

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: P1050835

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PLG-L935-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

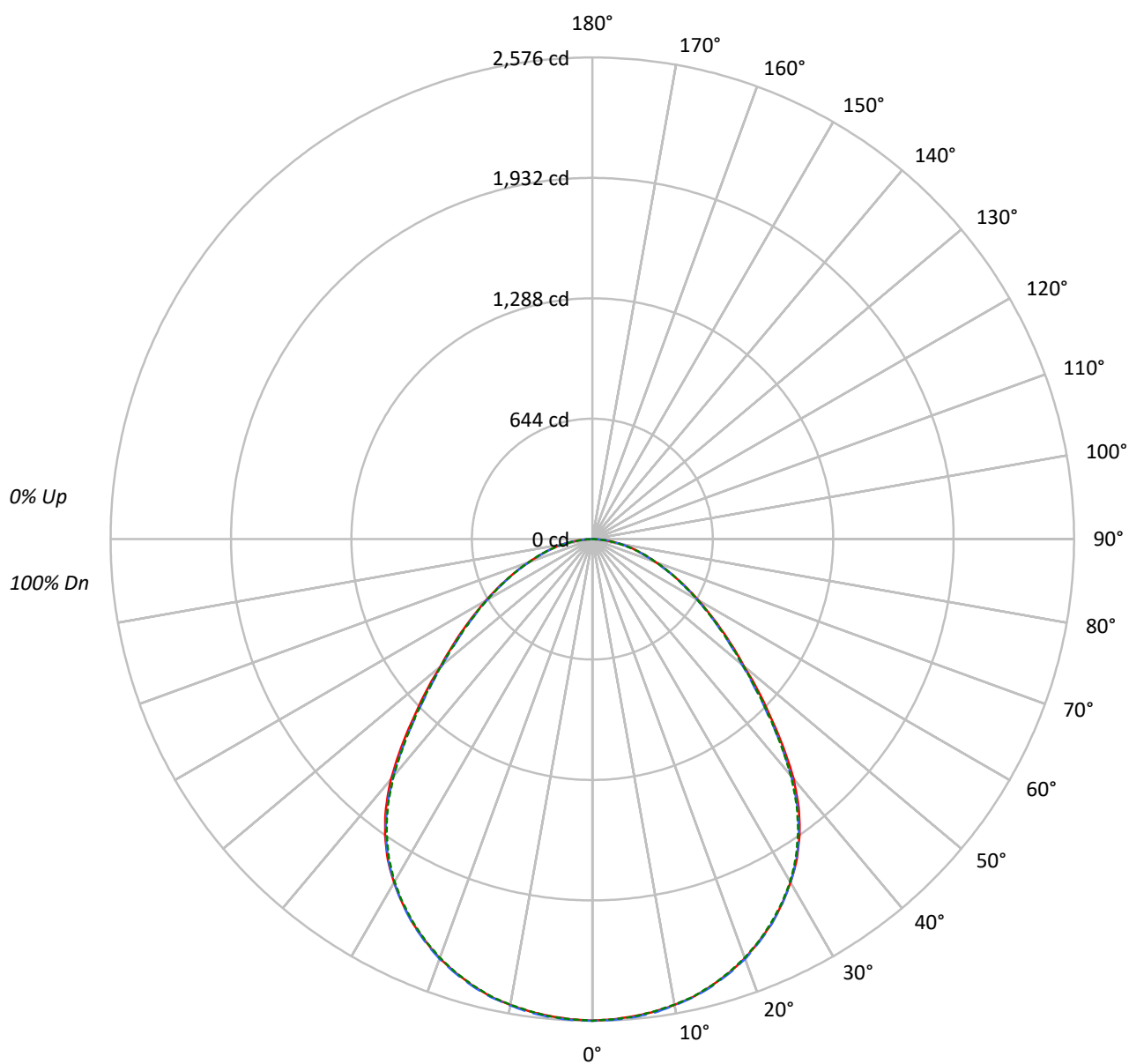
Lumens per Lamp: N/A
Luminaire Lumens: 5804.0 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3466	3466	3466
5°	3459	3467	3462
10°	3457	3459	3454
15°	3443	3448	3440
20°	3416	3421	3411
25°	3368	3371	3360
30°	3295	3295	3286
35°	3174	3165	3150
40°	2941	2909	2899
45°	2571	2529	2539
50°	2219	2193	2204
55°	1973	1943	1947
60°	1766	1742	1742
65°	1583	1571	1577
70°	1424	1410	1424
75°	1321	1302	1321
80°	1232	1218	1175
85°	1044	1044	931

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2571 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	4.2
10°-20°	697.8	12.0
20°-30°	1044.1	18.0
30°-40°	1196.3	20.6
40°-50°	1034.6	17.8
50°-60°	748.8	12.9
60°-70°	493.2	8.5
70°-80°	268.5	4.6
80°-90°	76.9	1.3
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°	1985.8	34.2
0°-40°	3182.0	54.8
0°-60°	4965.4	85.6
0°-90°	5804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5804.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2576	2576	2576	2576	2576	
5°	2561	2567	2567	2567	2563	244
15°	2472	2473	2475	2479	2470	697
25°	2269	2269	2270	2272	2263	1043
35°	1932	1930	1927	1925	1918	1200
45°	1351	1347	1329	1327	1334	1046
55°	841	837	828	823	830	757
65°	497	501	494	490	495	496
75°	254	254	250	250	254	271
85°	68	68	68	70	60	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2575.8	2575.8	2575.8	2575.8	2575.8
2.5°	2570.3	2575.8	2574.0	2575.8	2570.3
5°	2561.2	2566.7	2566.7	2566.7	2563.0
7.5°	2548.4	2552.1	2553.9	2555.7	2546.6
10°	2530.1	2533.8	2531.9	2535.6	2528.3
12.5°	2506.3	2506.3	2508.2	2511.8	2504.5
15°	2471.6	2473.4	2475.3	2478.9	2469.8
17.5°	2431.4	2433.2	2435.1	2436.9	2429.6
20°	2385.7	2385.7	2389.3	2391.2	2382.0
22.5°	2329.0	2329.0	2332.7	2338.2	2327.2
25°	2268.7	2268.7	2270.5	2272.3	2263.2
27.5°	2197.4	2197.4	2199.2	2204.7	2193.7
30°	2120.6	2118.8	2120.6	2122.4	2115.1
32.5°	2034.7	2032.9	2031.0	2032.9	2023.7
35°	1932.3	1930.5	1926.8	1925.0	1917.7
37.5°	1813.5	1809.8	1802.5	1802.5	1795.2
40°	1674.6	1665.4	1656.3	1652.6	1650.8
42.5°	1513.7	1506.4	1493.6	1491.7	1491.7
45°	1351.0	1347.3	1329.0	1327.2	1334.5
47.5°	1204.7	1195.6	1179.1	1175.5	1186.4
50°	1060.3	1062.1	1047.5	1042.0	1053.0
52.5°	947.0	943.3	930.5	926.9	936.0
55°	840.9	837.3	828.1	822.7	830.0
57.5°	744.0	742.2	733.1	731.2	734.9
60°	656.3	654.5	647.2	645.3	647.2
62.5°	574.0	574.0	566.7	563.1	568.5
65°	497.2	500.9	493.6	489.9	495.4
67.5°	427.8	431.4	424.1	420.5	427.8
70°	362.0	365.6	358.3	354.7	362.0
72.5°	305.3	307.1	301.6	299.8	309.0
75°	254.1	254.1	250.5	250.5	254.1
77.5°	206.6	204.7	202.9	202.9	199.3
80°	159.0	157.2	157.2	157.2	151.7
82.5°	113.3	109.7	111.5	113.3	104.2
85°	67.6	67.6	67.6	69.5	60.3
87.5°	27.4	27.4	25.6	27.4	23.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)