

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: P1050133

Luminaire Tested: PTR-14-70-PB1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050133
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-14-70-PB1-L850-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

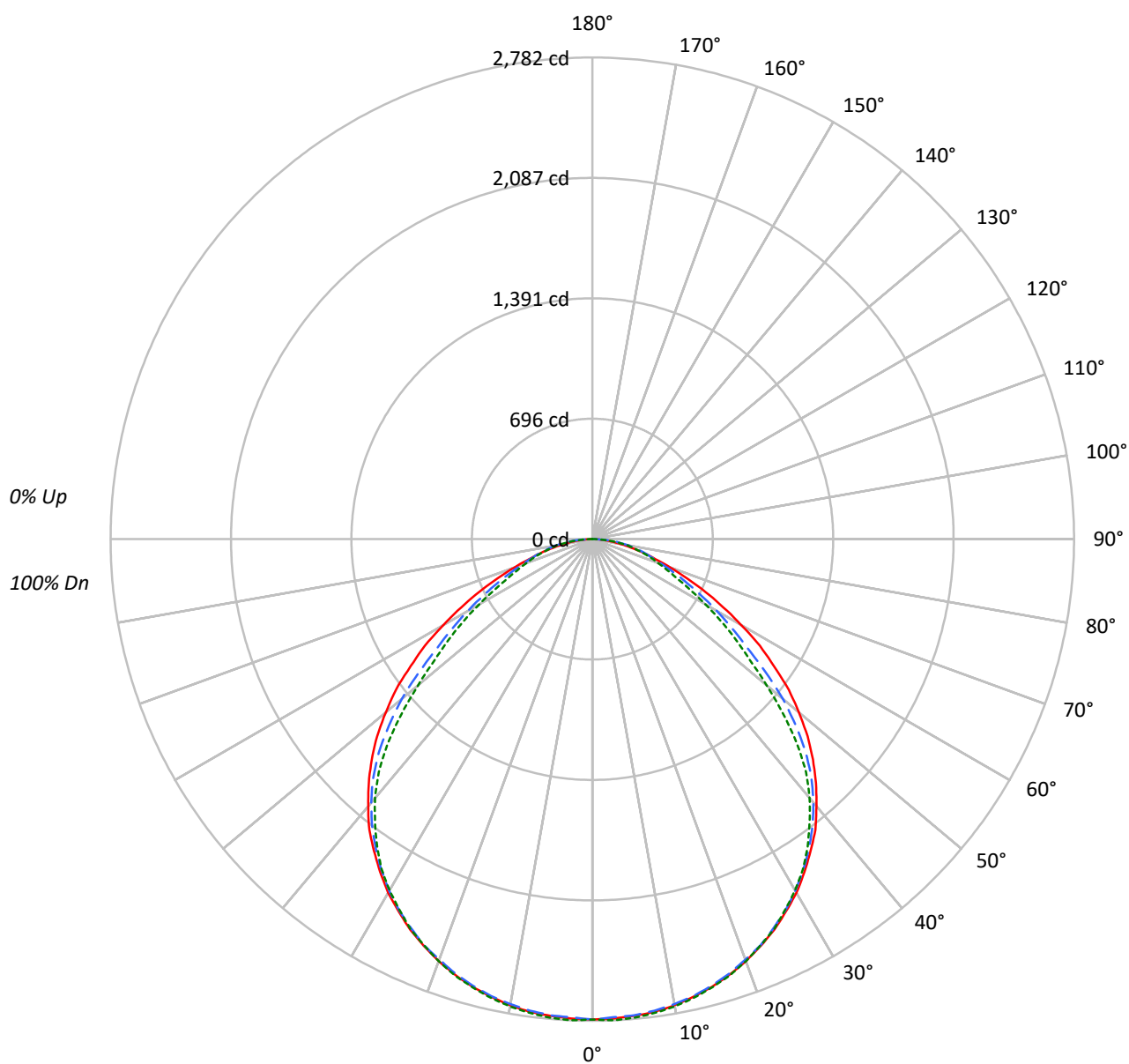
Lumens per Lamp: N/A
Luminaire Lumens: 6918.7 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7466	7466	7466
5°	7467	7458	7495
10°	7470	7452	7489
15°	7455	7436	7463
20°	7428	7399	7428
25°	7387	7356	7377
30°	7328	7286	7274
35°	7220	7165	7120
40°	7073	6978	6857
45°	6857	6636	6364
50°	6516	6015	5501
55°	6004	5109	4738
60°	5345	4464	4059
65°	4586	3869	3456
70°	3786	3411	3168
75°	3193	3264	3088
80°	2698	3332	3175
85°	2112	3375	2955

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6857 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.1	3.8
10°-20°	754.9	10.9
20°-30°	1143.5	16.5
30°-40°	1362.6	19.7
40°-50°	1332.4	19.3
50°-60°	1007.8	14.6
60°-70°	619.2	8.9
70°-80°	329.9	4.8
80°-90°	105.3	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°	2161.5	31.2
0°-40°	3524.1	50.9
0°-60°	5864.4	84.8
0°-90°	6918.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6918.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2775	2775	2775	2775	2775	
5°	2764	2768	2761	2771	2775	263
15°	2676	2679	2669	2679	2679	755
25°	2488	2484	2478	2481	2484	1146
35°	2198	2195	2181	2171	2167	1375
45°	1802	1792	1744	1686	1672	1386
55°	1280	1215	1089	1027	1010	1146
65°	720	662	608	560	543	717
75°	307	311	314	304	297	329
85°	68	89	109	102	96	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2774.6	2774.6	2774.6	2774.6	2774.6
2.5°	2771.4	2774.6	2764.3	2778.2	2781.5
5°	2764.3	2767.8	2761.0	2771.4	2774.6
7.5°	2754.2	2754.2	2747.4	2757.4	2761.0
10°	2733.8	2733.8	2727.0	2737.0	2740.6
12.5°	2706.6	2706.6	2703.0	2709.8	2713.4
15°	2675.8	2679.0	2669.0	2679.0	2679.0
17.5°	2638.1	2634.9	2631.3	2638.1	2641.7
20°	2593.7	2593.7	2583.7	2590.5	2593.7
22.5°	2542.5	2542.5	2539.2	2542.5	2539.2
25°	2488.0	2484.4	2477.6	2481.2	2484.4
27.5°	2423.2	2423.2	2416.4	2416.4	2412.8
30°	2358.3	2354.7	2344.7	2337.9	2341.1
32.5°	2279.8	2276.3	2266.2	2259.4	2262.6
35°	2197.8	2194.6	2181.0	2170.6	2167.3
37.5°	2116.1	2105.7	2088.5	2074.9	2061.3
40°	2013.6	2003.2	1986.4	1955.6	1952.0
42.5°	1911.2	1901.1	1873.5	1836.3	1825.9
45°	1801.9	1791.8	1743.8	1685.8	1672.2
47.5°	1685.8	1668.9	1593.7	1522.0	1494.8
50°	1556.4	1525.6	1436.8	1344.7	1313.9
52.5°	1430.0	1375.5	1259.4	1177.4	1146.9
55°	1279.8	1215.0	1088.9	1027.2	1010.0
57.5°	1146.9	1058.0	955.6	894.3	880.7
60°	993.2	911.1	829.5	774.6	754.2
62.5°	853.1	781.4	713.4	665.4	641.7
65°	720.2	662.1	607.7	559.7	542.8
67.5°	590.5	559.7	515.2	478.0	467.6
70°	481.2	464.0	433.5	416.3	402.7
72.5°	382.3	389.1	368.7	361.9	351.5
75°	307.1	310.6	313.9	303.8	297.0
77.5°	232.2	249.0	262.6	255.8	249.0
80°	174.1	191.0	215.0	204.9	204.9
82.5°	119.3	140.1	160.5	153.7	150.1
85°	68.4	88.9	109.3	102.5	95.7
87.5°	27.2	44.4	47.7	47.7	44.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)