

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: P1050607

Luminaire Tested: 24PTR-90-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-90-PB1-L935-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

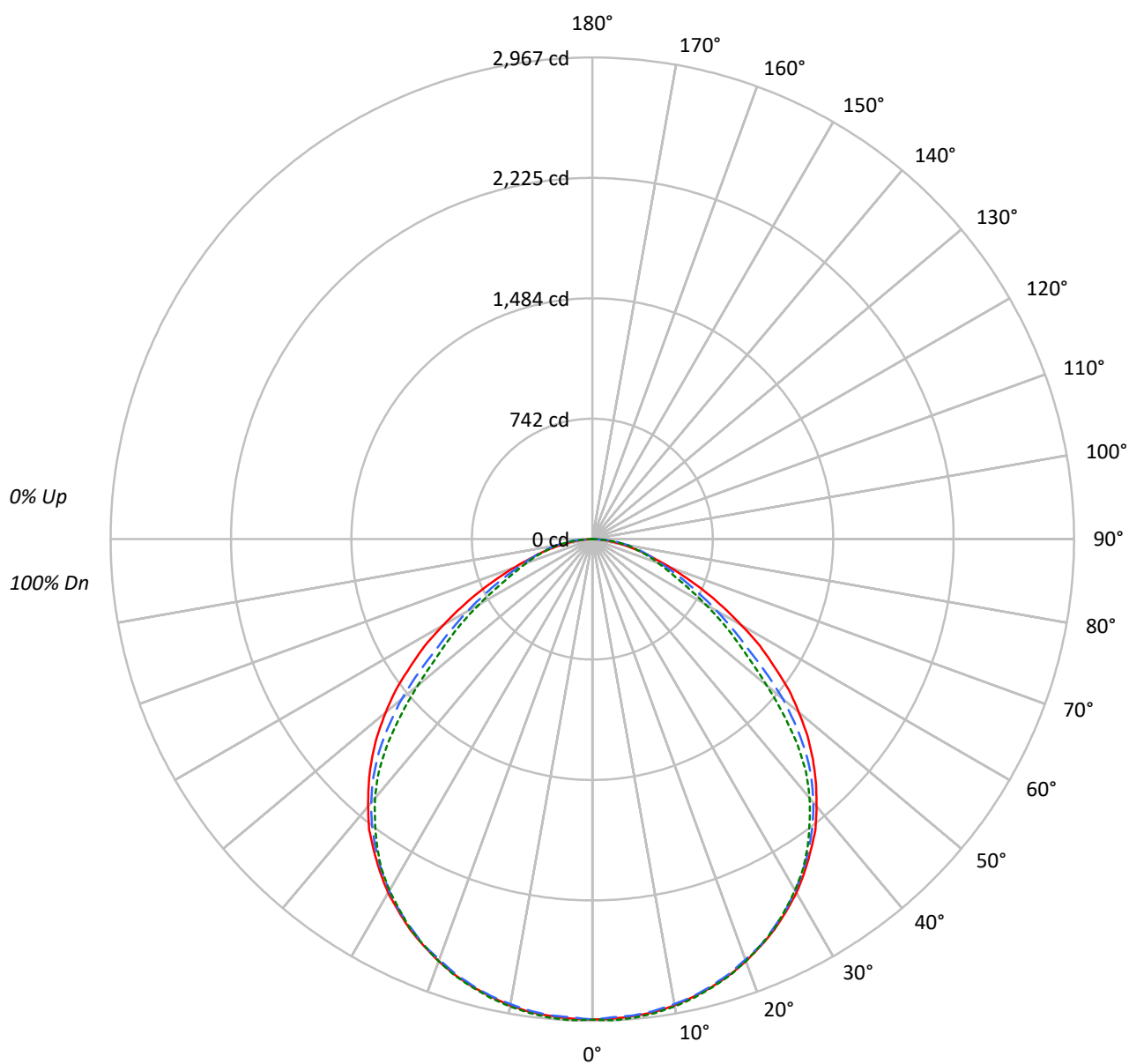
Lumens per Lamp: N/A
Luminaire Lumens: 7379.8 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050607

CATALOG NUMBER: 24PTR-90-PB1-L935-UNV-STD-W

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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3982	3982	3982
5°	3982	3978	3997
10°	3984	3974	3994
15°	3976	3965	3980
20°	3961	3946	3961
25°	3940	3923	3934
30°	3908	3885	3880
35°	3850	3821	3797
40°	3772	3721	3657
45°	3657	3539	3394
50°	3475	3208	2933
55°	3202	2724	2527
60°	2851	2381	2165
65°	2446	2064	1843
70°	2019	1819	1690
75°	1703	1740	1647
80°	1439	1777	1694
85°	1127	1800	1575

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3657 cd/sqm

TEST NUMBER: P1050607

CATALOG NUMBER: 24PTR-90-PB1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.6	3.8
10°-20°	805.2	10.9
20°-30°	1219.7	16.5
30°-40°	1453.4	19.7
40°-50°	1421.2	19.3
50°-60°	1075.0	14.6
60°-70°	660.5	8.9
70°-80°	351.9	4.8
80°-90°	112.3	1.5
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°	2305.5	31.2
0°-40°	3758.9	50.9
0°-60°	6255.2	84.8
0°-90°	7379.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7379.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2960	2960	2960	2960	2960	
5°	2948	2952	2945	2956	2960	281
15°	2854	2858	2847	2858	2858	805
25°	2654	2650	2643	2646	2650	1222
35°	2344	2341	2326	2315	2312	1466
45°	1922	1911	1860	1798	1784	1478
55°	1365	1296	1161	1096	1077	1222
65°	768	706	648	597	579	764
75°	328	331	335	324	317	351
85°	73	95	117	109	102	88
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-90-PB1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2959.5	2959.5	2959.5	2959.5	2959.5
2.5°	2956.1	2959.5	2948.5	2963.4	2966.8
5°	2948.5	2952.3	2945.0	2956.1	2959.5
7.5°	2937.8	2937.8	2930.5	2941.2	2945.0
10°	2916.0	2916.0	2908.7	2919.4	2923.2
12.5°	2886.9	2886.9	2883.1	2890.4	2894.2
15°	2854.1	2857.5	2846.8	2857.5	2857.5
17.5°	2813.9	2810.5	2806.7	2813.9	2817.8
20°	2766.5	2766.5	2755.8	2763.1	2766.5
22.5°	2711.9	2711.9	2708.5	2711.9	2708.5
25°	2653.8	2650.0	2642.7	2646.5	2650.0
27.5°	2584.6	2584.6	2577.4	2577.4	2573.5
30°	2515.5	2511.6	2500.9	2493.7	2497.1
32.5°	2431.8	2427.9	2417.2	2410.0	2413.4
35°	2344.2	2340.8	2326.3	2315.2	2311.8
37.5°	2257.1	2246.0	2227.7	2213.2	2198.6
40°	2147.8	2136.7	2118.8	2085.9	2082.1
42.5°	2038.5	2027.8	1998.4	1958.6	1947.5
45°	1921.9	1911.2	1860.0	1798.1	1783.6
47.5°	1798.1	1780.2	1699.9	1623.5	1594.4
50°	1660.2	1627.3	1532.5	1434.3	1401.4
52.5°	1525.2	1467.2	1343.3	1255.8	1223.3
55°	1365.1	1295.9	1161.4	1095.7	1077.3
57.5°	1223.3	1128.6	1019.3	953.9	939.4
60°	1059.4	971.9	884.7	826.3	804.5
62.5°	910.0	833.5	760.9	709.7	684.5
65°	768.2	706.3	648.2	597.0	579.0
67.5°	629.8	597.0	549.6	509.8	498.7
70°	513.3	494.9	462.4	444.1	429.6
72.5°	407.8	415.0	393.3	386.0	374.9
75°	327.5	331.3	334.8	324.1	316.8
77.5°	247.6	265.6	280.1	272.9	265.6
80°	185.7	203.7	229.3	218.6	218.6
82.5°	127.3	149.4	171.2	164.0	160.1
85°	73.0	94.8	116.6	109.3	102.0
87.5°	29.0	47.4	50.8	50.8	47.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)