

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: P1050097

Luminaire Tested: PTR-14-80-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050097
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-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

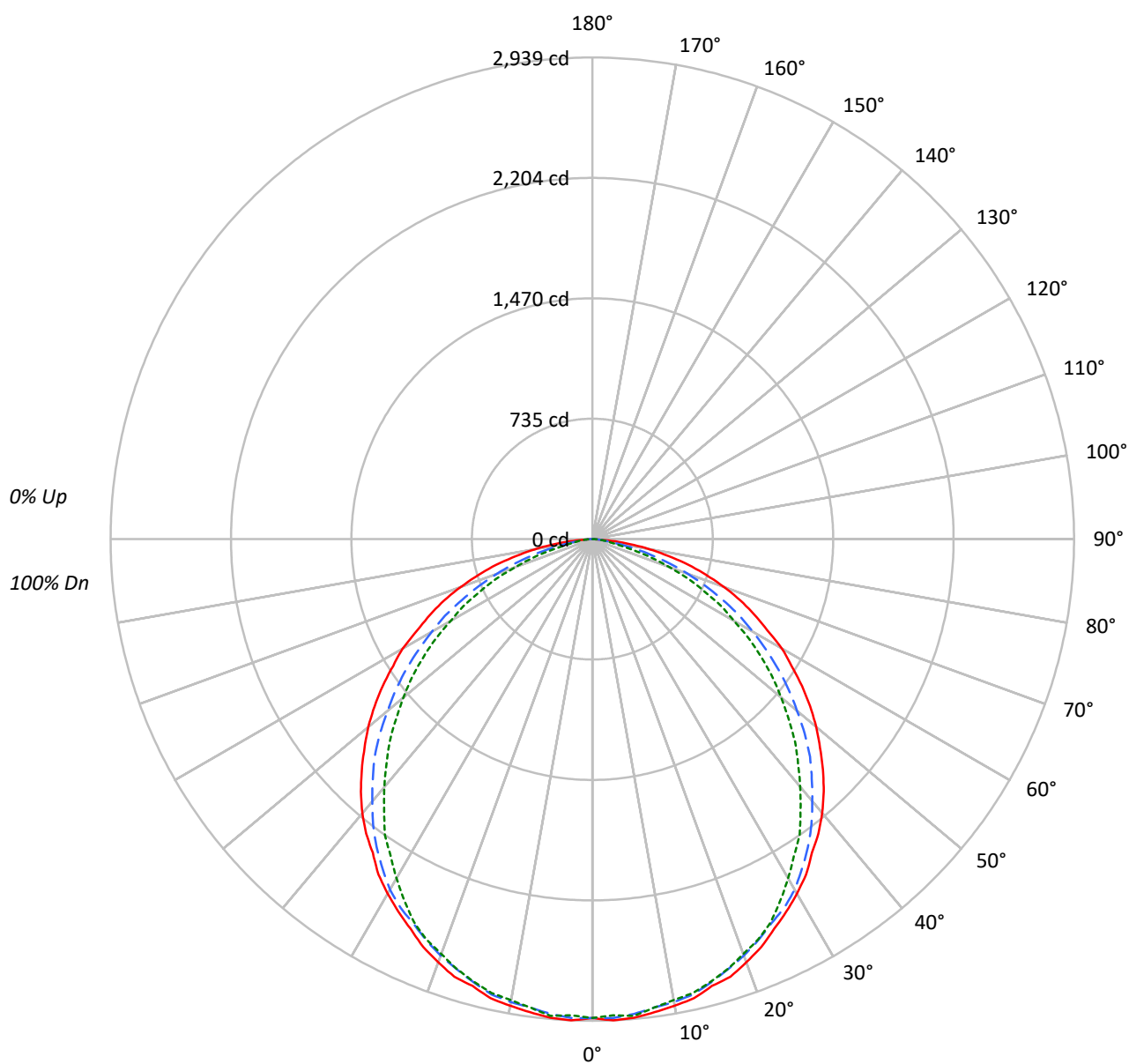
Lumens per Lamp: N/A
Luminaire Lumens: 7782.7 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	7863	7863	7863
5°	7921	7855	7888
10°	7898	7836	7803
15°	7863	7801	7786
20°	7869	7744	7714
25°	7792	7678	7652
30°	7759	7673	7424
35°	7672	7535	7243
40°	7666	7335	6932
45°	7569	7146	6656
50°	7467	6826	6294
55°	7324	6507	5911
60°	7193	6088	5366
65°	6947	5585	4798
70°	6722	4861	3916
75°	6314	3836	2696
80°	5475	2320	1618
85°	3653	1664	1559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7569 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.0	3.6
10°-20°	792.5	10.2
20°-30°	1197.1	15.4
30°-40°	1423.3	18.3
40°-50°	1443.5	18.5
50°-60°	1253.5	16.1
60°-70°	889.9	11.4
70°-80°	425.2	5.5
80°-90°	80.6	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°	2266.6	29.1
0°-40°	3689.9	47.4
0°-60°	6387.0	82.1
0°-90°	7782.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7782.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2922	2922	2922	2922	2922	
5°	2932	2922	2908	2915	2920	278
15°	2823	2830	2800	2796	2795	800
25°	2624	2621	2586	2596	2577	1212
35°	2335	2332	2294	2215	2205	1467
45°	1989	1972	1878	1778	1749	1534
55°	1561	1514	1387	1305	1260	1395
65°	1091	1009	877	783	754	1081
75°	607	496	369	292	259	637
85°	118	63	54	52	50	149
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2921.8	2921.8	2921.8	2921.8	2921.8
2.5°	2939.2	2928.8	2925.3	2937.5	2907.9
5°	2932.2	2921.8	2907.9	2914.8	2920.0
7.5°	2911.3	2902.6	2883.5	2899.2	2883.5
10°	2890.5	2881.8	2867.8	2873.1	2855.7
12.5°	2869.6	2848.7	2845.2	2848.7	2836.5
15°	2822.6	2829.6	2800.0	2796.5	2794.8
17.5°	2800.0	2782.6	2751.3	2753.0	2749.5
20°	2747.8	2726.9	2704.3	2700.8	2693.8
22.5°	2693.8	2669.5	2648.6	2659.0	2643.4
25°	2624.2	2620.7	2585.9	2596.4	2577.2
27.5°	2563.3	2551.1	2535.5	2512.8	2485.0
30°	2497.2	2485.0	2469.3	2410.2	2389.3
32.5°	2427.6	2413.7	2382.3	2312.7	2290.1
35°	2335.3	2331.9	2293.6	2215.3	2204.8
37.5°	2265.7	2227.5	2196.1	2116.1	2086.5
40°	2182.2	2161.3	2088.2	2011.7	1973.4
42.5°	2090.0	2065.6	1982.1	1900.3	1858.5
45°	1989.0	1971.6	1877.7	1778.5	1748.9
47.5°	1884.6	1869.0	1757.6	1661.9	1623.6
50°	1783.7	1764.6	1630.6	1538.3	1503.5
52.5°	1674.1	1642.7	1510.5	1420.0	1386.9
55°	1561.0	1514.0	1386.9	1305.1	1259.9
57.5°	1440.9	1397.4	1256.4	1171.2	1134.6
60°	1336.5	1275.6	1131.1	1044.1	997.1
62.5°	1202.5	1150.3	1012.8	910.1	887.5
65°	1091.1	1009.3	877.1	783.1	753.5
67.5°	978.0	882.3	748.3	652.6	636.9
70°	854.4	755.2	617.8	523.8	497.7
72.5°	729.1	631.7	497.7	398.5	382.8
75°	607.3	496.0	368.9	292.4	259.3
77.5°	475.1	374.1	259.3	179.2	158.4
80°	353.3	252.3	149.7	106.2	104.4
82.5°	231.4	146.2	80.0	81.8	78.3
85°	118.3	62.6	53.9	52.2	50.5
87.5°	22.6	24.4	26.1	26.1	26.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)