

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: P1050604

Luminaire Tested: 24PTR-72-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PB1-L935-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

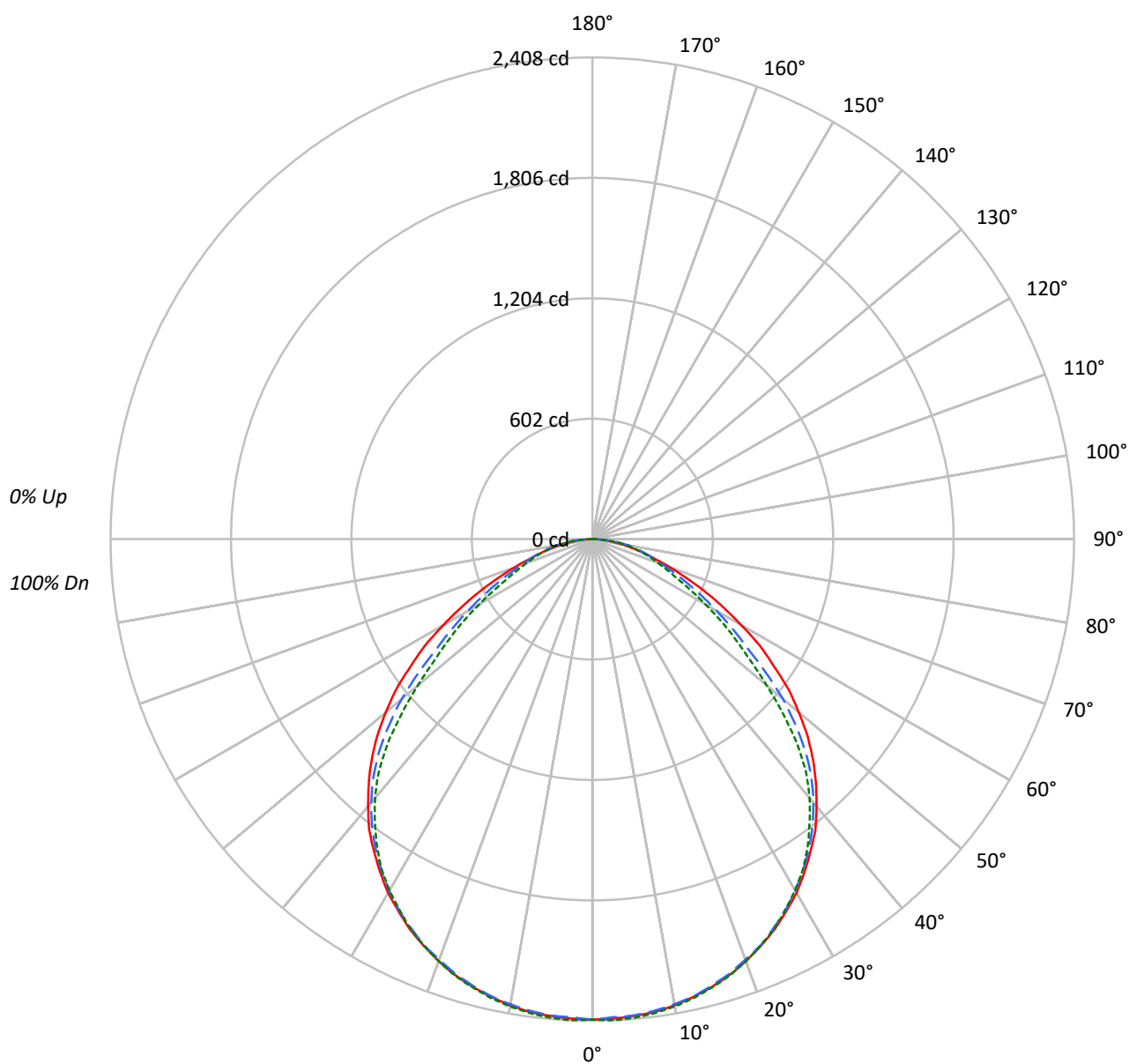
Lumens per Lamp: N/A
Luminaire Lumens: 5989.8 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3232	3232	3232
5°	3232	3228	3244
10°	3233	3225	3242
15°	3227	3219	3231
20°	3215	3203	3215
25°	3198	3184	3193
30°	3172	3154	3149
35°	3125	3101	3082
40°	3062	3021	2968
45°	2968	2873	2755
50°	2821	2604	2381
55°	2599	2211	2051
60°	2314	1932	1757
65°	1985	1675	1496
70°	1639	1476	1372
75°	1382	1412	1337
80°	1168	1442	1375
85°	914	1460	1278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2968 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	3.8
10°-20°	653.5	10.9
20°-30°	990.0	16.5
30°-40°	1179.6	19.7
40°-50°	1153.5	19.3
50°-60°	872.5	14.6
60°-70°	536.1	8.9
70°-80°	285.6	4.8
80°-90°	91.1	1.5
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°	1871.3	31.2
0°-40°	3050.9	50.9
0°-60°	5077.0	84.8
0°-90°	5989.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5989.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2402	2402	2402	2402	2402	
5°	2393	2396	2390	2399	2402	228
15°	2316	2319	2311	2319	2319	654
25°	2154	2151	2145	2148	2151	992
35°	1903	1900	1888	1879	1876	1190
45°	1560	1551	1510	1459	1448	1200
55°	1108	1052	943	889	874	992
65°	624	573	526	484	470	620
75°	266	269	272	263	257	285
85°	59	77	95	89	83	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2402.1	2402.1	2402.1	2402.1	2402.1
2.5°	2399.3	2402.1	2393.1	2405.2	2408.0
5°	2393.1	2396.2	2390.3	2399.3	2402.1
7.5°	2384.4	2384.4	2378.5	2387.2	2390.3
10°	2366.7	2366.7	2360.8	2369.5	2372.6
12.5°	2343.2	2343.2	2340.1	2346.0	2349.1
15°	2316.5	2319.3	2310.6	2319.3	2319.3
17.5°	2283.9	2281.1	2278.0	2283.9	2287.0
20°	2245.5	2245.5	2236.8	2242.7	2245.5
22.5°	2201.1	2201.1	2198.3	2201.1	2198.3
25°	2153.9	2150.8	2145.0	2148.1	2150.8
27.5°	2097.8	2097.8	2091.9	2091.9	2088.8
30°	2041.7	2038.6	2029.9	2024.0	2026.8
32.5°	1973.7	1970.6	1961.9	1956.0	1958.8
35°	1902.7	1899.9	1888.1	1879.1	1876.3
37.5°	1832.0	1823.0	1808.1	1796.3	1784.5
40°	1743.3	1734.3	1719.7	1693.0	1689.9
42.5°	1654.5	1645.9	1622.0	1589.7	1580.7
45°	1559.9	1551.3	1509.7	1459.4	1447.6
47.5°	1459.4	1444.9	1379.7	1317.7	1294.1
50°	1347.5	1320.8	1243.9	1164.1	1137.5
52.5°	1238.0	1190.8	1090.3	1019.3	992.9
55°	1108.0	1051.8	942.7	889.3	874.4
57.5°	992.9	916.0	827.3	774.2	762.4
60°	859.8	788.8	718.1	670.6	652.9
62.5°	738.6	676.5	617.6	576.0	555.5
65°	623.5	573.2	526.1	484.5	469.9
67.5°	511.2	484.5	446.1	413.8	404.8
70°	416.6	401.7	375.3	360.4	348.7
72.5°	331.0	336.9	319.2	313.3	304.3
75°	265.8	268.9	271.7	263.0	257.1
77.5°	201.0	215.6	227.4	221.5	215.6
80°	150.8	165.3	186.1	177.4	177.4
82.5°	103.3	121.3	139.0	133.1	130.0
85°	59.2	76.9	94.6	88.7	82.8
87.5°	23.6	38.5	41.3	41.3	38.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)