

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: P1050145

Luminaire Tested: PTR-14-80-PB1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PB1-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

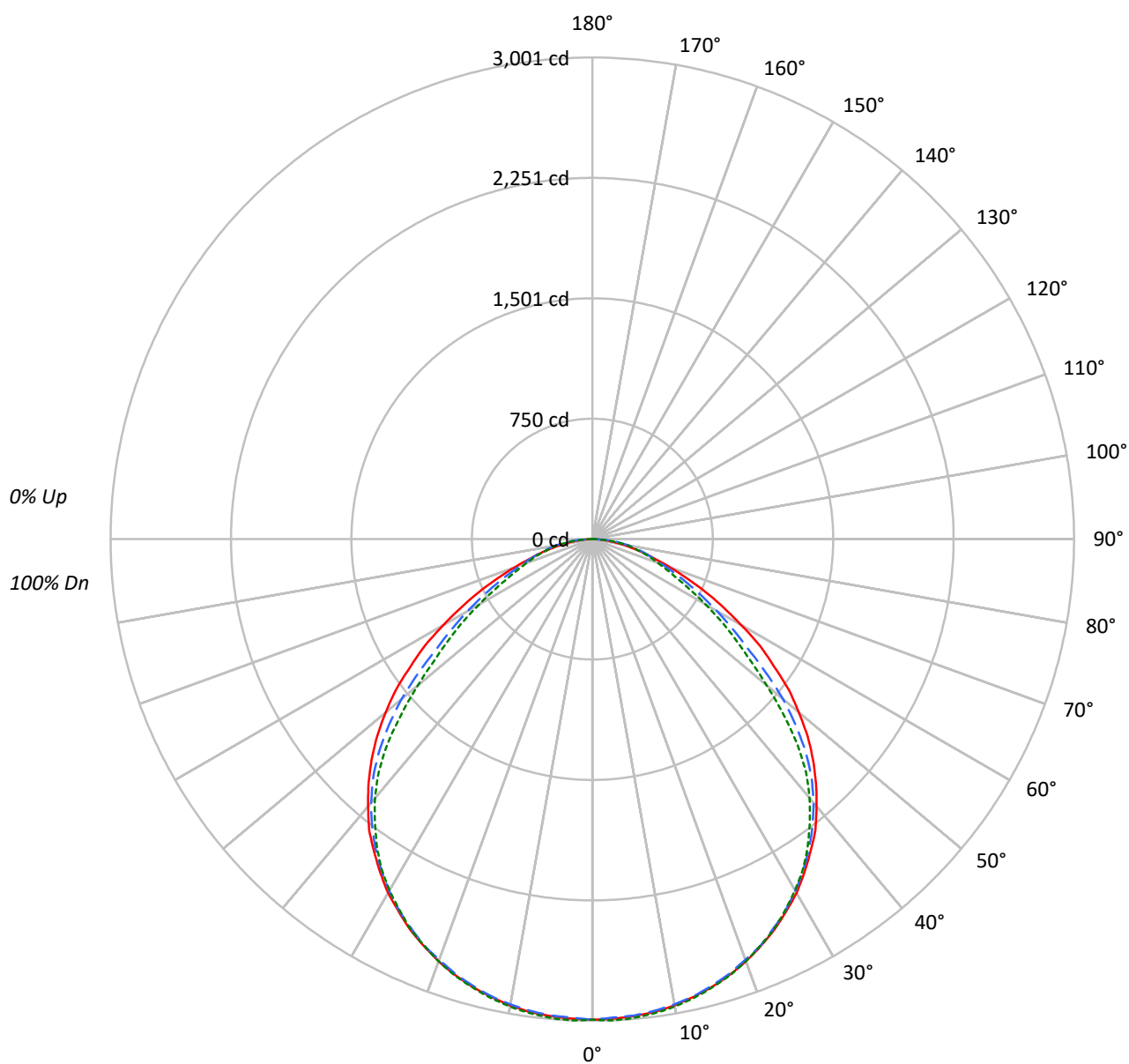
Lumens per Lamp: N/A
Luminaire Lumens: 7465.9 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8057	8057	8057
5°	8058	8048	8088
10°	8061	8041	8081
15°	8044	8023	8054
20°	8015	7984	8015
25°	7972	7938	7960
30°	7907	7862	7850
35°	7791	7731	7683
40°	7633	7530	7399
45°	7400	7161	6867
50°	7031	6491	5936
55°	6480	5513	5113
60°	5768	4817	4380
65°	4948	4175	3730
70°	4085	3681	3419
75°	3445	3522	3332
80°	2912	3595	3428
85°	2279	3640	3186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7400 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.9	3.8
10°-20°	814.6	10.9
20°-30°	1234.0	16.5
30°-40°	1470.3	19.7
40°-50°	1437.8	19.3
50°-60°	1087.6	14.6
60°-70°	668.2	8.9
70°-80°	356.0	4.8
80°-90°	113.6	1.5
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°	2332.5	31.2
0°-40°	3802.8	50.9
0°-60°	6328.2	84.8
0°-90°	7465.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7465.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2994	2994	2994	2994	2994	
5°	2983	2987	2979	2991	2994	284
15°	2887	2891	2880	2891	2891	815
25°	2685	2681	2674	2677	2681	1236
35°	2372	2368	2353	2342	2339	1483
45°	1944	1934	1882	1819	1804	1496
55°	1381	1311	1175	1108	1090	1237
65°	777	714	656	604	586	773
75°	331	335	339	328	320	355
85°	74	96	118	111	103	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2994.1	2994.1	2994.1	2994.1	2994.1
2.5°	2990.6	2994.1	2982.9	2998.0	3001.4
5°	2982.9	2986.7	2979.4	2990.6	2994.1
7.5°	2972.1	2972.1	2964.7	2975.5	2979.4
10°	2950.0	2950.0	2942.7	2953.5	2957.4
12.5°	2920.6	2920.6	2916.8	2924.1	2928.0
15°	2887.4	2890.9	2880.0	2890.9	2890.9
17.5°	2846.8	2843.3	2839.4	2846.8	2850.7
20°	2798.8	2798.8	2788.0	2795.4	2798.8
22.5°	2743.6	2743.6	2740.1	2743.6	2740.1
25°	2684.8	2680.9	2673.6	2677.4	2680.9
27.5°	2614.8	2614.8	2607.5	2607.5	2603.6
30°	2544.8	2541.0	2530.1	2522.8	2526.3
32.5°	2460.2	2456.3	2445.5	2438.1	2441.6
35°	2371.6	2368.1	2353.4	2342.2	2338.7
37.5°	2283.5	2272.2	2253.7	2239.0	2224.3
40°	2172.9	2161.7	2143.5	2110.2	2106.4
42.5°	2062.3	2051.5	2021.7	1981.5	1970.3
45°	1944.4	1933.6	1881.7	1819.1	1804.4
47.5°	1819.1	1800.9	1719.7	1642.4	1613.0
50°	1679.5	1646.3	1550.4	1451.0	1417.8
52.5°	1543.1	1484.3	1359.0	1270.5	1237.6
55°	1381.1	1311.1	1175.0	1108.5	1089.9
57.5°	1237.6	1141.7	1031.2	965.0	950.3
60°	1071.7	983.2	895.1	835.9	813.9
62.5°	920.6	843.2	769.8	718.0	692.5
65°	777.1	714.5	655.7	603.9	585.8
67.5°	637.2	603.9	556.0	515.8	504.6
70°	519.2	500.7	467.8	449.3	434.6
72.5°	412.5	419.9	397.8	390.5	379.3
75°	331.3	335.2	338.7	327.9	320.5
77.5°	250.5	268.7	283.4	276.1	268.7
80°	187.9	206.1	232.0	221.2	221.2
82.5°	128.7	151.2	173.2	165.9	162.0
85°	73.8	95.9	117.9	110.6	103.2
87.5°	29.4	47.9	51.4	51.4	47.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)