

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: P1050890

Luminaire Tested: 24PTR-72-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050890
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-L850-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

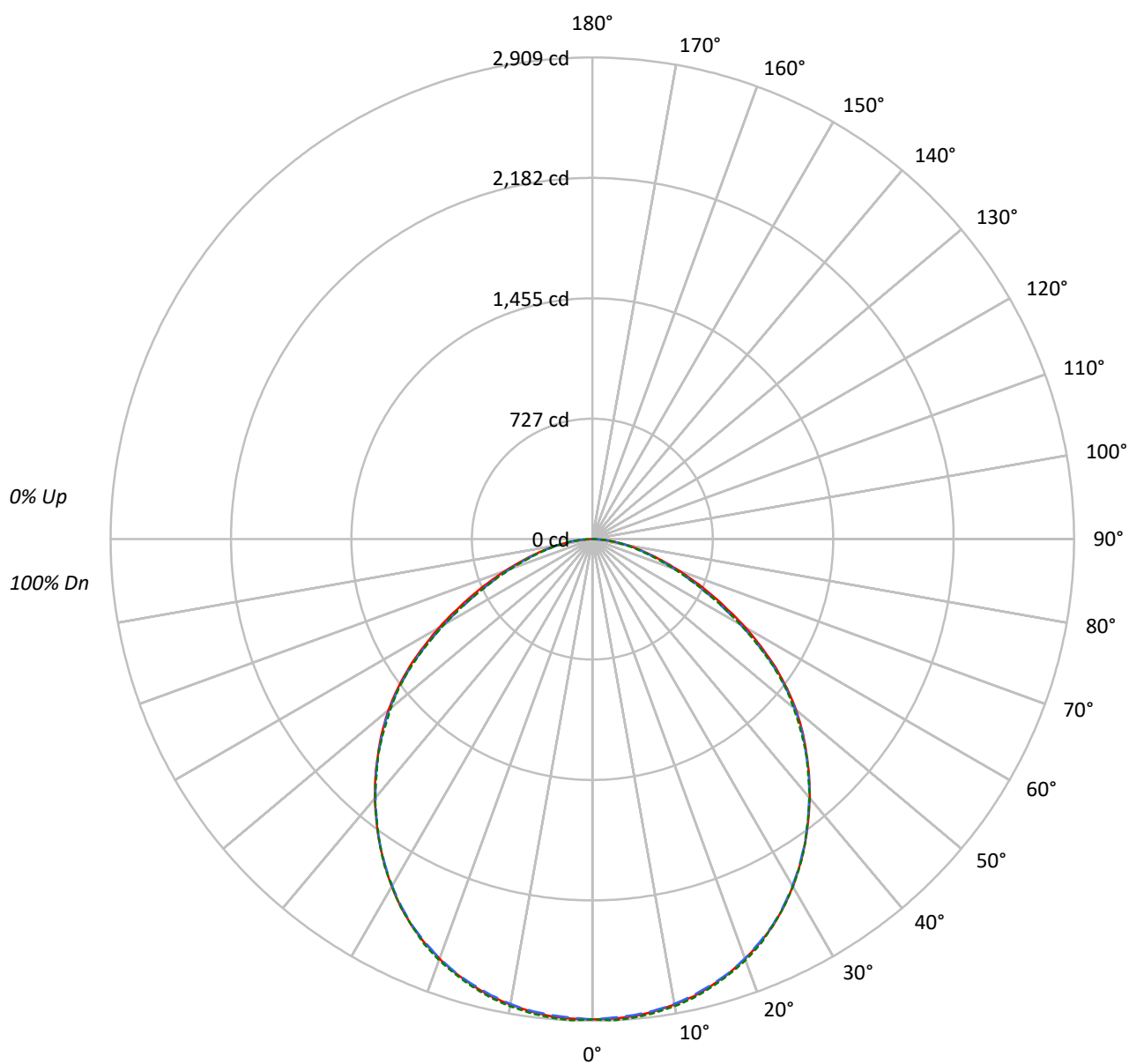
Lumens per Lamp: N/A
Luminaire Lumens: 7493.3 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	3902	3902	3902
5°	3906	3897	3918
10°	3900	3894	3913
15°	3887	3880	3897
20°	3862	3858	3875
25°	3827	3821	3826
30°	3763	3755	3763
35°	3681	3676	3679
40°	3587	3576	3585
45°	3479	3469	3473
50°	3363	3347	3323
55°	3166	3129	3119
60°	2873	2776	2781
65°	2523	2397	2393
70°	2182	2083	2059
75°	1887	1817	1778
80°	1671	1648	1574
85°	1382	1430	1346

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3491 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.0	3.7
10°-20°	787.9	10.5
20°-30°	1186.2	15.8
30°-40°	1400.1	18.7
40°-50°	1408.1	18.8
50°-60°	1188.7	15.9
60°-70°	763.4	10.2
70°-80°	379.7	5.1
80°-90°	104.1	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°	2249.2	30.0
0°-40°	3649.3	48.7
0°-60°	6246.1	83.4
0°-90°	7493.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7493.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2900	2900	2900	2900	2900	
5°	2892	2892	2885	2899	2901	275
15°	2791	2792	2785	2798	2798	787
25°	2578	2579	2574	2579	2577	1186
35°	2241	2242	2238	2240	2240	1401
45°	1828	1835	1823	1825	1825	1411
55°	1350	1348	1334	1328	1330	1200
65°	792	781	753	745	752	790
75°	363	361	350	346	342	393
85°	90	93	93	87	87	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2900.1	2900.1	2900.1	2900.1	2900.1
2.5°	2899.0	2900.1	2892.5	2906.3	2908.6
5°	2891.7	2892.5	2885.2	2899.0	2900.9
7.5°	2876.8	2878.0	2871.5	2884.1	2886.4
10°	2854.6	2858.1	2850.4	2862.3	2864.2
12.5°	2827.5	2828.6	2821.0	2834.7	2837.0
15°	2790.7	2791.5	2785.4	2798.0	2798.0
17.5°	2748.3	2749.4	2745.2	2755.9	2754.8
20°	2697.0	2700.1	2694.7	2702.0	2706.2
22.5°	2641.2	2642.3	2635.8	2645.4	2649.6
25°	2578.1	2578.8	2573.9	2578.8	2576.9
27.5°	2504.2	2506.2	2498.9	2504.2	2505.4
30°	2422.0	2427.4	2417.0	2421.2	2422.0
32.5°	2333.7	2336.7	2329.4	2330.6	2335.9
35°	2241.1	2242.2	2238.0	2239.9	2239.9
37.5°	2141.3	2145.5	2139.0	2142.0	2137.8
40°	2042.2	2038.0	2035.7	2038.0	2041.0
42.5°	1937.8	1938.9	1935.8	1933.6	1928.6
45°	1828.4	1834.9	1823.0	1825.3	1825.3
47.5°	1721.3	1722.0	1715.9	1709.4	1705.2
50°	1606.5	1606.5	1598.9	1593.9	1587.4
52.5°	1481.1	1479.1	1470.7	1465.4	1468.4
55°	1349.5	1348.3	1333.8	1328.4	1329.6
57.5°	1205.3	1207.6	1185.4	1180.0	1180.0
60°	1067.6	1056.9	1031.6	1024.3	1033.5
62.5°	923.0	910.4	883.2	883.2	890.5
65°	792.5	781.1	752.8	745.1	751.6
67.5°	670.5	659.8	633.8	629.6	631.5
70°	554.6	545.4	529.4	519.8	523.3
72.5°	454.8	446.4	435.7	428.4	424.2
75°	363.0	361.1	349.6	346.2	342.0
77.5°	287.3	286.5	276.9	272.7	268.5
80°	215.7	214.6	212.7	206.2	203.1
82.5°	153.8	153.8	152.6	147.3	144.2
85°	89.5	92.6	92.6	87.2	87.2
87.5°	36.0	37.9	36.0	36.0	34.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)