

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: P1050769

Luminaire Tested: 24PTR-72-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PL1-L940-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

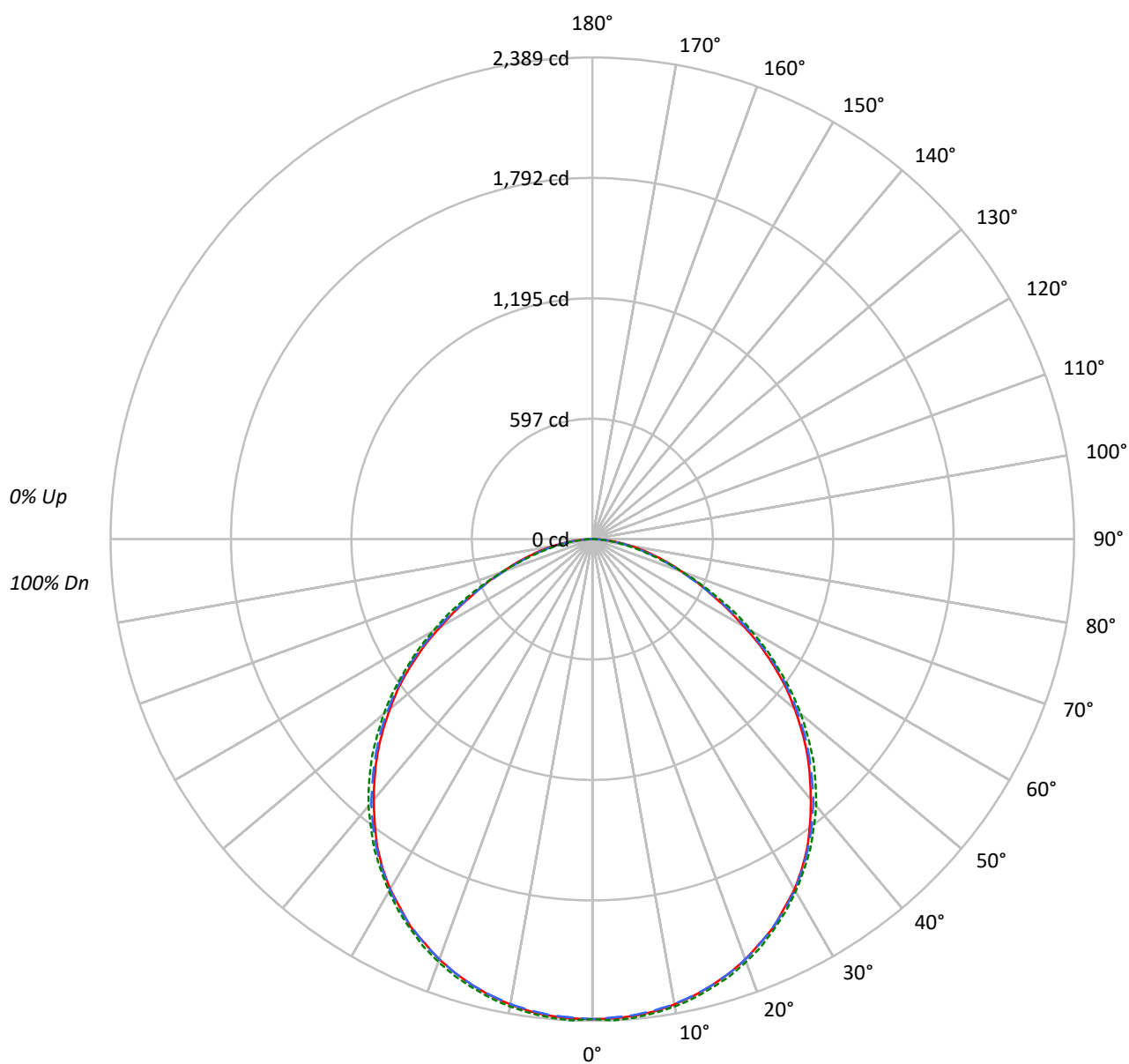
Lumens per Lamp: N/A
Luminaire Lumens: 6275.9 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3203	3203	3203
5°	3206	3200	3218
10°	3202	3199	3217
15°	3192	3191	3207
20°	3176	3176	3194
25°	3155	3151	3168
30°	3115	3119	3134
35°	3056	3067	3092
40°	2961	2995	3033
45°	2868	2892	2948
50°	2742	2772	2827
55°	2583	2624	2655
60°	2343	2393	2452
65°	2081	2103	2188
70°	1860	1822	1867
75°	1678	1581	1550
80°	1525	1416	1257
85°	1292	1173	1010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.8	3.6
10°-20°	647.7	10.3
20°-30°	979.8	15.6
30°-40°	1167.9	18.6
40°-50°	1174.4	18.7
50°-60°	996.7	15.9
60°-70°	663.6	10.6
70°-80°	331.4	5.3
80°-90°	88.6	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°	1853.4	29.5
0°-40°	3021.3	48.1
0°-60°	5192.3	82.7
0°-90°	6275.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6275.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2381	2381	2381	2381	2381	
5°	2374	2374	2369	2380	2382	226
15°	2292	2294	2291	2300	2302	647
25°	2125	2125	2122	2132	2134	977
35°	1860	1862	1867	1880	1882	1160
45°	1507	1510	1520	1540	1549	1160
55°	1101	1109	1119	1129	1132	981
65°	654	659	661	670	687	655
75°	323	318	304	297	298	347
85°	84	82	76	72	65	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2380.9	2380.9	2380.9	2380.9	2380.9
2.5°	2379.0	2380.9	2374.5	2386.0	2388.9
5°	2373.8	2374.5	2369.3	2379.9	2382.5
7.5°	2362.3	2363.3	2357.8	2369.3	2370.9
10°	2343.7	2345.6	2341.1	2351.7	2354.3
12.5°	2320.0	2322.5	2318.1	2329.6	2331.5
15°	2291.8	2294.3	2290.8	2300.4	2302.4
17.5°	2257.2	2259.1	2257.2	2266.1	2271.3
20°	2218.4	2218.4	2218.4	2226.4	2230.9
22.5°	2170.0	2174.5	2172.5	2183.1	2187.6
25°	2125.1	2125.1	2122.2	2132.2	2133.8
27.5°	2062.3	2069.3	2068.7	2077.3	2079.3
30°	2004.9	2006.8	2007.8	2013.9	2017.4
32.5°	1935.3	1937.0	1939.8	1948.5	1949.5
35°	1860.3	1862.3	1867.4	1880.5	1882.5
37.5°	1773.2	1782.8	1787.3	1801.4	1803.0
40°	1685.7	1691.7	1705.2	1720.0	1727.0
42.5°	1596.6	1603.6	1611.6	1631.8	1638.2
45°	1507.4	1510.0	1519.9	1540.1	1549.1
47.5°	1408.7	1416.7	1425.4	1443.0	1448.5
50°	1310.0	1318.7	1324.1	1339.8	1350.4
52.5°	1210.3	1218.3	1224.4	1234.0	1244.6
55°	1101.0	1108.7	1118.6	1129.2	1131.8
57.5°	989.8	998.4	1004.9	1016.1	1027.6
60°	870.6	880.5	889.1	899.7	911.3
62.5°	759.7	763.8	772.8	790.4	807.1
65°	653.6	659.0	660.6	670.5	687.2
67.5°	565.4	565.4	557.4	560.9	579.5
70°	472.8	469.3	463.2	459.6	474.7
72.5°	397.8	393.3	380.1	374.1	382.1
75°	322.8	318.3	304.2	297.1	298.1
77.5°	259.3	252.3	240.7	228.5	226.0
80°	196.8	193.9	182.7	171.2	162.2
82.5°	139.4	133.3	126.9	119.9	112.8
85°	83.7	82.1	76.0	71.5	65.4
87.5°	34.3	34.3	32.7	30.8	29.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)