

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: P1050615

Luminaire Tested: 24PTR-72-PB1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050615
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-L940-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

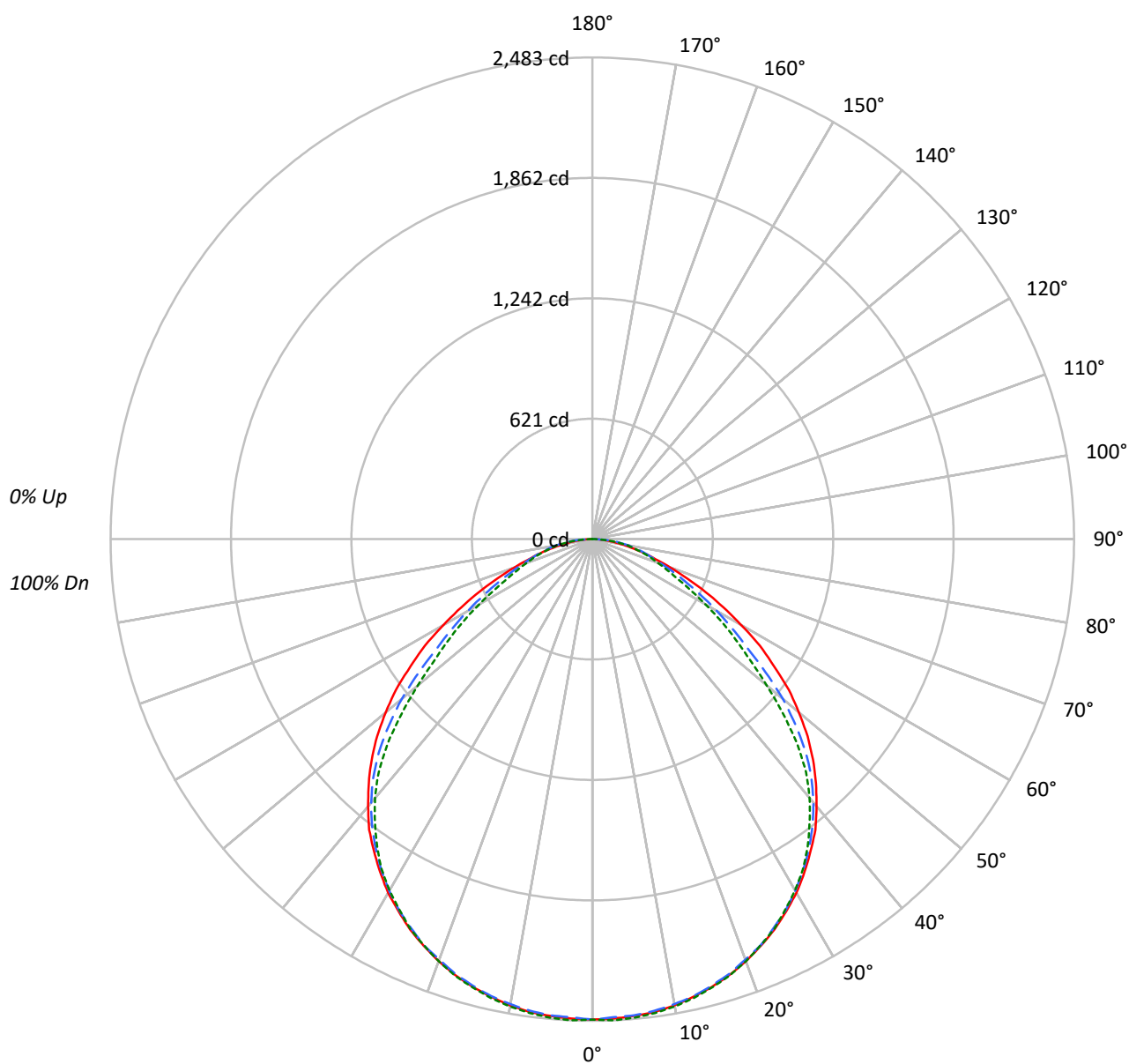
Lumens per Lamp: N/A
Luminaire Lumens: 6176.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3333	3333	3333
5°	3333	3329	3345
10°	3334	3326	3342
15°	3327	3319	3331
20°	3315	3302	3315
25°	3297	3283	3292
30°	3271	3252	3247
35°	3222	3198	3178
40°	3157	3114	3061
45°	3060	2962	2840
50°	2908	2685	2455
55°	2680	2280	2115
60°	2386	1992	1812
65°	2047	1727	1543
70°	1690	1522	1414
75°	1425	1457	1378
80°	1204	1487	1417
85°	943	1505	1318

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3060 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.8	3.8
10°-20°	673.9	10.9
20°-30°	1020.8	16.5
30°-40°	1216.3	19.7
40°-50°	1189.4	19.3
50°-60°	899.7	14.6
60°-70°	552.7	8.9
70°-80°	294.5	4.8
80°-90°	94.0	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°	1929.5	31.2
0°-40°	3145.8	50.9
0°-60°	5234.8	84.8
0°-90°	6176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6176.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2477	2477	2477	2477	2477	
5°	2468	2471	2465	2474	2477	235
15°	2388	2391	2382	2391	2391	674
25°	2221	2218	2212	2215	2218	1023
35°	1962	1959	1947	1938	1935	1227
45°	1608	1600	1557	1505	1493	1237
55°	1142	1085	972	917	902	1023
65°	643	591	542	500	484	640
75°	274	277	280	271	265	294
85°	61	79	98	92	85	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2476.8	2476.8	2476.8	2476.8	2476.8
2.5°	2473.9	2476.8	2467.5	2480.0	2482.9
5°	2467.5	2470.7	2464.6	2473.9	2476.8
7.5°	2458.6	2458.6	2452.5	2461.4	2464.6
10°	2440.3	2440.3	2434.2	2443.2	2446.4
12.5°	2416.0	2416.0	2412.8	2418.9	2422.1
15°	2388.5	2391.4	2382.4	2391.4	2391.4
17.5°	2354.9	2352.1	2348.9	2354.9	2358.1
20°	2315.3	2315.3	2306.3	2312.4	2315.3
22.5°	2269.5	2269.5	2266.7	2269.5	2266.7
25°	2220.9	2217.7	2211.6	2214.8	2217.7
27.5°	2163.0	2163.0	2157.0	2157.0	2153.8
30°	2105.1	2101.9	2093.0	2086.9	2089.8
32.5°	2035.1	2031.9	2022.9	2016.9	2019.7
35°	1961.9	1959.0	1946.8	1937.5	1934.7
37.5°	1888.9	1879.7	1864.3	1852.2	1840.0
40°	1797.5	1788.2	1773.2	1745.6	1742.5
42.5°	1706.0	1697.0	1672.4	1639.1	1629.9
45°	1608.4	1599.5	1556.6	1504.8	1492.7
47.5°	1504.8	1489.8	1422.6	1358.7	1334.3
50°	1389.4	1361.8	1282.5	1200.3	1172.8
52.5°	1276.5	1227.8	1124.2	1051.0	1023.8
55°	1142.4	1084.6	972.0	917.0	901.6
57.5°	1023.8	944.5	853.0	798.3	786.1
60°	886.6	813.3	740.4	691.5	673.2
62.5°	761.5	697.6	636.8	593.9	572.8
65°	642.9	591.1	542.4	499.6	484.5
67.5°	527.1	499.6	459.9	426.7	417.4
70°	429.5	414.2	387.0	371.6	359.5
72.5°	341.3	347.3	329.1	323.0	313.8
75°	274.1	277.3	280.2	271.2	265.1
77.5°	207.3	222.3	234.4	228.4	222.3
80°	155.4	170.5	191.9	182.9	182.9
82.5°	106.5	125.1	143.3	137.2	134.0
85°	61.1	79.3	97.5	91.5	85.4
87.5°	24.3	39.7	42.5	42.5	39.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)