

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: P1050923

Luminaire Tested: 24PTR-72-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PP3-L940-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

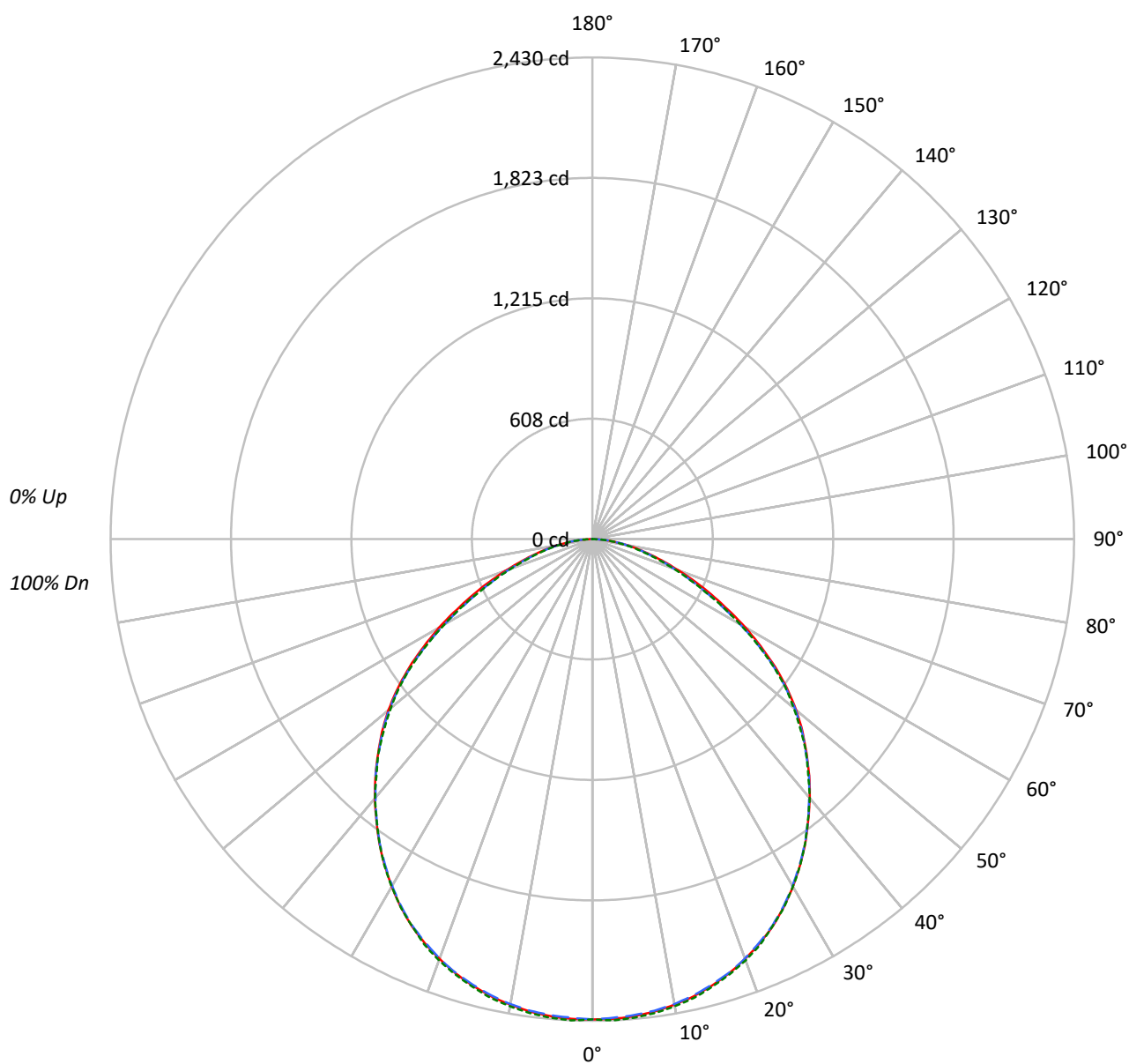
Lumens per Lamp: N/A
Luminaire Lumens: 6261.3 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050923

CATALOG NUMBER: 24PTR-72-PP3-L940-UNV-STD-W

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3261	3261	3261
5°	3264	3256	3274
10°	3259	3254	3270
15°	3248	3242	3257
20°	3227	3224	3238
25°	3198	3193	3197
30°	3144	3138	3144
35°	3076	3072	3074
40°	2997	2988	2996
45°	2907	2899	2902
50°	2810	2797	2776
55°	2645	2614	2606
60°	2401	2320	2324
65°	2109	2003	2000
70°	1823	1740	1720
75°	1577	1519	1485
80°	1397	1377	1315
85°	1155	1193	1125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2917 cd/sqm

TEST NUMBER: P1050923

CATALOG NUMBER: 24PTR-72-PP3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.8	3.7
10°-20°	658.4	10.5
20°-30°	991.2	15.8
30°-40°	1169.9	18.7
40°-50°	1176.6	18.8
50°-60°	993.3	15.9
60°-70°	637.9	10.2
70°-80°	317.3	5.1
80°-90°	86.9	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°	1879.4	30.0
0°-40°	3049.3	48.7
0°-60°	5219.2	83.4
0°-90°	6261.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6261.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2423	2423	2423	2423	2423	
5°	2416	2417	2411	2422	2424	230
15°	2332	2333	2328	2338	2338	658
25°	2154	2155	2151	2155	2153	991
35°	1873	1874	1870	1872	1872	1170
45°	1528	1533	1523	1525	1525	1179
55°	1128	1127	1114	1110	1111	1003
65°	662	653	629	623	628	660
75°	303	302	292	289	286	328
85°	75	77	77	73	73	88
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-72-PP3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2423.4	2423.4	2423.4	2423.4	2423.4
2.5°	2422.4	2423.4	2417.0	2428.5	2430.4
5°	2416.3	2417.0	2410.9	2422.4	2424.0
7.5°	2403.9	2404.8	2399.4	2409.9	2411.8
10°	2385.3	2388.2	2381.8	2391.7	2393.3
12.5°	2362.6	2363.6	2357.2	2368.7	2370.6
15°	2331.9	2332.6	2327.5	2338.0	2338.0
17.5°	2296.5	2297.4	2293.9	2302.9	2301.9
20°	2253.6	2256.2	2251.7	2257.8	2261.3
22.5°	2207.0	2207.9	2202.5	2210.5	2214.0
25°	2154.2	2154.9	2150.7	2154.9	2153.3
27.5°	2092.5	2094.1	2088.1	2092.5	2093.5
30°	2023.8	2028.3	2019.7	2023.2	2023.8
32.5°	1950.0	1952.6	1946.5	1947.4	1951.9
35°	1872.6	1873.6	1870.1	1871.7	1871.7
37.5°	1789.2	1792.7	1787.3	1789.9	1786.4
40°	1706.4	1702.9	1701.0	1702.9	1705.5
42.5°	1619.2	1620.1	1617.6	1615.7	1611.5
45°	1527.8	1533.2	1523.3	1525.2	1525.2
47.5°	1438.3	1438.9	1433.8	1428.4	1424.9
50°	1342.4	1342.4	1336.0	1331.9	1326.4
52.5°	1237.6	1236.0	1228.9	1224.5	1227.0
55°	1127.6	1126.7	1114.5	1110.0	1111.0
57.5°	1007.1	1009.0	990.5	986.0	986.0
60°	892.1	883.1	862.0	855.9	863.6
62.5°	771.2	760.7	738.0	738.0	744.1
65°	662.3	652.7	629.0	622.6	628.1
67.5°	560.3	551.3	529.6	526.1	527.7
70°	463.4	455.8	442.4	434.4	437.2
72.5°	380.0	373.0	364.0	358.0	354.5
75°	303.3	301.7	292.1	289.3	285.7
77.5°	240.0	239.4	231.4	227.9	224.4
80°	180.3	179.3	177.7	172.3	169.7
82.5°	128.5	128.5	127.5	123.1	120.5
85°	74.8	77.3	77.3	72.9	72.9
87.5°	30.0	31.6	30.0	30.0	29.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)