7	841.9	841.0
60°	748.7	749.3	745.9	730.0	725.8
62.5°	650.3	646.0	644.2	635.9	630.7
65°	557.7	558.6	554.3	544.9	543.3
67.5°	482.8	481.9	474.3	468.5	465.1
70°	409.5	407.0	403.7	398.8	395.4
72.5°	344.1	344.1	341.3	339.8	334.0
75°	286.9	283.6	280.2	281.7	275.0
77.5°	232.2	228.9	226.1	222.8	221.2
80°	175.7	172.3	173.3	168.1	167.5
82.5°	121.9	121.9	120.4	116.1	117.0
85°	69.7	70.6	69.1	69.7	66.3
87.5°	25.4	26.0	27.8	26.0	26.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)