

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: P1050682

Luminaire Tested: 24PTR-80-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-PC3-L935-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

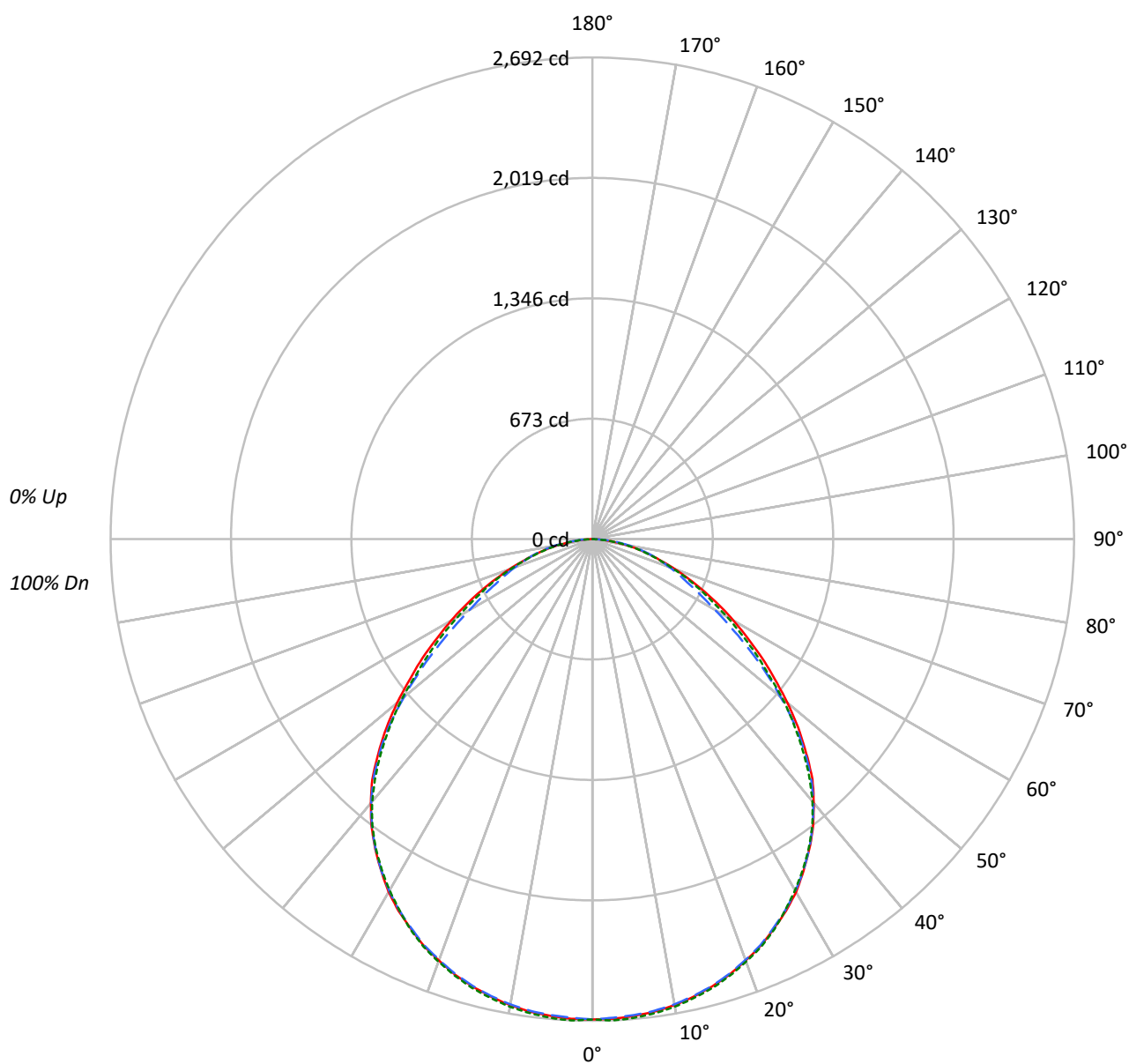
Lumens per Lamp: N/A
Luminaire Lumens: 6768.7 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3612	3612	3612
5°	3613	3607	3628
10°	3613	3607	3626
15°	3605	3601	3617
20°	3588	3583	3598
25°	3564	3558	3573
30°	3537	3526	3520
35°	3473	3470	3464
40°	3381	3377	3361
45°	3216	3192	3159
50°	2977	2877	2909
55°	2716	2496	2608
60°	2450	2129	2336
65°	2189	1905	2101
70°	1942	1802	1889
75°	1718	1747	1683
80°	1481	1668	1473
85°	1110	1320	1110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3223 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.6	3.8
10°-20°	730.9	10.8
20°-30°	1106.6	16.3
30°-40°	1319.4	19.5
40°-50°	1289.2	19.0
50°-60°	985.7	14.6
60°-70°	632.9	9.4
70°-80°	352.1	5.2
80°-90°	97.2	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°	2092.2	30.9
0°-40°	3411.5	50.4
0°-60°	5686.4	84.0
0°-90°	6768.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6768.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2685	2685	2685	2685	2685	
5°	2675	2677	2670	2683	2686	254
15°	2588	2590	2585	2594	2596	730
25°	2401	2404	2397	2405	2406	1107
35°	2115	2116	2113	2112	2109	1321
45°	1690	1694	1678	1674	1660	1300
55°	1158	1118	1064	1077	1112	1035
65°	688	635	598	618	660	686
75°	330	333	336	332	324	353
85°	72	84	86	83	72	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2684.8	2684.8	2684.8	2684.8	2684.8
2.5°	2683.0	2684.1	2677.1	2688.6	2692.5
5°	2675.4	2677.1	2670.5	2683.0	2685.8
7.5°	2663.8	2665.6	2659.0	2671.5	2672.6
10°	2644.7	2645.7	2639.8	2652.3	2654.1
12.5°	2618.8	2621.6	2615.0	2626.5	2627.2
15°	2587.8	2589.9	2585.0	2593.7	2596.5
17.5°	2551.5	2552.5	2547.7	2557.1	2558.1
20°	2506.1	2506.1	2502.3	2513.1	2513.1
22.5°	2460.1	2457.3	2456.2	2460.1	2466.0
25°	2400.8	2403.6	2396.9	2404.6	2406.4
27.5°	2343.2	2343.2	2337.3	2341.1	2336.2
30°	2276.9	2273.1	2269.2	2269.9	2265.4
32.5°	2197.0	2197.0	2195.3	2195.3	2189.3
35°	2114.7	2116.4	2112.6	2111.5	2108.7
37.5°	2026.1	2029.2	2022.2	2020.5	2018.4
40°	1925.2	1925.2	1922.4	1918.6	1913.7
42.5°	1820.6	1820.6	1808.3	1798.6	1791.9
45°	1690.1	1693.9	1677.5	1673.7	1660.4
47.5°	1560.3	1557.5	1535.5	1532.7	1525.0
50°	1422.1	1405.7	1374.3	1382.7	1389.7
52.5°	1283.9	1263.7	1217.7	1227.1	1238.6
55°	1158.0	1117.9	1064.1	1077.4	1111.9
57.5°	1026.5	972.7	919.0	944.1	987.0
60°	910.3	849.9	791.3	818.2	868.1
62.5°	799.0	734.8	687.7	713.5	755.7
65°	687.7	634.6	598.4	618.2	659.8
67.5°	585.8	550.2	525.4	534.9	568.4
70°	493.7	471.4	458.1	460.9	480.1
72.5°	406.1	400.5	395.7	395.7	397.4
75°	330.4	333.2	336.0	331.5	323.8
77.5°	260.3	269.7	276.7	266.9	257.5
80°	191.2	206.5	215.3	204.5	190.1
82.5°	130.5	147.9	150.7	144.1	127.7
85°	71.9	84.4	85.5	82.7	71.9
87.5°	26.9	31.7	34.5	31.7	27.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)