

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: P1050342

Luminaire Tested: PTR-14-80-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PP3-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

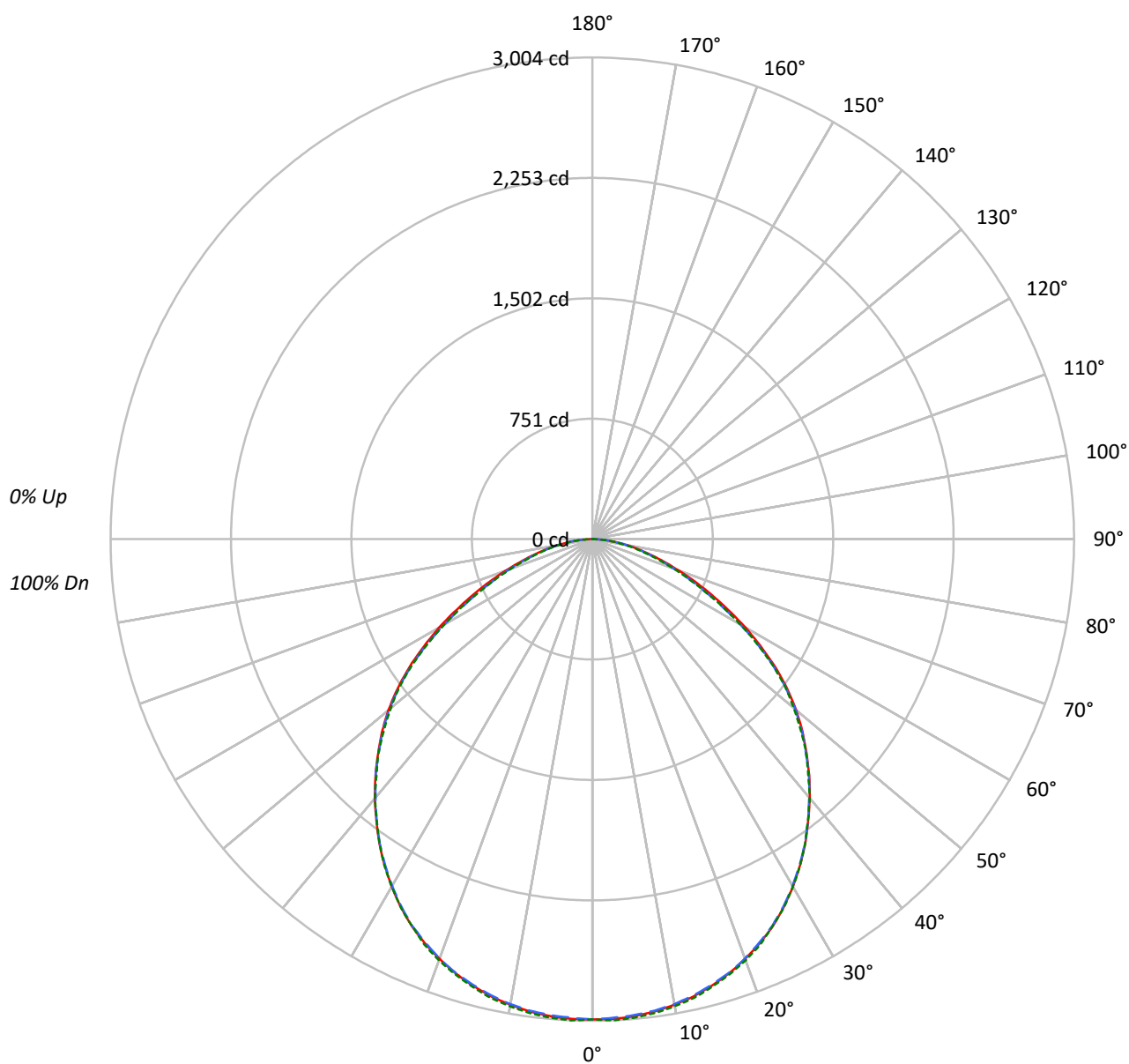
Lumens per Lamp: N/A
Luminaire Lumens: 7740.4 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8062	8062	8062
5°	8069	8051	8095
10°	8058	8046	8085
15°	8031	8016	8052
20°	7978	7971	8005
25°	7907	7894	7904
30°	7774	7758	7774
35°	7605	7595	7601
40°	7411	7387	7406
45°	7188	7167	7175
50°	6947	6914	6865
55°	6540	6464	6443
60°	5935	5735	5746
65°	5213	4951	4944
70°	4508	4303	4253
75°	3899	3754	3672
80°	3453	3405	3251
85°	2856	2952	2782

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7213 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.1	3.7
10°-20°	813.9	10.5
20°-30°	1225.4	15.8
30°-40°	1446.3	18.7
40°-50°	1454.5	18.8
50°-60°	1228.0	15.9
60°-70°	788.6	10.2
70°-80°	392.2	5.1
80°-90°	107.5	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°	2323.4	30.0
0°-40°	3769.7	48.7
0°-60°	6452.1	83.4
0°-90°	7740.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7740.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2996	2996	2996	2996	2996	
5°	2987	2988	2980	2995	2997	284
15°	2883	2884	2877	2890	2890	813
25°	2663	2664	2659	2664	2662	1225
35°	2315	2316	2312	2314	2314	1447
45°	1889	1895	1883	1886	1886	1458
55°	1394	1393	1378	1372	1373	1240
65°	819	807	778	770	776	816
75°	375	373	361	358	353	406
85°	92	96	96	90	90	109
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2995.8	2995.8	2995.8	2995.8	2995.8
2.5°	2994.6	2995.8	2987.9	3002.1	3004.5
5°	2987.1	2987.9	2980.4	2994.6	2996.6
7.5°	2971.7	2972.9	2966.2	2979.2	2981.6
10°	2948.8	2952.4	2944.5	2956.7	2958.7
12.5°	2920.8	2921.9	2914.0	2928.3	2930.6
15°	2882.8	2883.6	2877.3	2890.3	2890.3
17.5°	2839.0	2840.1	2835.8	2846.9	2845.7
20°	2786.0	2789.2	2783.6	2791.2	2795.5
22.5°	2728.3	2729.5	2722.8	2732.7	2737.0
25°	2663.1	2663.9	2658.8	2663.9	2661.9
27.5°	2586.9	2588.8	2581.3	2586.9	2588.1
30°	2501.9	2507.5	2496.8	2501.1	2501.9
32.5°	2410.6	2413.8	2406.3	2407.5	2413.0
35°	2315.0	2316.2	2311.9	2313.8	2313.8
37.5°	2211.9	2216.2	2209.5	2212.7	2208.3
40°	2109.6	2105.2	2102.8	2105.2	2108.4
42.5°	2001.7	2002.9	1999.7	1997.3	1992.2
45°	1888.7	1895.4	1883.2	1885.5	1885.5
47.5°	1778.1	1778.8	1772.5	1765.8	1761.5
50°	1659.5	1659.5	1651.6	1646.5	1639.8
52.5°	1529.9	1527.9	1519.2	1513.7	1516.9
55°	1394.0	1392.8	1377.8	1372.3	1373.4
57.5°	1245.0	1247.4	1224.5	1219.0	1219.0
60°	1102.8	1091.7	1065.6	1058.1	1067.6
62.5°	953.4	940.4	912.3	912.3	919.8
65°	818.7	806.8	777.6	769.7	776.4
67.5°	692.7	681.6	654.7	650.4	652.3
70°	572.9	563.4	546.9	537.0	540.5
72.5°	469.8	461.1	450.0	442.5	438.2
75°	375.0	373.0	361.1	357.6	353.2
77.5°	296.7	295.9	286.1	281.7	277.4
80°	222.8	221.7	219.7	213.0	209.8
82.5°	158.8	158.8	157.7	152.1	149.0
85°	92.5	95.6	95.6	90.1	90.1
87.5°	37.1	39.1	37.1	37.1	36.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)