

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: P1050979

Luminaire Tested: 24PTR-80-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050979
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-L930-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

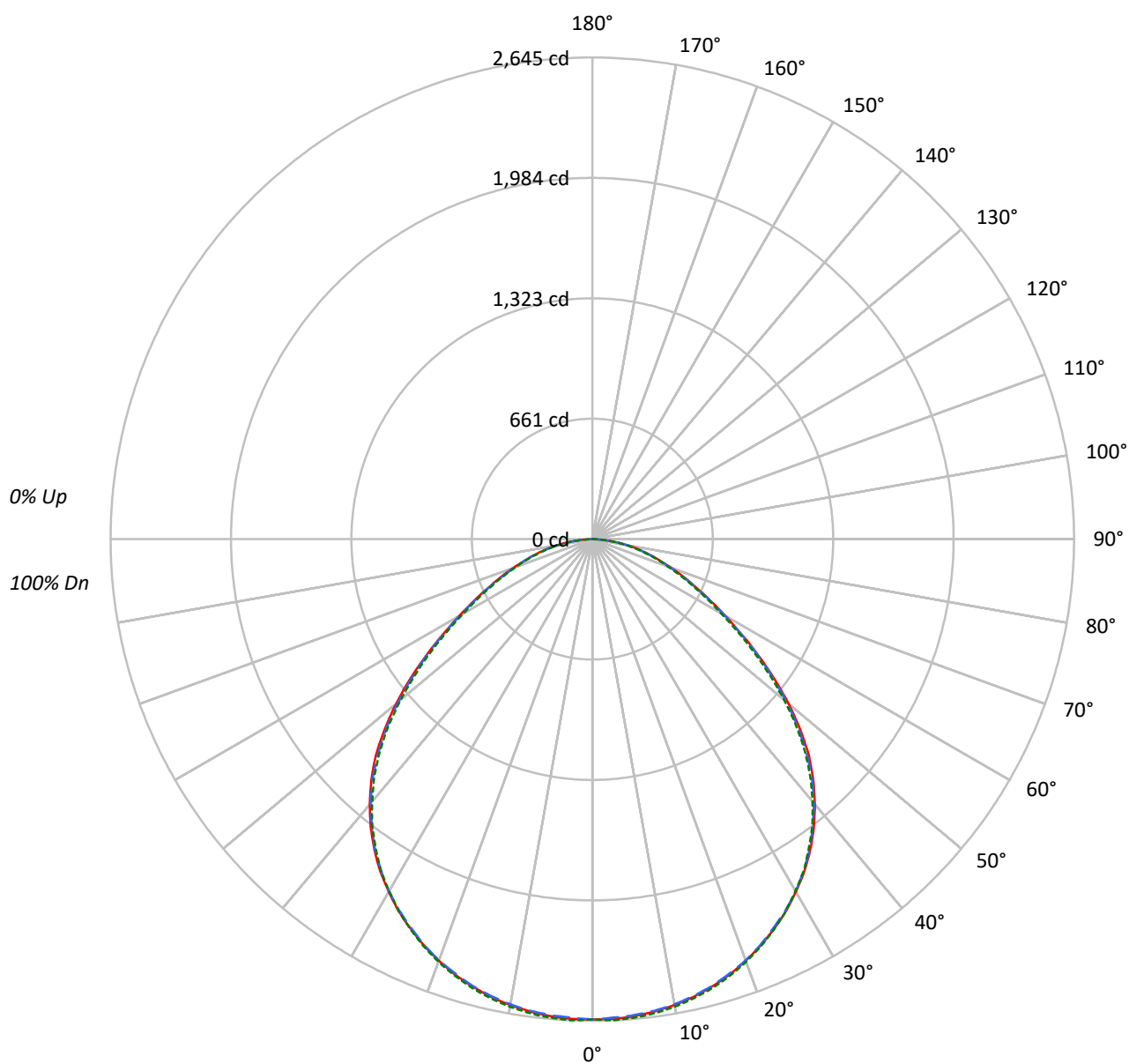
Lumens per Lamp: N/A
Luminaire Lumens: 6670.7 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3549	3549	3549
5°	3552	3544	3564
10°	3549	3543	3562
15°	3543	3537	3554
20°	3528	3523	3537
25°	3505	3496	3509
30°	3474	3469	3465
35°	3426	3418	3404
40°	3339	3326	3303
45°	3200	3164	3141
50°	2944	2911	2875
55°	2606	2595	2544
60°	2265	2256	2195
65°	1996	1984	1944
70°	1811	1785	1749
75°	1677	1638	1607
80°	1530	1509	1458
85°	1209	1198	1150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3200 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.2	3.8
10°-20°	718.2	10.8
20°-30°	1088.0	16.3
30°-40°	1298.8	19.5
40°-50°	1277.3	19.1
50°-60°	987.2	14.8
60°-70°	622.5	9.3
70°-80°	336.7	5.0
80°-90°	92.0	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°	2056.3	30.8
0°-40°	3355.1	50.3
0°-60°	5619.5	84.2
0°-90°	6670.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6670.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2638	2638	2638	2638	2638	
5°	2630	2631	2624	2636	2639	250
15°	2543	2544	2540	2548	2552	718
25°	2361	2363	2355	2363	2364	1088
35°	2086	2086	2081	2078	2072	1302
45°	1682	1675	1663	1650	1651	1288
55°	1111	1120	1106	1088	1084	997
65°	627	628	623	612	611	631
75°	322	319	315	317	309	343
85°	78	79	78	78	74	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2637.7	2637.7	2637.7	2637.7	2637.7
2.5°	2636.7	2637.7	2630.1	2642.5	2645.2
5°	2630.1	2631.2	2624.3	2635.6	2638.7
7.5°	2616.7	2618.8	2612.3	2623.6	2626.4
10°	2597.8	2599.9	2593.4	2604.7	2607.5
12.5°	2574.5	2575.2	2569.7	2580.0	2582.7
15°	2543.2	2543.9	2539.5	2547.7	2551.5
17.5°	2507.2	2508.2	2501.7	2512.0	2513.7
20°	2463.9	2464.6	2460.8	2469.4	2470.4
22.5°	2415.5	2417.5	2411.7	2419.2	2420.3
25°	2360.8	2362.6	2355.0	2362.6	2363.6
27.5°	2303.1	2303.8	2297.3	2303.1	2302.1
30°	2235.8	2241.6	2233.1	2231.0	2230.3
32.5°	2166.1	2166.8	2158.5	2156.5	2160.2
35°	2085.7	2086.4	2080.9	2078.1	2072.3
37.5°	1997.8	1997.8	1987.1	1985.4	1984.4
40°	1901.2	1900.2	1893.7	1887.2	1880.3
42.5°	1796.1	1798.2	1784.8	1773.5	1771.7
45°	1681.7	1675.2	1662.9	1649.8	1650.8
47.5°	1546.8	1548.5	1531.6	1521.0	1518.2
50°	1406.6	1406.6	1390.8	1379.5	1373.6
52.5°	1260.3	1261.3	1246.2	1231.1	1228.0
55°	1110.9	1120.1	1106.1	1088.2	1084.4
57.5°	971.1	978.6	965.2	946.3	945.3
60°	841.6	842.2	838.5	820.6	815.8
62.5°	731.0	726.1	724.1	714.8	709.0
65°	626.9	627.9	623.1	612.4	610.7
67.5°	542.7	541.7	533.1	526.6	522.8
70°	460.3	457.5	453.8	448.3	444.5
72.5°	386.8	386.8	383.7	382.0	375.4
75°	322.5	318.8	315.0	316.7	309.1
77.5°	261.1	257.3	254.2	250.4	248.7
80°	197.5	193.7	194.8	188.9	188.2
82.5°	137.1	137.1	135.3	130.5	131.6
85°	78.3	79.3	77.6	78.3	74.5
87.5°	28.5	29.2	31.3	29.2	29.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)