

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: P1051077

Luminaire Tested: 24PTR-72-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PW1-L940-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

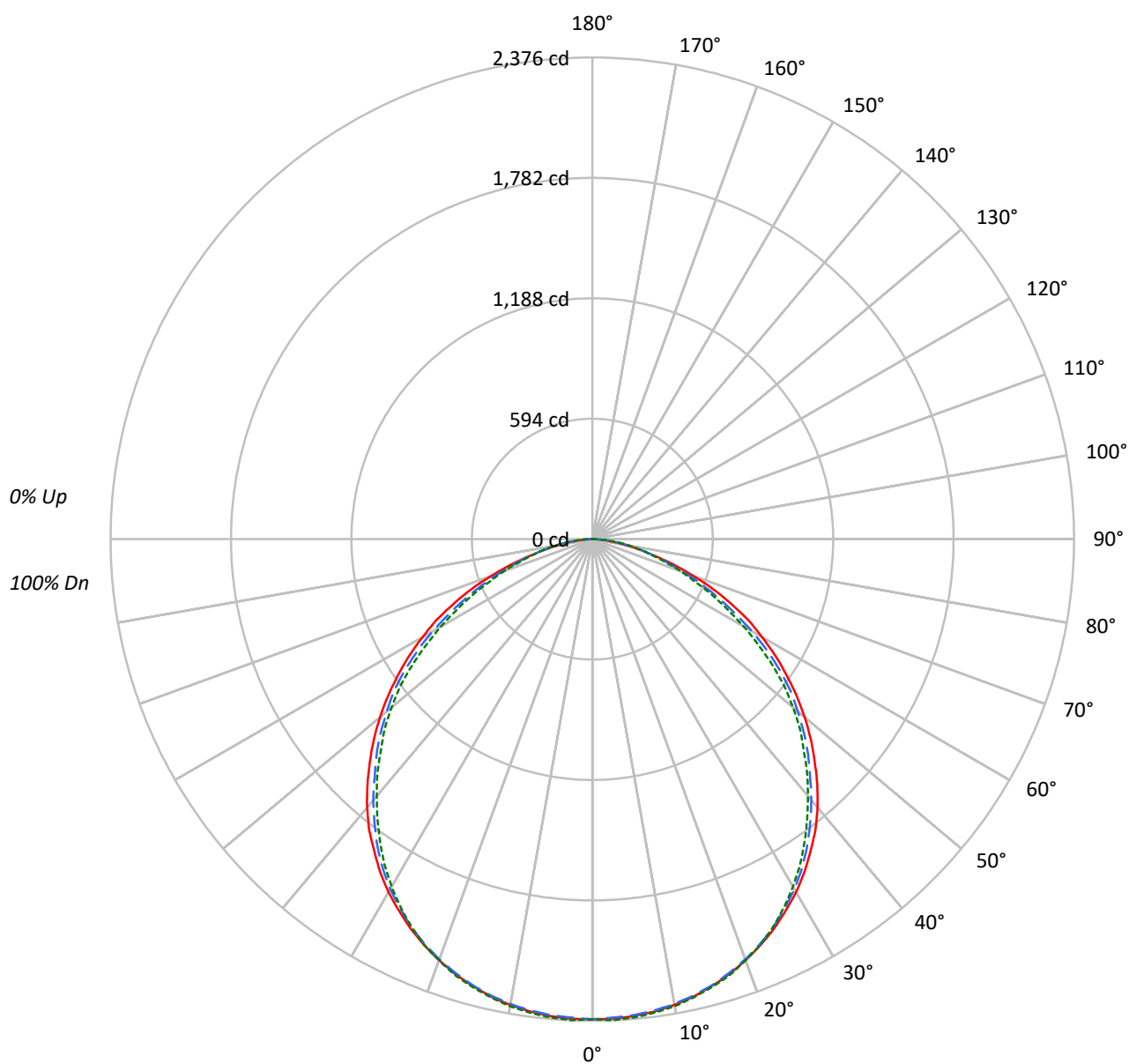
Lumens per Lamp: N/A
Luminaire Lumens: 6285.6 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3187	3187	3187
5°	3190	3183	3199
10°	3188	3181	3197
15°	3178	3174	3186
20°	3165	3158	3165
25°	3148	3135	3132
30°	3124	3097	3075
35°	3082	3036	2997
40°	3035	2952	2905
45°	2951	2864	2805
50°	2862	2768	2704
55°	2742	2650	2544
60°	2600	2447	2319
65°	2405	2185	2076
70°	2085	1902	1830
75°	1665	1628	1583
80°	1265	1413	1413
85°	936	1206	1206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2951 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.6	3.6
10°-20°	644.3	10.2
20°-30°	973.7	15.5
30°-40°	1156.2	18.4
40°-50°	1164.8	18.5
50°-60°	1006.8	16.0
60°-70°	688.1	10.9
70°-80°	339.3	5.4
80°-90°	87.8	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°	1842.6	29.3
0°-40°	2998.7	47.7
0°-60°	5170.4	82.3
0°-90°	6285.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6285.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2368	2368	2368	2368	2368	
5°	2362	2362	2356	2366	2368	225
15°	2282	2284	2278	2286	2287	644
25°	2120	2118	2112	2113	2110	977
35°	1876	1870	1848	1832	1824	1175
45°	1551	1534	1505	1487	1474	1197
55°	1169	1166	1130	1096	1085	1045
65°	756	728	686	656	652	746
75°	320	318	313	313	305	349
85°	61	71	78	80	78	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2368.5	2368.5	2368.5	2368.5	2368.5
2.5°	2367.9	2368.5	2362.5	2373.0	2375.5
5°	2361.5	2362.5	2356.4	2366.0	2368.5
7.5°	2350.3	2351.9	2344.9	2354.5	2356.4
10°	2333.4	2334.4	2328.3	2337.9	2339.8
12.5°	2310.8	2311.4	2306.3	2314.9	2314.9
15°	2281.8	2284.3	2278.3	2286.2	2286.9
17.5°	2249.2	2250.2	2244.1	2252.8	2254.7
20°	2210.7	2210.7	2205.6	2212.6	2210.7
22.5°	2167.6	2167.6	2161.5	2165.1	2166.7
25°	2120.4	2118.5	2111.5	2113.4	2109.9
27.5°	2065.9	2065.9	2053.4	2053.4	2047.4
30°	2010.7	2006.2	1993.2	1985.2	1979.1
32.5°	1947.2	1941.2	1924.6	1910.6	1906.1
35°	1876.4	1870.1	1848.1	1831.5	1824.5
37.5°	1807.9	1793.8	1764.8	1748.2	1740.3
40°	1727.8	1710.3	1680.6	1657.7	1654.2
42.5°	1642.1	1628.0	1589.4	1572.5	1568.4
45°	1550.8	1533.9	1504.9	1487.4	1474.3
47.5°	1461.2	1448.8	1415.6	1394.6	1390.1
50°	1367.2	1356.6	1322.5	1299.9	1291.9
52.5°	1269.9	1262.9	1233.8	1204.8	1195.3
55°	1169.1	1165.6	1129.6	1096.1	1084.6
57.5°	1069.9	1065.5	1020.5	981.9	971.4
60°	966.3	953.2	909.2	873.2	861.7
62.5°	868.1	840.0	792.5	764.4	751.3
65°	755.5	728.4	686.3	656.3	652.2
67.5°	645.1	612.6	580.1	561.6	547.6
70°	530.0	508.0	483.5	467.8	465.3
72.5°	422.9	407.2	394.8	385.2	377.3
75°	320.2	317.6	313.2	313.2	304.6
77.5°	235.4	241.4	244.9	244.0	245.9
80°	163.3	175.4	182.4	183.4	182.4
82.5°	103.6	117.7	129.2	130.8	132.7
85°	60.6	71.1	78.1	79.7	78.1
87.5°	27.1	34.1	36.0	37.6	36.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)