

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: P1050075

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-L830-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

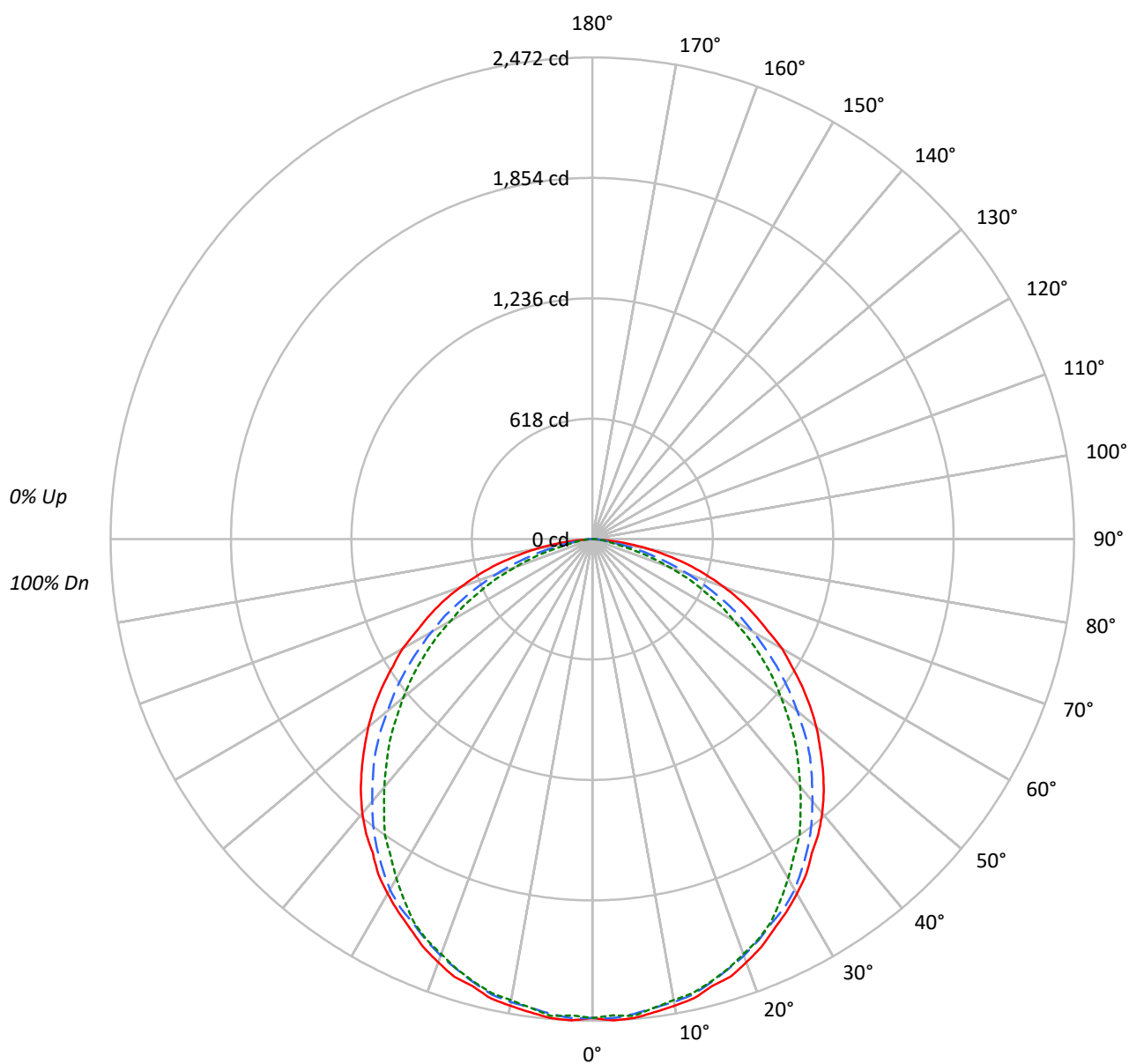
Lumens per Lamp: N/A
Luminaire Lumens: 6546.9 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6614	6614	6614
5°	6663	6608	6635
10°	6644	6592	6564
15°	6615	6562	6550
20°	6619	6515	6489
25°	6554	6459	6437
30°	6527	6455	6245
35°	6454	6338	6093
40°	6448	6171	5831
45°	6368	6011	5599
50°	6282	5743	5295
55°	6161	5474	4973
60°	6051	5121	4514
65°	5845	4698	4036
70°	5655	4089	3294
75°	5312	3226	2268
80°	4606	1951	1361
85°	3072	1402	1312

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.0	3.6
10°-20°	666.7	10.2
20°-30°	1007.0	15.4
30°-40°	1197.3	18.3
40°-50°	1214.3	18.5
50°-60°	1054.5	16.1
60°-70°	748.6	11.4
70°-80°	357.7	5.5
80°-90°	67.8	1.0
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°	1906.7	29.1
0°-40°	3104.0	47.4
0°-60°	5372.9	82.1
0°-90°	6546.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6546.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2458	2458	2458	2458	2458	
5°	2467	2458	2446	2452	2456	234
15°	2374	2380	2355	2352	2351	673
25°	2208	2205	2175	2184	2168	1020
35°	1964	1962	1929	1864	1855	1234
45°	1673	1659	1580	1496	1471	1291
55°	1313	1274	1167	1098	1060	1173
65°	918	849	738	659	634	909
75°	511	417	310	246	218	536
85°	100	53	45	44	42	126
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2457.9	2457.9	2457.9	2457.9	2457.9
2.5°	2472.5	2463.7	2460.8	2471.0	2446.2
5°	2466.6	2457.9	2446.2	2452.0	2456.4
7.5°	2449.1	2441.8	2425.7	2438.8	2425.7
10°	2431.5	2424.2	2412.5	2416.9	2402.2
12.5°	2413.9	2396.4	2393.5	2396.4	2386.1
15°	2374.4	2380.3	2355.4	2352.5	2351.0
17.5°	2355.4	2340.8	2314.4	2315.9	2312.9
20°	2311.5	2293.9	2274.9	2271.9	2266.1
22.5°	2266.1	2245.6	2228.0	2236.8	2223.6
25°	2207.5	2204.6	2175.3	2184.1	2168.0
27.5°	2156.3	2146.1	2132.9	2113.8	2090.4
30°	2100.7	2090.4	2077.3	2027.5	2009.9
32.5°	2042.1	2030.4	2004.1	1945.5	1926.5
35°	1964.5	1961.6	1929.4	1863.5	1854.7
37.5°	1906.0	1873.8	1847.4	1780.1	1755.2
40°	1835.7	1818.1	1756.7	1692.3	1660.0
42.5°	1758.1	1737.6	1667.4	1598.6	1563.4
45°	1673.2	1658.6	1579.5	1496.1	1471.2
47.5°	1585.4	1572.2	1478.5	1398.0	1365.8
50°	1500.5	1484.4	1371.7	1294.1	1264.8
52.5°	1408.3	1381.9	1270.7	1194.5	1166.7
55°	1313.1	1273.6	1166.7	1097.9	1059.9
57.5°	1212.1	1175.5	1056.9	985.2	954.5
60°	1124.3	1073.0	951.5	878.3	838.8
62.5°	1011.5	967.6	852.0	765.6	746.6
65°	917.9	849.1	737.8	658.7	633.9
67.5°	822.7	742.2	629.5	549.0	535.8
70°	718.8	635.3	519.7	440.6	418.7
72.5°	613.4	531.4	418.7	335.2	322.1
75°	510.9	417.2	310.3	245.9	218.1
77.5°	399.6	314.7	218.1	150.8	133.2
80°	297.2	212.3	125.9	89.3	87.8
82.5°	194.7	123.0	67.3	68.8	65.9
85°	99.5	52.7	45.4	43.9	42.5
87.5°	19.0	20.5	22.0	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)