

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: P1050320

Luminaire Tested: PTR-14-70-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050320
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: PTR-14-70-PP3-L830-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

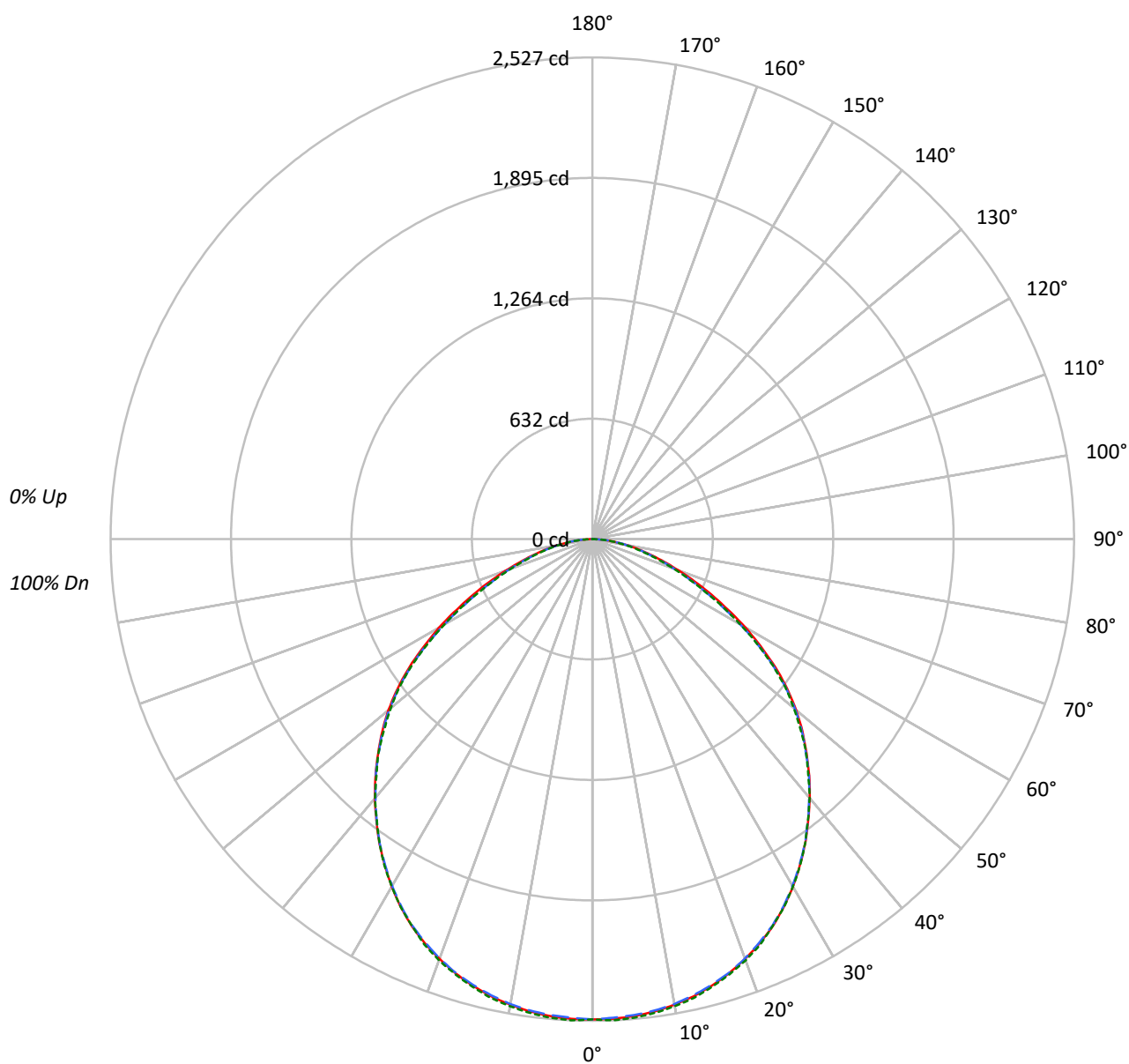
Lumens per Lamp: N/A
Luminaire Lumens: 6510.7 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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°	6781	6781	6781
5°	6787	6772	6809
10°	6777	6768	6800
15°	6755	6742	6773
20°	6711	6705	6734
25°	6651	6640	6648
30°	6539	6526	6539
35°	6397	6388	6393
40°	6233	6213	6230
45°	6046	6028	6036
50°	5844	5816	5774
55°	5501	5437	5420
60°	4992	4824	4833
65°	4385	4165	4159
70°	3792	3619	3578
75°	3279	3159	3089
80°	2904	2864	2735
85°	2402	2482	2340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6067 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.0	3.7
10°-20°	684.6	10.5
20°-30°	1030.7	15.8
30°-40°	1216.5	18.7
40°-50°	1223.5	18.8
50°-60°	1032.9	15.9
60°-70°	663.3	10.2
70°-80°	329.9	5.1
80°-90°	90.4	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°	1954.3	30.0
0°-40°	3170.8	48.7
0°-60°	5427.1	83.4
0°-90°	6510.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6510.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2520	2520	2520	2520	2520	
5°	2513	2513	2507	2519	2520	239
15°	2425	2426	2420	2431	2431	684
25°	2240	2241	2236	2241	2239	1031
35°	1947	1948	1945	1946	1946	1217
45°	1589	1594	1584	1586	1586	1226
55°	1172	1172	1159	1154	1155	1043
65°	689	679	654	647	653	687
75°	315	314	304	301	297	341
85°	78	80	80	76	76	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2519.9	2519.9	2519.9	2519.9	2519.9
2.5°	2518.9	2519.9	2513.2	2525.2	2527.2
5°	2512.6	2513.2	2506.9	2518.9	2520.5
7.5°	2499.6	2500.6	2494.9	2505.9	2507.9
10°	2480.3	2483.3	2476.7	2487.0	2488.6
12.5°	2456.7	2457.7	2451.1	2463.0	2465.0
15°	2424.8	2425.5	2420.2	2431.1	2431.1
17.5°	2387.9	2388.9	2385.3	2394.6	2393.6
20°	2343.4	2346.0	2341.4	2347.7	2351.4
22.5°	2294.9	2295.9	2290.2	2298.5	2302.2
25°	2240.0	2240.7	2236.4	2240.7	2239.0
27.5°	2175.9	2177.5	2171.2	2175.9	2176.9
30°	2104.4	2109.1	2100.1	2103.8	2104.4
32.5°	2027.7	2030.3	2024.0	2025.0	2029.7
35°	1947.2	1948.2	1944.6	1946.2	1946.2
37.5°	1860.5	1864.1	1858.5	1861.2	1857.5
40°	1774.4	1770.8	1768.8	1770.8	1773.4
42.5°	1683.7	1684.7	1682.0	1680.0	1675.7
45°	1588.6	1594.3	1584.0	1586.0	1586.0
47.5°	1495.6	1496.2	1490.9	1485.3	1481.6
50°	1395.9	1395.9	1389.2	1384.9	1379.2
52.5°	1286.9	1285.2	1277.9	1273.2	1275.9
55°	1172.5	1171.5	1158.9	1154.2	1155.2
57.5°	1047.2	1049.2	1029.9	1025.3	1025.3
60°	927.6	918.3	896.3	890.0	898.0
62.5°	802.0	791.0	767.4	767.4	773.7
65°	688.6	678.7	654.1	647.4	653.1
67.5°	582.6	573.3	550.7	547.0	548.7
70°	481.9	473.9	460.0	451.7	454.7
72.5°	395.2	387.9	378.5	372.2	368.6
75°	315.4	313.7	303.8	300.8	297.1
77.5°	249.6	248.9	240.6	237.0	233.3
80°	187.4	186.4	184.8	179.1	176.5
82.5°	133.6	133.6	132.6	128.0	125.3
85°	77.8	80.4	80.4	75.8	75.8
87.5°	31.2	32.9	31.2	31.2	30.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)