

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: P1050926

Luminaire Tested: 24PTR-90-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050926
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-90-PP3-L940-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

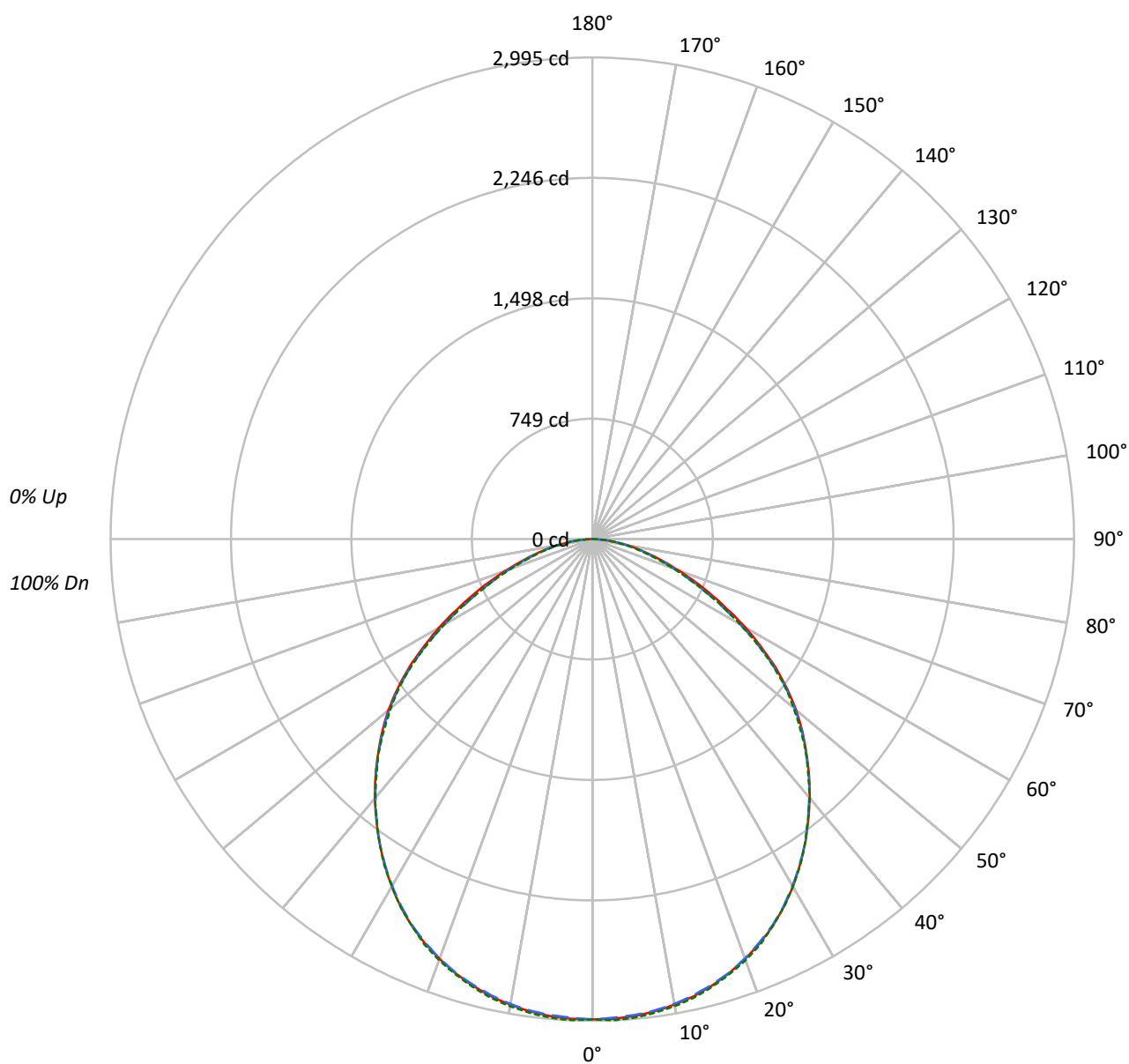
Lumens per Lamp: N/A
Luminaire Lumens: 7715.4 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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°	4018	4018	4018
5°	4021	4012	4034
10°	4016	4010	4029
15°	4003	3995	4013
20°	3976	3973	3990
25°	3941	3934	3939
30°	3874	3867	3874
35°	3790	3785	3788
40°	3693	3681	3691
45°	3582	3572	3576
50°	3462	3446	3421
55°	3259	3221	3211
60°	2958	2858	2864
65°	2598	2468	2464
70°	2247	2144	2120
75°	1943	1871	1830
80°	1721	1697	1620
85°	1423	1471	1386

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3595 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.2	3.7
10°-20°	811.3	10.5
20°-30°	1221.4	15.8
30°-40°	1441.6	18.7
40°-50°	1449.8	18.8
50°-60°	1224.0	15.9
60°-70°	786.1	10.2
70°-80°	391.0	5.1
80°-90°	107.1	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°	2315.9	30.0
0°-40°	3757.5	48.7
0°-60°	6431.3	83.4
0°-90°	7715.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7715.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2986	2986	2986	2986	2986	
5°	2977	2978	2971	2985	2987	283
15°	2874	2874	2868	2881	2881	811
25°	2654	2655	2650	2655	2653	1221
35°	2308	2309	2304	2306	2306	1442
45°	1883	1889	1877	1879	1879	1453
55°	1390	1388	1373	1368	1369	1236
65°	816	804	775	767	774	814
75°	374	372	360	356	352	404
85°	92	95	95	90	90	108
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2986.1	2986.1	2986.1	2986.1	2986.1
2.5°	2984.9	2986.1	2978.2	2992.4	2994.8
5°	2977.4	2978.2	2970.8	2984.9	2986.9
7.5°	2962.1	2963.3	2956.6	2969.6	2971.9
10°	2939.2	2942.8	2934.9	2947.1	2949.1
12.5°	2911.3	2912.5	2904.6	2918.8	2921.1
15°	2873.5	2874.3	2868.0	2881.0	2881.0
17.5°	2829.8	2830.9	2826.6	2837.6	2836.5
20°	2777.0	2780.1	2774.6	2782.1	2786.4
22.5°	2719.5	2720.7	2714.0	2723.8	2728.1
25°	2654.5	2655.3	2650.2	2655.3	2653.3
27.5°	2578.5	2580.5	2573.0	2578.5	2579.7
30°	2493.8	2499.3	2488.7	2493.0	2493.8
32.5°	2402.8	2406.0	2398.5	2399.7	2405.2
35°	2307.5	2308.7	2304.4	2306.3	2306.3
37.5°	2204.7	2209.1	2202.4	2205.5	2201.2
40°	2102.7	2098.4	2096.0	2098.4	2101.5
42.5°	1995.2	1996.4	1993.2	1990.9	1985.8
45°	1882.6	1889.3	1877.1	1879.4	1879.4
47.5°	1772.3	1773.1	1766.8	1760.1	1755.7
50°	1654.1	1654.1	1646.3	1641.1	1634.4
52.5°	1525.0	1523.0	1514.3	1508.8	1512.0
55°	1389.5	1388.3	1373.3	1367.8	1369.0
57.5°	1241.0	1243.4	1220.5	1215.0	1215.0
60°	1099.2	1088.2	1062.2	1054.7	1064.2
62.5°	950.3	937.3	909.4	909.4	916.9
65°	816.0	804.2	775.1	767.2	773.9
67.5°	690.4	679.4	652.6	648.3	650.2
70°	571.1	561.6	545.1	535.2	538.8
72.5°	468.3	459.6	448.6	441.1	436.8
75°	373.8	371.8	360.0	356.4	352.1
77.5°	295.8	295.0	285.1	280.8	276.5
80°	222.1	220.9	219.0	212.3	209.1
82.5°	158.3	158.3	157.1	151.6	148.5
85°	92.2	95.3	95.3	89.8	89.8
87.5°	37.0	39.0	37.0	37.0	35.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)