

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: P1050378

Luminaire Tested: PTR-14-70-PR1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PR1-L850-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

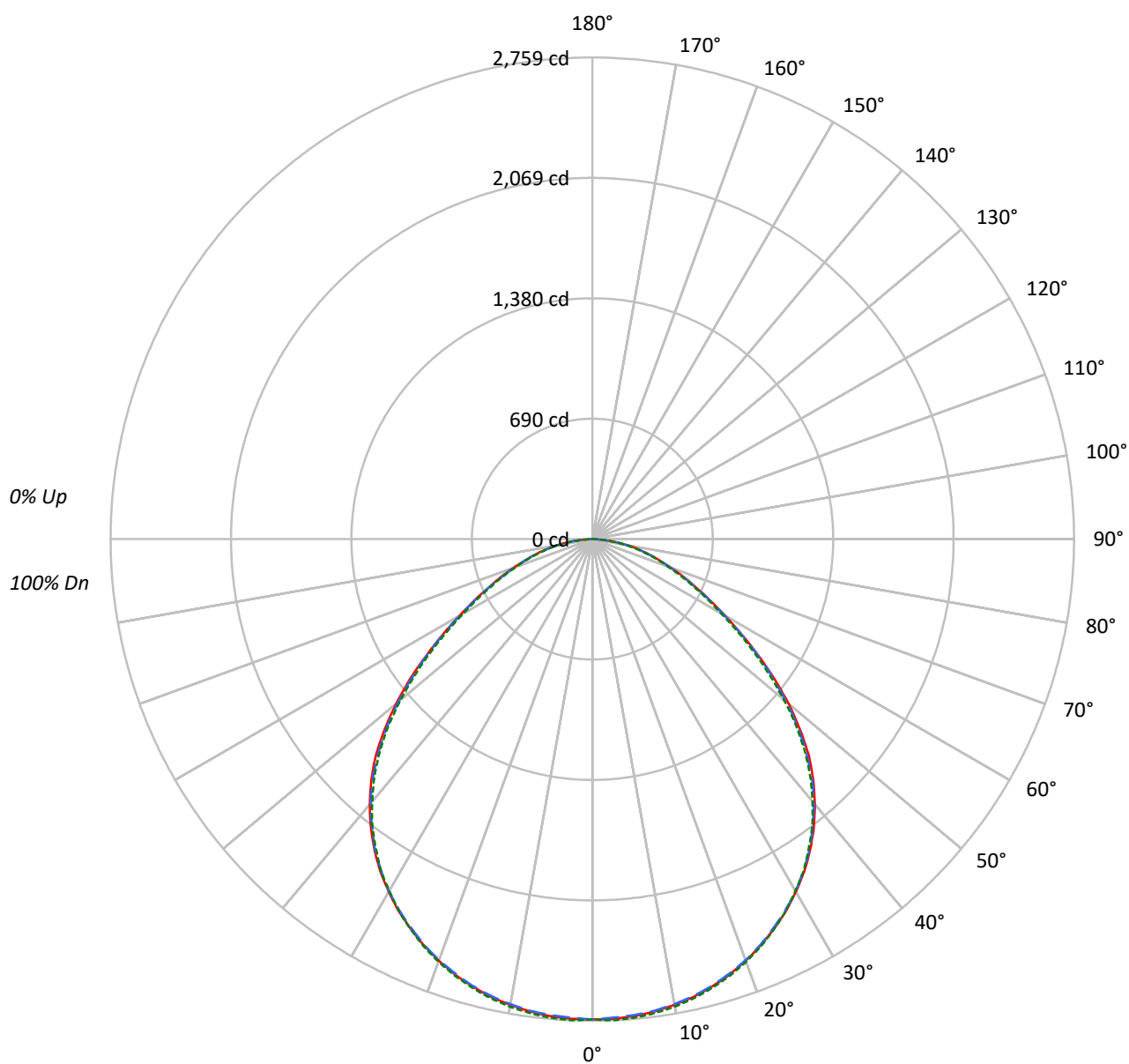
Lumens per Lamp: N/A
Luminaire Lumens: 6957.1 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7403	7403	7403
5°	7410	7393	7434
10°	7403	7391	7431
15°	7389	7378	7413
20°	7359	7350	7378
25°	7311	7293	7319
30°	7246	7237	7228
35°	7146	7129	7100
40°	6966	6938	6889
45°	6675	6600	6552
50°	6141	6072	5997
55°	5436	5412	5306
60°	4724	4707	4579
65°	4163	4138	4056
70°	3777	3723	3648
75°	3498	3415	3352
80°	3192	3147	3042
85°	2523	2501	2399

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.9	3.8
10°-20°	749.0	10.8
20°-30°	1134.7	16.3
30°-40°	1354.5	19.5
40°-50°	1332.1	19.1
50°-60°	1029.6	14.8
60°-70°	649.2	9.3
70°-80°	351.2	5.0
80°-90°	95.9	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°	2144.6	30.8
0°-40°	3499.1	50.3
0°-60°	5860.8	84.2
0°-90°	6957.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6957.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2751	2751	2751	2751	2751	
5°	2743	2744	2737	2749	2752	261
15°	2652	2653	2648	2657	2661	749
25°	2462	2464	2456	2464	2465	1135
35°	2175	2176	2170	2167	2161	1358
45°	1754	1747	1734	1721	1722	1343
55°	1159	1168	1154	1135	1131	1040
65°	654	655	650	639	637	658
75°	336	332	328	330	322	357
85°	82	83	81	82	78	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2750.9	2750.9	2750.9	2750.9	2750.9
2.5°	2749.9	2750.9	2743.1	2756.0	2758.8
5°	2743.1	2744.1	2737.0	2748.8	2752.0
7.5°	2729.1	2731.2	2724.4	2736.3	2739.1
10°	2709.4	2711.5	2704.7	2716.6	2719.4
12.5°	2685.0	2685.7	2680.0	2690.8	2693.6
15°	2652.4	2653.1	2648.5	2657.1	2661.0
17.5°	2614.8	2615.9	2609.1	2619.8	2621.6
20°	2569.7	2570.4	2566.5	2575.4	2576.5
22.5°	2519.2	2521.3	2515.2	2523.1	2524.2
25°	2462.2	2464.0	2456.1	2464.0	2465.1
27.5°	2402.0	2402.7	2395.9	2402.0	2400.9
30°	2331.8	2337.9	2328.9	2326.8	2326.1
32.5°	2259.1	2259.8	2251.2	2249.1	2253.0
35°	2175.3	2176.0	2170.2	2167.4	2161.3
37.5°	2083.5	2083.5	2072.4	2070.6	2069.6
40°	1982.9	1981.8	1975.0	1968.2	1961.0
42.5°	1873.3	1875.4	1861.4	1849.6	1847.8
45°	1754.0	1747.2	1734.3	1720.6	1721.7
47.5°	1613.2	1615.0	1597.4	1586.3	1583.4
50°	1467.0	1467.0	1450.5	1438.7	1432.6
52.5°	1314.4	1315.5	1299.7	1283.9	1280.7
55°	1158.6	1168.2	1153.5	1134.9	1131.0
57.5°	1012.8	1020.6	1006.7	987.0	985.9
60°	877.7	878.4	874.5	855.8	850.8
62.5°	762.3	757.3	755.2	745.5	739.4
65°	653.8	654.9	649.9	638.7	637.0
67.5°	566.0	564.9	556.0	549.2	545.2
70°	480.0	477.2	473.2	467.5	463.6
72.5°	403.4	403.4	400.2	398.4	391.6
75°	336.4	332.4	328.5	330.3	322.4
77.5°	272.3	268.3	265.1	261.2	259.4
80°	206.0	202.0	203.1	197.0	196.3
82.5°	142.9	142.9	141.1	136.1	137.2
85°	81.7	82.8	81.0	81.7	77.7
87.5°	29.7	30.5	32.6	30.5	30.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)