

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: P1050437

Luminaire Tested: PTR-14-80-PW1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PW1-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

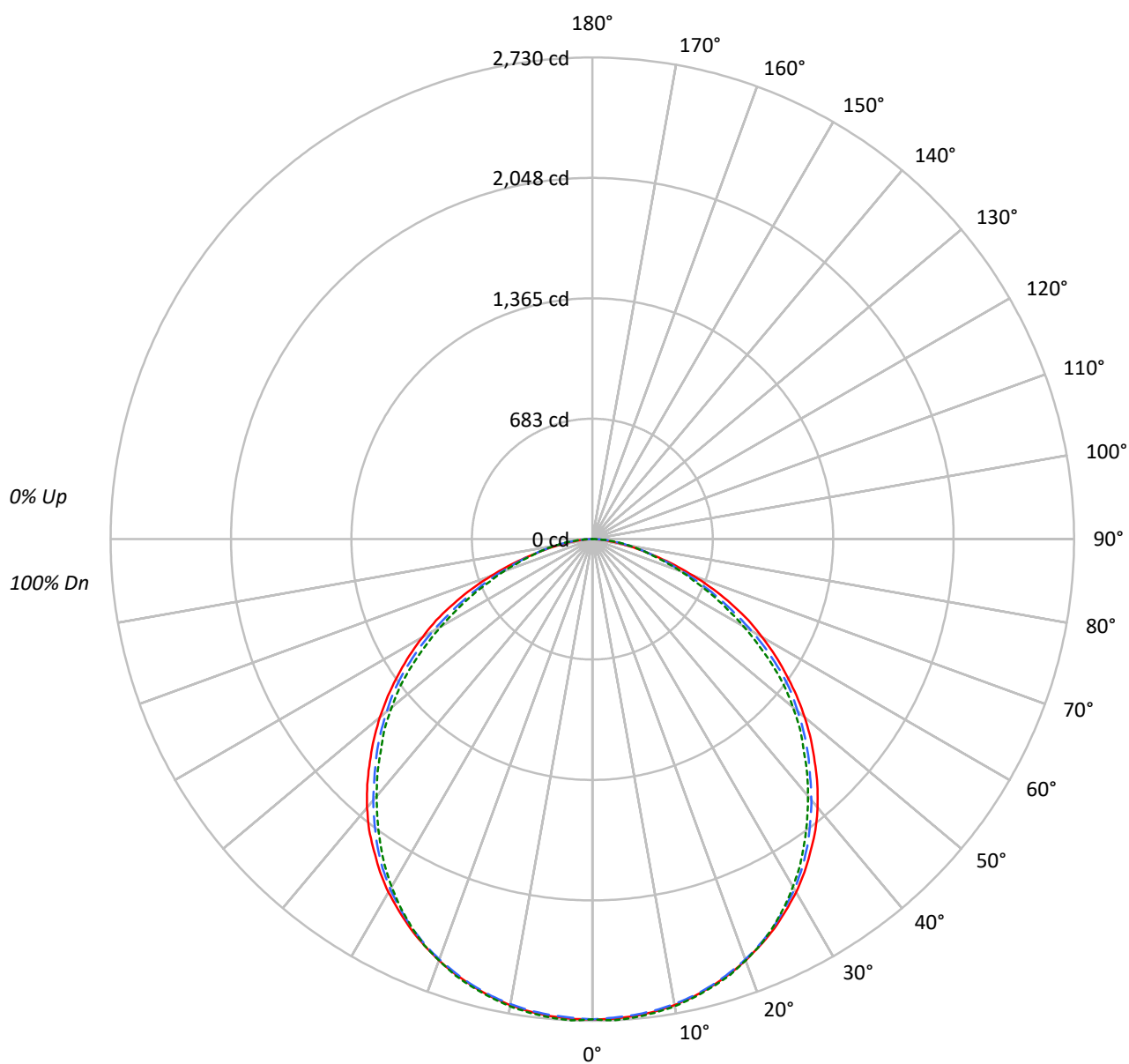
Lumens per Lamp: N/A
Luminaire Lumens: 7224.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7325	7325	7325
5°	7331	7316	7353
10°	7328	7312	7348
15°	7306	7295	7322
20°	7276	7259	7276
25°	7236	7205	7200
30°	7181	7118	7068
35°	7085	6978	6888
40°	6976	6785	6678
45°	6783	6582	6448
50°	6578	6363	6216
55°	6304	6091	5848
60°	5977	5624	5330
65°	5529	5022	4772
70°	4793	4371	4207
75°	3826	3742	3639
80°	2909	3248	3248
85°	2149	2773	2773

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6783 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.1	3.6
10°-20°	740.5	10.2
20°-30°	1119.1	15.5
30°-40°	1328.8	18.4
40°-50°	1338.7	18.5
50°-60°	1157.1	16.0
60°-70°	790.9	10.9
70°-80°	390.0	5.4
80°-90°	100.8	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°	2117.7	29.3
0°-40°	3446.4	47.7
0°-60°	5942.3	82.3
0°-90°	7224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7224.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2722	2722	2722	2722	2722	
5°	2714	2715	2708	2719	2722	258
15°	2622	2625	2618	2628	2628	740
25°	2437	2435	2427	2429	2425	1123
35°	2157	2149	2124	2105	2097	1350
45°	1782	1763	1730	1709	1694	1376
55°	1344	1340	1298	1260	1246	1201
65°	868	837	789	754	750	857
75°	368	365	360	360	350	401
85°	70	82	90	92	90	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2722.1	2722.1	2722.1	2722.1	2722.1
2.5°	2721.4	2722.1	2715.2	2727.3	2730.2
5°	2714.1	2715.2	2708.2	2719.2	2722.1
7.5°	2701.2	2703.1	2695.0	2706.0	2708.2
10°	2681.8	2682.9	2675.9	2686.9	2689.1
12.5°	2655.8	2656.5	2650.7	2660.5	2660.5
15°	2622.4	2625.4	2618.4	2627.6	2628.3
17.5°	2585.0	2586.1	2579.2	2589.1	2591.3
20°	2540.7	2540.7	2534.8	2542.9	2540.7
22.5°	2491.2	2491.2	2484.3	2488.3	2490.1
25°	2437.0	2434.8	2426.7	2428.9	2424.9
27.5°	2374.3	2374.3	2360.0	2360.0	2353.0
30°	2310.9	2305.8	2290.7	2281.6	2274.6
32.5°	2238.0	2231.0	2211.9	2195.8	2190.7
35°	2156.6	2149.3	2124.0	2104.9	2096.8
37.5°	2077.8	2061.7	2028.3	2009.2	2000.1
40°	1985.8	1965.6	1931.5	1905.2	1901.1
42.5°	1887.2	1871.1	1826.7	1807.3	1802.5
45°	1782.4	1762.9	1729.6	1709.4	1694.4
47.5°	1679.4	1665.1	1627.0	1602.8	1597.6
50°	1571.3	1559.2	1519.9	1493.9	1484.8
52.5°	1459.5	1451.4	1418.1	1384.7	1373.7
55°	1343.7	1339.6	1298.2	1259.7	1246.5
57.5°	1229.7	1224.5	1172.9	1128.5	1116.4
60°	1110.5	1095.5	1044.9	1003.5	990.3
62.5°	997.7	965.4	910.8	878.5	863.5
65°	868.3	837.1	788.7	754.3	749.5
67.5°	741.5	704.1	666.7	645.4	629.3
70°	609.2	583.9	555.6	537.7	534.7
72.5°	486.0	468.0	453.7	442.8	433.6
75°	368.0	365.1	359.9	359.9	350.0
77.5°	270.5	277.5	281.5	280.4	282.6
80°	187.7	201.6	209.6	210.7	209.6
82.5°	119.1	135.2	148.4	150.3	152.5
85°	69.6	81.7	89.8	91.6	89.8
87.5°	31.2	39.2	41.4	43.2	41.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)