

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: P1050127

Luminaire Tested: PTR-14-70-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050127
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-L835-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

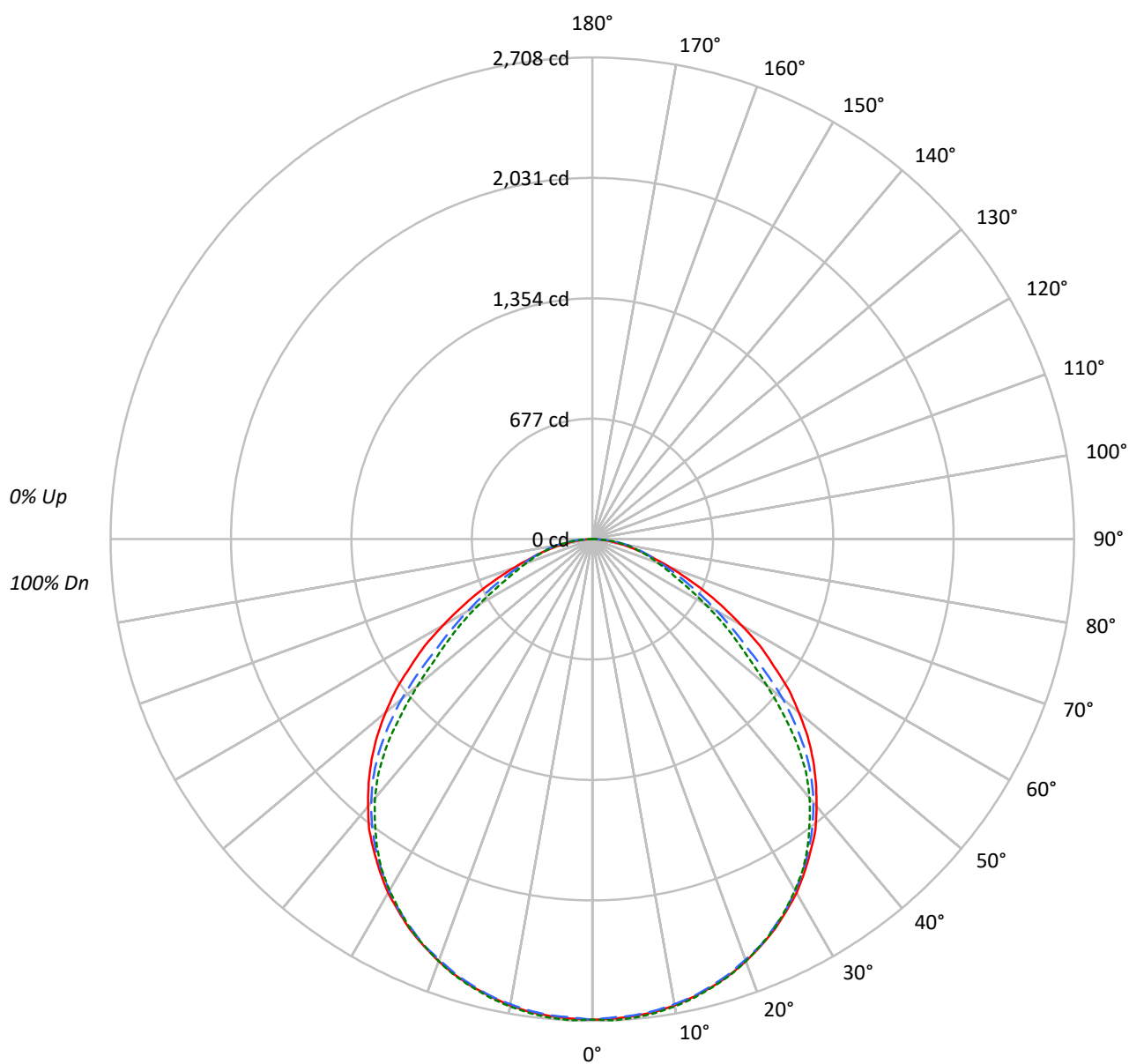
Lumens per Lamp: N/A
Luminaire Lumens: 6736.3 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	7270	7270	7270
5°	7270	7262	7297
10°	7273	7255	7291
15°	7258	7239	7267
20°	7232	7204	7232
25°	7193	7163	7182
30°	7135	7094	7083
35°	7029	6976	6932
40°	6887	6794	6676
45°	6677	6462	6196
50°	6344	5856	5355
55°	5846	4974	4614
60°	5204	4346	3952
65°	4465	3768	3365
70°	3686	3321	3085
75°	3109	3177	3007
80°	2627	3243	3092
85°	2056	3285	2875

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6677 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.1	3.8
10°-20°	735.0	10.9
20°-30°	1113.4	16.5
30°-40°	1326.6	19.7
40°-50°	1297.3	19.3
50°-60°	981.3	14.6
60°-70°	602.9	8.9
70°-80°	321.2	4.8
80°-90°	102.5	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°	2104.5	31.2
0°-40°	3431.2	50.9
0°-60°	5709.8	84.8
0°-90°	6736.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6736.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2702	2702	2702	2702	2702	
5°	2691	2695	2688	2698	2702	256
15°	2605	2608	2599	2608	2608	735
25°	2422	2419	2412	2416	2419	1116
35°	2140	2137	2124	2113	2110	1338
45°	1754	1745	1698	1641	1628	1350
55°	1246	1183	1060	1000	983	1116
65°	701	645	592	545	528	698
75°	299	302	306	296	289	321
85°	67	86	106	100	93	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2701.5	2701.5	2701.5	2701.5	2701.5
2.5°	2698.4	2701.5	2691.4	2705.0	2708.1
5°	2691.4	2694.9	2688.2	2698.4	2701.5
7.5°	2681.6	2681.6	2675.0	2684.8	2688.2
10°	2661.7	2661.7	2655.1	2664.9	2668.4
12.5°	2635.2	2635.2	2631.7	2638.4	2641.8
15°	2605.2	2608.4	2598.6	2608.4	2608.4
17.5°	2568.6	2565.4	2562.0	2568.6	2572.1
20°	2525.3	2525.3	2515.6	2522.2	2525.3
22.5°	2475.4	2475.4	2472.3	2475.4	2472.3
25°	2422.4	2418.9	2412.3	2415.8	2418.9
27.5°	2359.3	2359.3	2352.6	2352.6	2349.2
30°	2296.1	2292.6	2282.9	2276.2	2279.4
32.5°	2219.7	2216.2	2206.5	2199.9	2203.0
35°	2139.8	2136.7	2123.5	2113.3	2110.2
37.5°	2060.3	2050.2	2033.4	2020.2	2006.9
40°	1960.5	1950.4	1934.0	1904.0	1900.5
42.5°	1860.8	1851.0	1824.1	1787.9	1777.7
45°	1754.4	1744.6	1697.9	1641.3	1628.1
47.5°	1641.3	1624.9	1551.7	1481.9	1455.4
50°	1515.4	1485.4	1398.9	1309.2	1279.2
52.5°	1392.3	1339.2	1226.2	1146.3	1116.7
55°	1246.1	1183.0	1060.2	1000.2	983.4
57.5°	1116.7	1030.2	930.4	870.7	857.5
60°	967.0	887.1	807.6	754.2	734.3
62.5°	830.6	760.8	694.6	647.8	624.8
65°	701.2	644.7	591.7	544.9	528.5
67.5°	574.9	544.9	501.6	465.4	455.2
70°	468.5	451.8	422.1	405.4	392.1
72.5°	372.2	378.9	359.0	352.3	342.2
75°	299.0	302.5	305.6	295.8	289.2
77.5°	226.1	242.5	255.7	249.1	242.5
80°	169.5	185.9	209.3	199.5	199.5
82.5°	116.2	136.4	156.3	149.7	146.2
85°	66.6	86.5	106.4	99.8	93.1
87.5°	26.5	43.3	46.4	46.4	43.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)