

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: P1051001

Luminaire Tested: 24PTR-80-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-PR1-L940-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

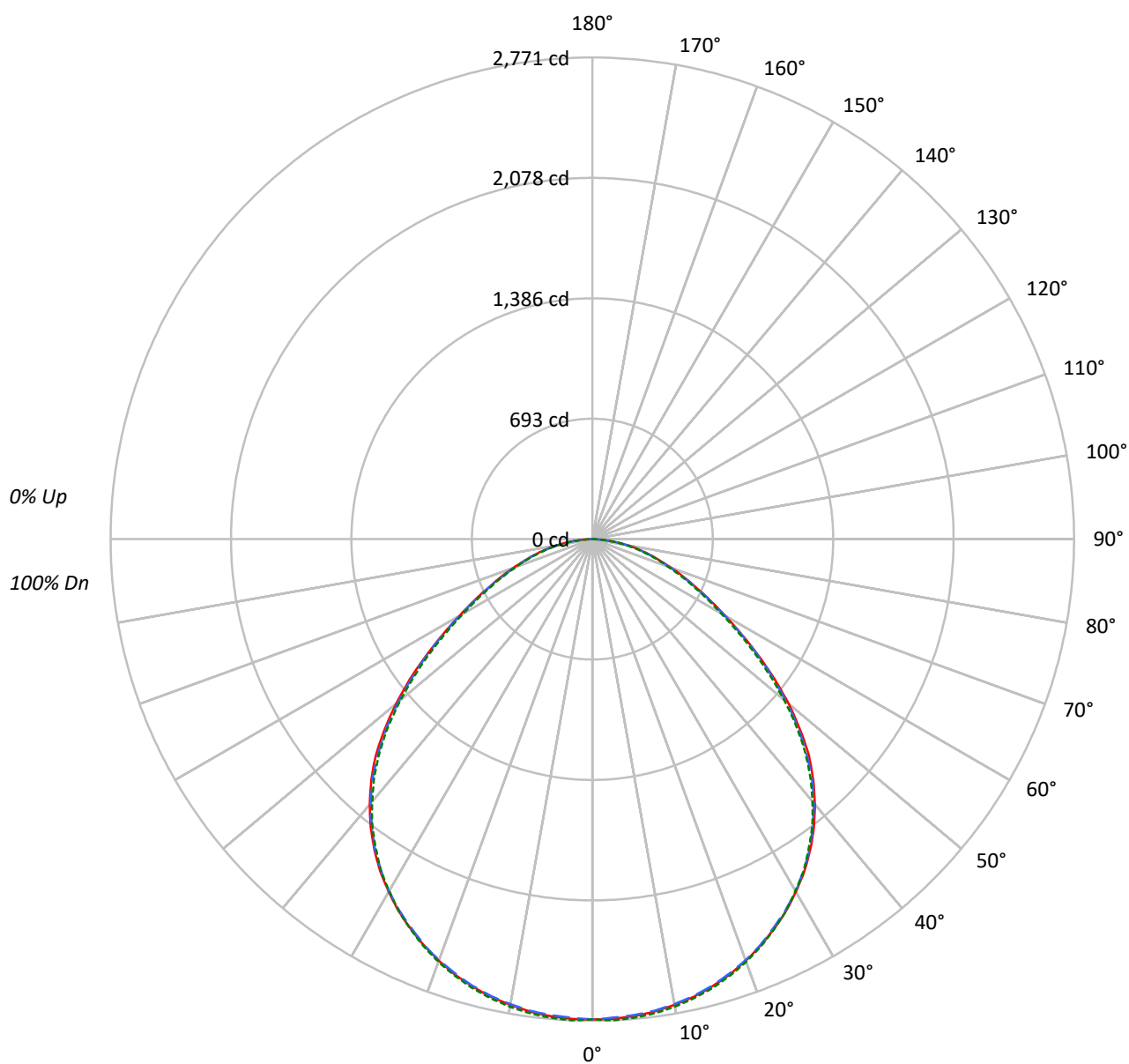
Lumens per Lamp: N/A
Luminaire Lumens: 6987.9 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3718	3718	3718
5°	3721	3713	3733
10°	3718	3712	3732
15°	3711	3706	3723
20°	3696	3691	3705
25°	3672	3662	3676
30°	3639	3634	3630
35°	3589	3580	3566
40°	3498	3484	3460
45°	3352	3315	3291
50°	3084	3050	3012
55°	2730	2718	2665
60°	2372	2363	2300
65°	2091	2078	2037
70°	1897	1870	1832
75°	1757	1716	1683
80°	1603	1581	1528
85°	1266	1255	1206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3352 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.1	3.8
10°-20°	752.3	10.8
20°-30°	1139.7	16.3
30°-40°	1360.5	19.5
40°-50°	1338.0	19.1
50°-60°	1034.1	14.8
60°-70°	652.1	9.3
70°-80°	352.7	5.0
80°-90°	96.3	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°	2154.1	30.8
0°-40°	3514.6	50.3
0°-60°	5886.7	84.2
0°-90°	6987.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6987.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2763	2763	2763	2763	2763	
5°	2755	2756	2749	2761	2764	262
15°	2664	2665	2660	2669	2673	752
25°	2473	2475	2467	2475	2476	1140
35°	2185	2186	2180	2177	2171	1364
45°	1762	1755	1742	1728	1729	1349
55°	1164	1173	1159	1140	1136	1044
65°	657	658	653	642	640	661
75°	338	334	330	332	324	359
85°	82	83	81	82	78	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2763.1	2763.1	2763.1	2763.1	2763.1
2.5°	2762.0	2763.1	2755.2	2768.2	2771.0
5°	2755.2	2756.3	2749.1	2761.0	2764.2
7.5°	2741.2	2743.3	2736.5	2748.4	2751.2
10°	2721.4	2723.5	2716.7	2728.6	2731.4
12.5°	2696.9	2697.6	2691.9	2702.7	2705.5
15°	2664.2	2664.9	2660.2	2668.8	2672.8
17.5°	2626.4	2627.5	2620.6	2631.4	2633.2
20°	2581.0	2581.8	2577.8	2586.8	2587.9
22.5°	2530.3	2532.5	2526.3	2534.3	2535.3
25°	2473.1	2474.9	2467.0	2474.9	2476.0
27.5°	2412.6	2413.4	2406.5	2412.6	2411.6
30°	2342.1	2348.2	2339.2	2337.1	2336.4
32.5°	2269.1	2269.8	2261.2	2259.0	2263.0
35°	2184.9	2185.6	2179.8	2177.0	2170.8
37.5°	2092.8	2092.8	2081.6	2079.8	2078.7
40°	1991.6	1990.6	1983.7	1976.9	1969.7
42.5°	1881.5	1883.7	1869.7	1857.8	1856.0
45°	1761.7	1754.9	1741.9	1728.2	1729.3
47.5°	1620.3	1622.1	1604.5	1593.3	1590.4
50°	1473.5	1473.5	1456.9	1445.1	1438.9
52.5°	1320.2	1321.3	1305.5	1289.6	1286.4
55°	1163.7	1173.4	1158.6	1139.9	1136.0
57.5°	1017.2	1025.1	1011.1	991.3	990.2
60°	881.6	882.3	878.3	859.6	854.6
62.5°	765.7	760.7	758.5	748.8	742.7
65°	656.7	657.8	652.7	641.6	639.8
67.5°	568.5	567.4	558.5	551.6	547.7
70°	482.2	479.3	475.3	469.6	465.6
72.5°	405.2	405.2	401.9	400.1	393.3
75°	337.9	333.9	330.0	331.8	323.8
77.5°	273.5	269.5	266.3	262.3	260.5
80°	206.9	202.9	204.0	197.9	197.2
82.5°	143.6	143.6	141.8	136.7	137.8
85°	82.0	83.1	81.3	82.0	78.1
87.5°	29.9	30.6	32.7	30.6	30.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)