

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: P1050197

Luminaire Tested: PTR-14-80-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050197
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: PTR-14-80-PC3-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

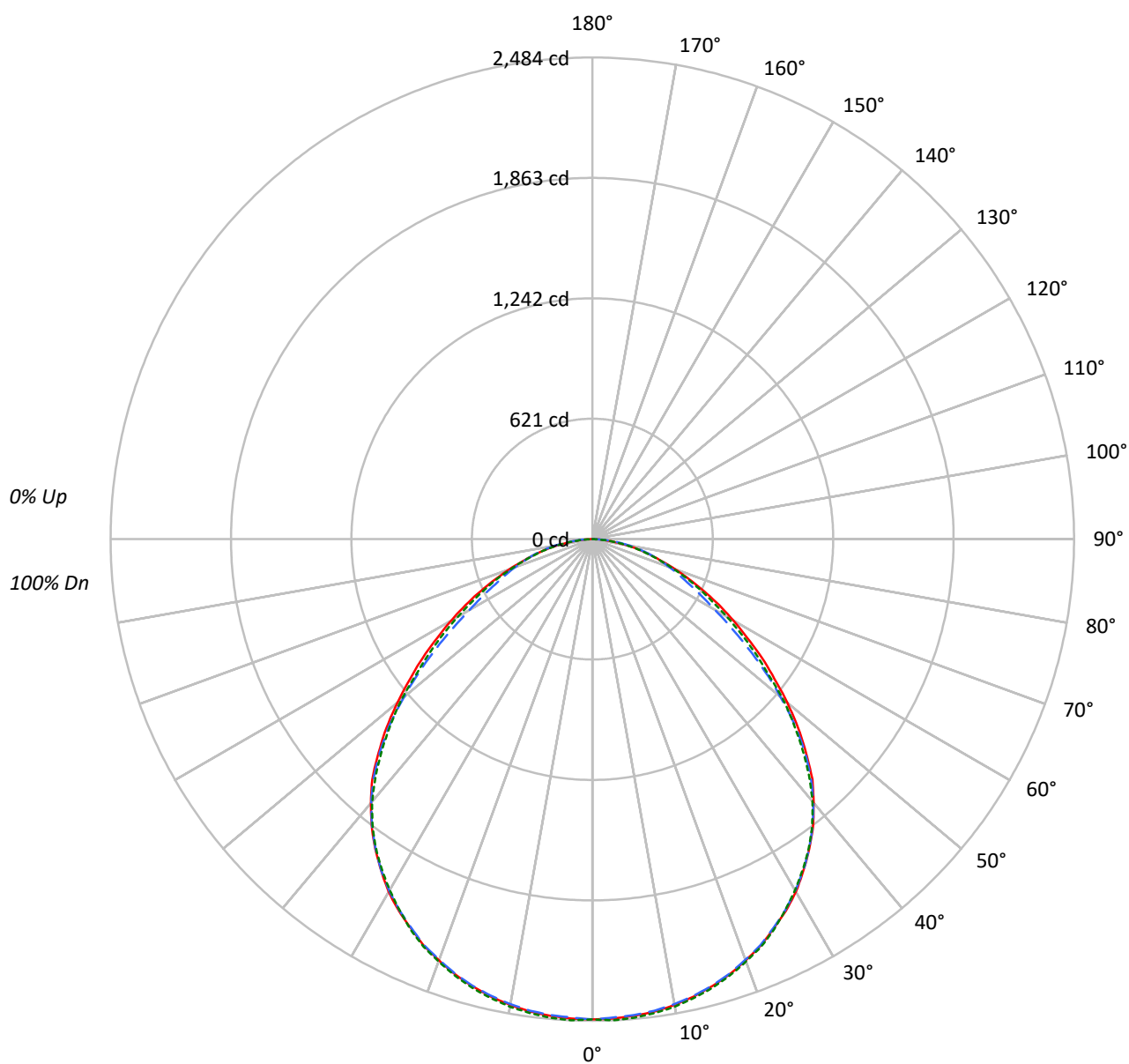
Lumens per Lamp: N/A
Luminaire Lumens: 6243.9 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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°	6664	6664	6664
5°	6666	6654	6693
10°	6666	6654	6690
15°	6650	6643	6673
20°	6620	6610	6639
25°	6576	6565	6591
30°	6527	6504	6493
35°	6408	6402	6390
40°	6238	6230	6201
45°	5933	5889	5829
50°	5492	5308	5367
55°	5012	4605	4812
60°	4519	3928	4310
65°	4039	3515	3875
70°	3583	3325	3485
75°	3169	3222	3106
80°	2734	3078	2718
85°	2047	2436	2047

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5947 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.9	3.8
10°-20°	674.2	10.8
20°-30°	1020.8	16.3
30°-40°	1217.1	19.5
40°-50°	1189.2	19.0
50°-60°	909.3	14.6
60°-70°	583.8	9.4
70°-80°	324.8	5.2
80°-90°	89.7	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°	1930.0	30.9
0°-40°	3147.0	50.4
0°-60°	5245.5	84.0
0°-90°	6243.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6243.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2477	2477	2477	2477	2477	
5°	2468	2470	2463	2475	2478	235
15°	2387	2389	2385	2393	2395	674
25°	2215	2217	2211	2218	2220	1021
35°	1951	1952	1949	1948	1945	1219
45°	1559	1563	1547	1544	1532	1200
55°	1068	1031	982	994	1026	955
65°	634	585	552	570	609	633
75°	305	307	310	306	299	326
85°	66	78	79	76	66	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2476.6	2476.6	2476.6	2476.6	2476.6
2.5°	2475.0	2476.0	2469.5	2480.1	2483.7
5°	2467.9	2469.5	2463.4	2475.0	2477.6
7.5°	2457.3	2458.9	2452.8	2464.4	2465.3
10°	2439.6	2440.6	2435.1	2446.7	2448.3
12.5°	2415.8	2418.4	2412.2	2422.9	2423.5
15°	2387.1	2389.1	2384.6	2392.6	2395.2
17.5°	2353.7	2354.6	2350.1	2358.8	2359.8
20°	2311.8	2311.8	2308.3	2318.3	2318.3
22.5°	2269.3	2266.8	2265.8	2269.3	2274.8
25°	2214.6	2217.2	2211.1	2218.2	2219.8
27.5°	2161.5	2161.5	2156.0	2159.6	2155.1
30°	2100.4	2096.8	2093.3	2093.9	2089.7
32.5°	2026.7	2026.7	2025.1	2025.1	2019.6
35°	1950.7	1952.3	1948.8	1947.8	1945.2
37.5°	1869.0	1871.9	1865.4	1863.8	1861.9
40°	1775.9	1775.9	1773.4	1769.8	1765.3
42.5°	1679.4	1679.4	1668.1	1659.1	1653.0
45°	1559.0	1562.6	1547.4	1543.9	1531.7
47.5°	1439.3	1436.7	1416.4	1413.9	1406.8
50°	1311.8	1296.7	1267.8	1275.5	1281.9
52.5°	1184.4	1165.7	1123.2	1131.9	1142.6
55°	1068.2	1031.2	981.6	993.9	1025.7
57.5°	946.9	897.3	847.7	870.9	910.5
60°	839.7	784.0	729.9	754.7	800.8
62.5°	737.0	677.8	634.4	658.2	697.1
65°	634.4	585.4	552.0	570.3	608.6
67.5°	540.4	507.6	484.7	493.4	524.3
70°	455.4	434.8	422.6	425.2	442.9
72.5°	374.6	369.5	365.0	365.0	366.6
75°	304.8	307.4	309.9	305.8	298.7
77.5°	240.1	248.8	255.2	246.2	237.5
80°	176.4	190.5	198.6	188.6	175.4
82.5°	120.4	136.5	139.0	132.9	117.8
85°	66.3	77.9	78.9	76.3	66.3
87.5°	24.8	29.3	31.9	29.3	25.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)