

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: P1050827

Luminaire Tested: 24PTR-90-PLG-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-90-PLG-L930-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

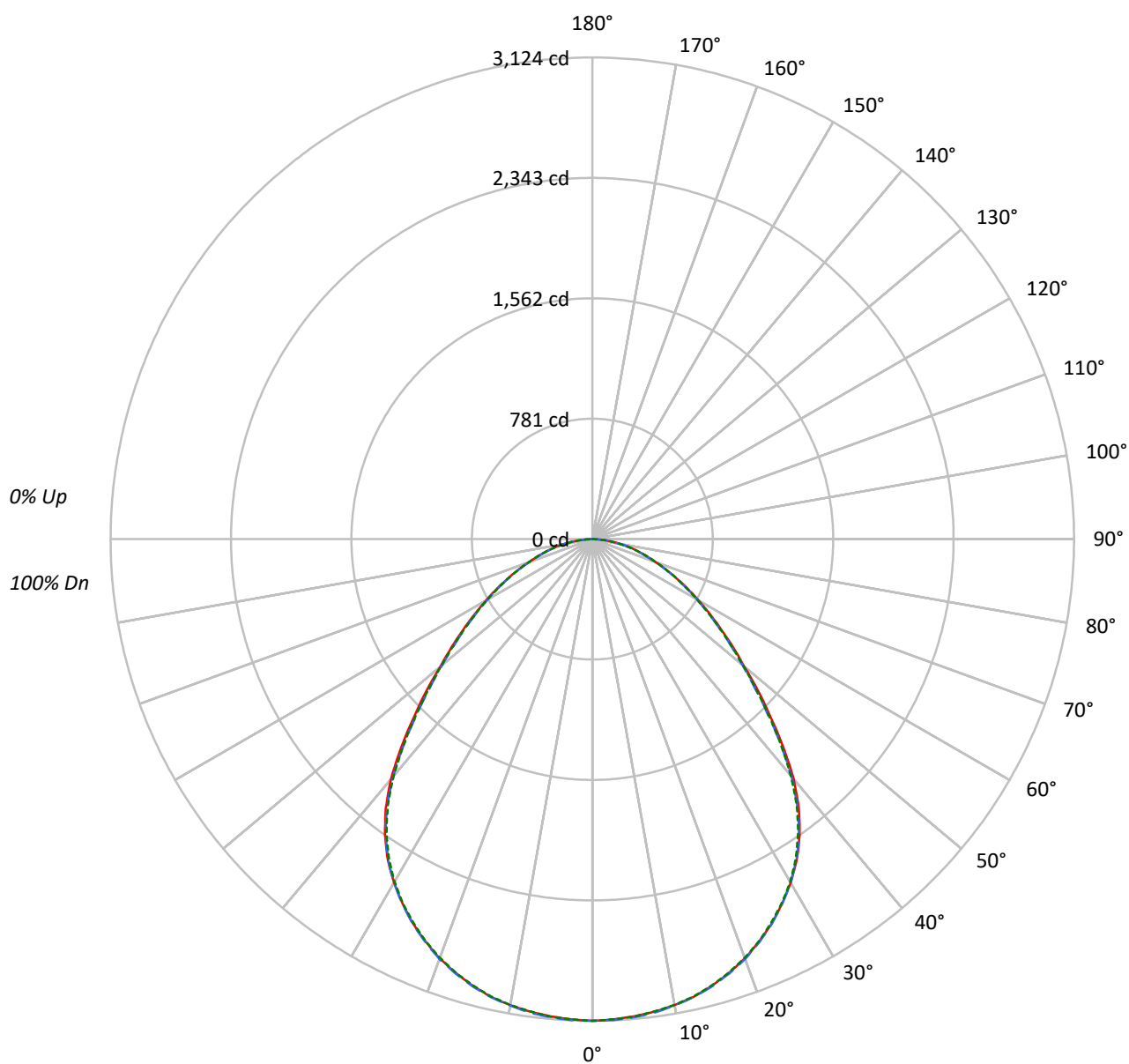
Lumens per Lamp: N/A
Luminaire Lumens: 7040.1 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4204	4204	4204
5°	4196	4205	4199
10°	4193	4196	4190
15°	4176	4182	4173
20°	4143	4150	4137
25°	4085	4089	4075
30°	3996	3996	3986
35°	3850	3839	3821
40°	3568	3529	3517
45°	3118	3068	3080
50°	2692	2660	2673
55°	2393	2356	2362
60°	2142	2112	2112
65°	1920	1906	1913
70°	1727	1710	1727
75°	1602	1579	1602
80°	1495	1478	1426
85°	1266	1266	1130

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3118 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.8	4.2
10°-20°	846.4	12.0
20°-30°	1266.5	18.0
30°-40°	1451.0	20.6
40°-50°	1254.9	17.8
50°-60°	908.2	12.9
60°-70°	598.2	8.5
70°-80°	325.6	4.6
80°-90°	93.3	1.3
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°	2408.7	34.2
0°-40°	3859.7	54.8
0°-60°	6022.9	85.6
0°-90°	7040.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7040.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3124	3124	3124	3124	3124	
5°	3107	3113	3113	3113	3109	295
15°	2998	3000	3002	3007	2996	846
25°	2752	2752	2754	2756	2745	1266
35°	2344	2342	2337	2335	2326	1456
45°	1639	1634	1612	1610	1619	1269
55°	1020	1016	1004	998	1007	918
65°	603	608	599	594	601	602
75°	308	308	304	304	308	328
85°	82	82	82	84	73	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3124.3	3124.3	3124.3	3124.3	3124.3
2.5°	3117.7	3124.3	3122.1	3124.3	3117.7
5°	3106.6	3113.3	3113.3	3113.3	3108.8
7.5°	3091.1	3095.5	3097.7	3100.0	3088.9
10°	3068.9	3073.3	3071.1	3075.6	3066.7
12.5°	3040.1	3040.1	3042.3	3046.7	3037.9
15°	2998.0	3000.2	3002.4	3006.8	2995.7
17.5°	2949.2	2951.4	2953.6	2955.8	2947.0
20°	2893.7	2893.7	2898.2	2900.4	2889.3
22.5°	2825.0	2825.0	2829.4	2836.1	2822.8
25°	2751.8	2751.8	2754.0	2756.3	2745.2
27.5°	2665.3	2665.3	2667.6	2674.2	2660.9
30°	2572.2	2570.0	2572.2	2574.4	2565.6
32.5°	2468.0	2465.8	2463.6	2465.8	2454.7
35°	2343.8	2341.6	2337.2	2334.9	2326.1
37.5°	2199.7	2195.2	2186.4	2186.4	2177.5
40°	2031.2	2020.1	2009.0	2004.6	2002.3
42.5°	1836.0	1827.2	1811.6	1809.4	1809.4
45°	1638.7	1634.2	1612.1	1609.8	1618.7
47.5°	1461.3	1450.2	1430.2	1425.8	1439.1
50°	1286.1	1288.3	1270.6	1263.9	1277.2
52.5°	1148.6	1144.2	1128.7	1124.2	1135.3
55°	1020.0	1015.6	1004.5	997.8	1006.7
57.5°	902.5	900.3	889.2	887.0	891.4
60°	796.1	793.8	785.0	782.8	785.0
62.5°	696.3	696.3	687.4	683.0	689.6
65°	603.1	607.6	598.7	594.3	600.9
67.5°	518.9	523.3	514.4	510.0	518.9
70°	439.0	443.5	434.6	430.2	439.0
72.5°	370.3	372.5	365.9	363.7	374.7
75°	308.2	308.2	303.8	303.8	308.2
77.5°	250.6	248.4	246.1	246.1	241.7
80°	192.9	190.7	190.7	190.7	184.0
82.5°	137.5	133.0	135.3	137.5	126.4
85°	82.0	82.0	82.0	84.3	73.2
87.5°	33.3	33.3	31.0	33.3	28.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)