

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: P1050094

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050094
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-14-80-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

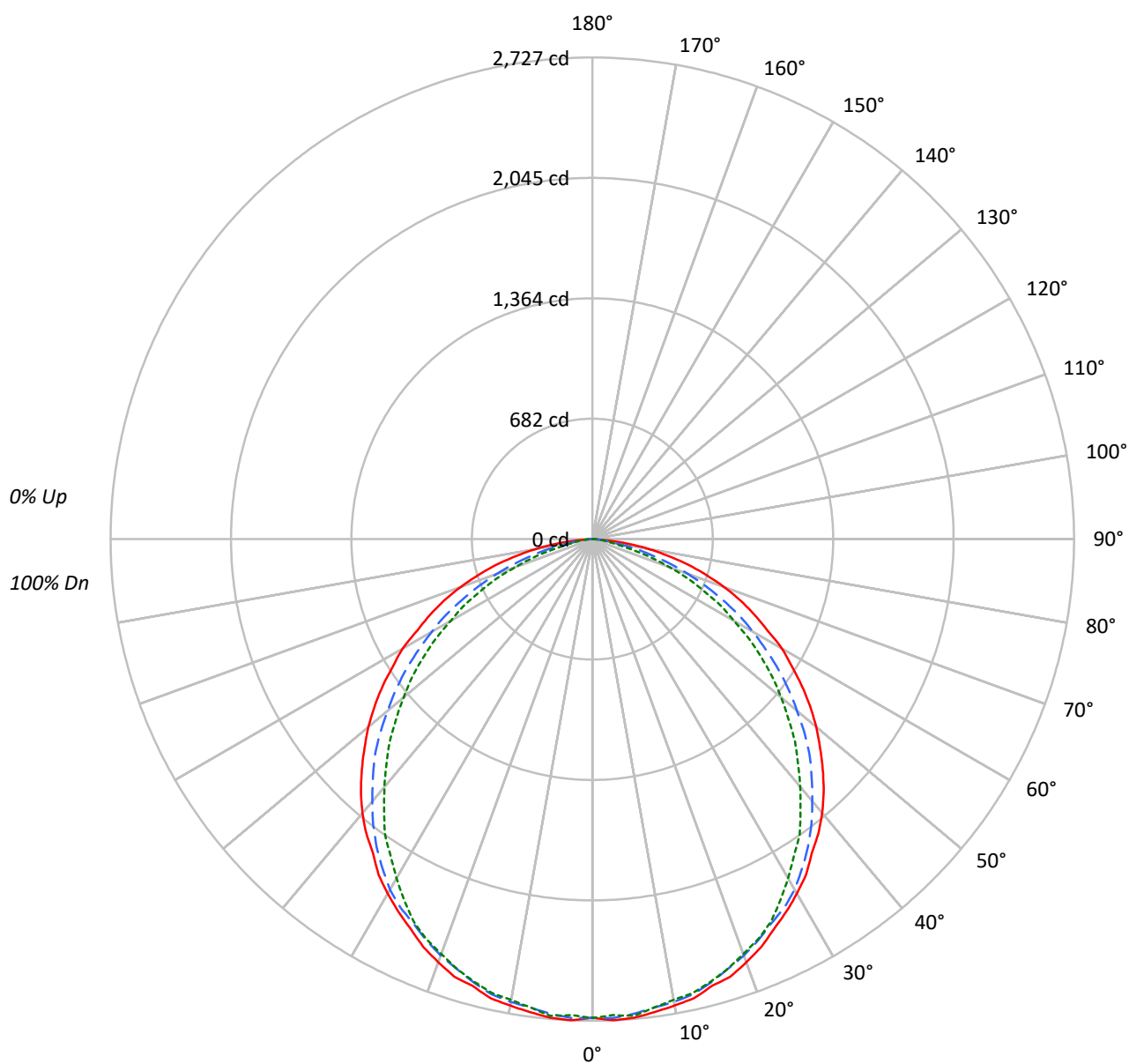
Lumens per Lamp: N/A
Luminaire Lumens: 7219.6 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	7294	7294	7294
5°	7348	7287	7317
10°	7327	7270	7239
15°	7295	7236	7223
20°	7300	7184	7156
25°	7228	7123	7099
30°	7198	7118	6887
35°	7117	6989	6719
40°	7111	6805	6431
45°	7022	6629	6174
50°	6927	6332	5839
55°	6793	6036	5484
60°	6673	5647	4978
65°	6445	5181	4451
70°	6236	4509	3633
75°	5858	3558	2501
80°	5078	2151	1502
85°	3390	1544	1445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7022 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.9	3.6
10°-20°	735.2	10.2
20°-30°	1110.5	15.4
30°-40°	1320.4	18.3
40°-50°	1339.1	18.5
50°-60°	1162.8	16.1
60°-70°	825.5	11.4
70°-80°	394.5	5.5
80°-90°	74.8	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°	2102.6	29.1
0°-40°	3423.0	47.4
0°-60°	5924.9	82.1
0°-90°	7219.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7219.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2710	2710	2710	2710	2710	
5°	2720	2710	2698	2704	2709	258
15°	2618	2625	2597	2594	2593	742
25°	2434	2431	2399	2408	2391	1124
35°	2166	2163	2128	2055	2045	1361
45°	1845	1829	1742	1650	1622	1423
55°	1448	1404	1287	1211	1169	1294
65°	1012	936	814	726	699	1003
75°	563	460	342	271	240	591
85°	110	58	50	48	47	138
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2710.4	2710.4	2710.4	2710.4	2710.4
2.5°	2726.6	2716.9	2713.6	2724.9	2697.5
5°	2720.1	2710.4	2697.5	2704.0	2708.8
7.5°	2700.7	2692.7	2674.9	2689.4	2674.9
10°	2681.4	2673.3	2660.4	2665.2	2649.1
12.5°	2662.0	2642.6	2639.4	2642.6	2631.3
15°	2618.4	2624.9	2597.4	2594.2	2592.6
17.5°	2597.4	2581.3	2552.2	2553.8	2550.6
20°	2549.0	2529.6	2508.6	2505.4	2498.9
22.5°	2498.9	2476.3	2457.0	2466.7	2452.1
25°	2434.4	2431.1	2398.9	2408.5	2390.8
27.5°	2377.9	2366.6	2352.0	2331.1	2305.2
30°	2316.5	2305.2	2290.7	2235.8	2216.4
32.5°	2252.0	2239.0	2210.0	2145.4	2124.4
35°	2166.4	2163.2	2127.6	2055.0	2045.3
37.5°	2101.8	2066.3	2037.2	1963.0	1935.5
40°	2024.3	2005.0	1937.2	1866.1	1830.6
42.5°	1938.8	1916.2	1838.7	1762.8	1724.1
45°	1845.1	1829.0	1741.8	1649.8	1622.4
47.5°	1748.3	1733.8	1630.4	1541.7	1506.1
50°	1654.7	1636.9	1512.6	1427.0	1394.8
52.5°	1553.0	1523.9	1401.2	1317.3	1286.6
55°	1448.0	1404.4	1286.6	1210.7	1168.8
57.5°	1336.6	1296.3	1165.5	1086.4	1052.5
60°	1239.8	1183.3	1049.3	968.6	925.0
62.5°	1115.5	1067.1	939.5	844.3	823.3
65°	1012.2	936.3	813.6	726.4	699.0
67.5°	907.2	818.5	694.1	605.4	590.8
70°	792.6	700.6	573.1	485.9	461.7
72.5°	676.4	586.0	461.7	369.7	355.1
75°	563.4	460.1	342.2	271.2	240.5
77.5°	440.7	347.1	240.5	166.3	146.9
80°	327.7	234.1	138.8	98.5	96.9
82.5°	214.7	135.6	74.3	75.9	72.6
85°	109.8	58.1	50.0	48.4	46.8
87.5°	21.0	22.6	24.2	24.2	24.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)