

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: P1050241

Luminaire Tested: PTR-14-80-PL1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PL1-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

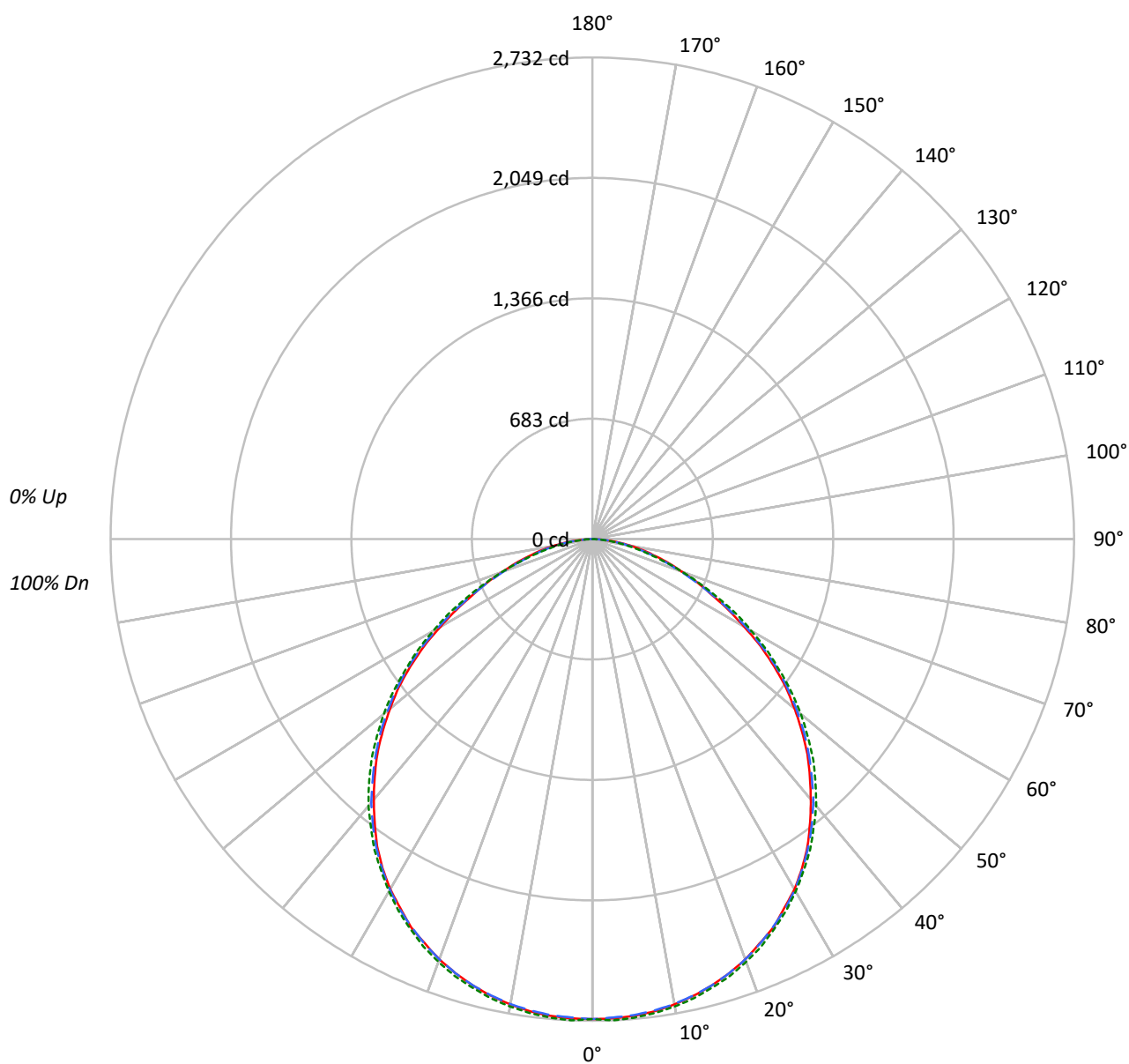
Lumens per Lamp: N/A
Luminaire Lumens: 7177.0 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7327	7327	7327
5°	7333	7319	7360
10°	7324	7316	7357
15°	7301	7298	7335
20°	7265	7265	7306
25°	7216	7206	7245
30°	7124	7135	7169
35°	6989	7015	7072
40°	6772	6850	6938
45°	6561	6615	6742
50°	6272	6339	6465
55°	5907	6002	6072
60°	5358	5472	5609
65°	4759	4811	5004
70°	4254	4168	4271
75°	3838	3617	3544
80°	3488	3237	2875
85°	2955	2683	2309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6742 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.3	3.6
10°-20°	740.7	10.3
20°-30°	1120.5	15.6
30°-40°	1335.5	18.6
40°-50°	1343.0	18.7
50°-60°	1139.8	15.9
60°-70°	758.9	10.6
70°-80°	378.9	5.3
80°-90°	101.4	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°	2119.5	29.5
0°-40°	3455.0	48.1
0°-60°	5937.8	82.7
0°-90°	7177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2723	2723	2723	2723	2723	
5°	2715	2715	2710	2722	2725	258
15°	2621	2624	2620	2631	2633	739
25°	2430	2430	2427	2438	2440	1117
35°	2127	2130	2136	2150	2153	1327
45°	1724	1727	1738	1761	1772	1326
55°	1259	1268	1279	1291	1294	1122
65°	747	754	756	767	786	749
75°	369	364	348	340	341	396
85°	96	94	87	82	75	111
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2722.7	2722.7	2722.7	2722.7	2722.7
2.5°	2720.5	2722.7	2715.4	2728.6	2731.9
5°	2714.7	2715.4	2709.5	2721.6	2724.6
7.5°	2701.5	2702.6	2696.3	2709.5	2711.4
10°	2680.2	2682.4	2677.3	2689.4	2692.3
12.5°	2653.1	2656.0	2650.9	2664.1	2666.3
15°	2620.8	2623.7	2619.7	2630.7	2632.9
17.5°	2581.2	2583.4	2581.2	2591.5	2597.4
20°	2536.9	2536.9	2536.9	2546.0	2551.2
22.5°	2481.5	2486.7	2484.5	2496.6	2501.7
25°	2430.2	2430.2	2426.9	2438.3	2440.1
27.5°	2358.4	2366.4	2365.7	2375.6	2377.8
30°	2292.8	2295.0	2296.1	2303.0	2307.1
32.5°	2213.2	2215.0	2218.3	2228.2	2229.3
35°	2127.4	2129.6	2135.5	2150.5	2152.7
37.5°	2027.7	2038.7	2043.9	2060.0	2061.8
40°	1927.7	1934.6	1950.0	1966.9	1975.0
42.5°	1825.8	1833.8	1843.0	1866.1	1873.4
45°	1723.9	1726.8	1738.2	1761.3	1771.5
47.5°	1611.0	1620.1	1630.0	1650.2	1656.4
50°	1498.1	1508.0	1514.2	1532.2	1544.3
52.5°	1384.1	1393.2	1400.2	1411.2	1423.3
55°	1259.1	1267.9	1279.3	1291.3	1294.3
57.5°	1131.9	1141.8	1149.1	1162.0	1175.2
60°	995.5	1006.9	1016.8	1028.9	1042.1
62.5°	868.7	873.5	883.7	903.9	923.0
65°	747.4	753.6	755.5	766.8	785.9
67.5°	646.6	646.6	637.4	641.5	662.7
70°	540.7	536.6	529.7	525.6	542.9
72.5°	454.9	449.8	434.7	427.8	436.9
75°	369.1	364.0	347.9	339.8	340.9
77.5°	296.5	288.5	275.3	261.3	258.4
80°	225.1	221.8	208.9	195.7	185.5
82.5°	159.4	152.5	145.2	137.1	129.0
85°	95.7	93.8	86.9	81.7	74.8
87.5°	39.2	39.2	37.4	35.2	33.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)