

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: P1050372

Luminaire Tested: PTR-14-70-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050372
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-L835-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

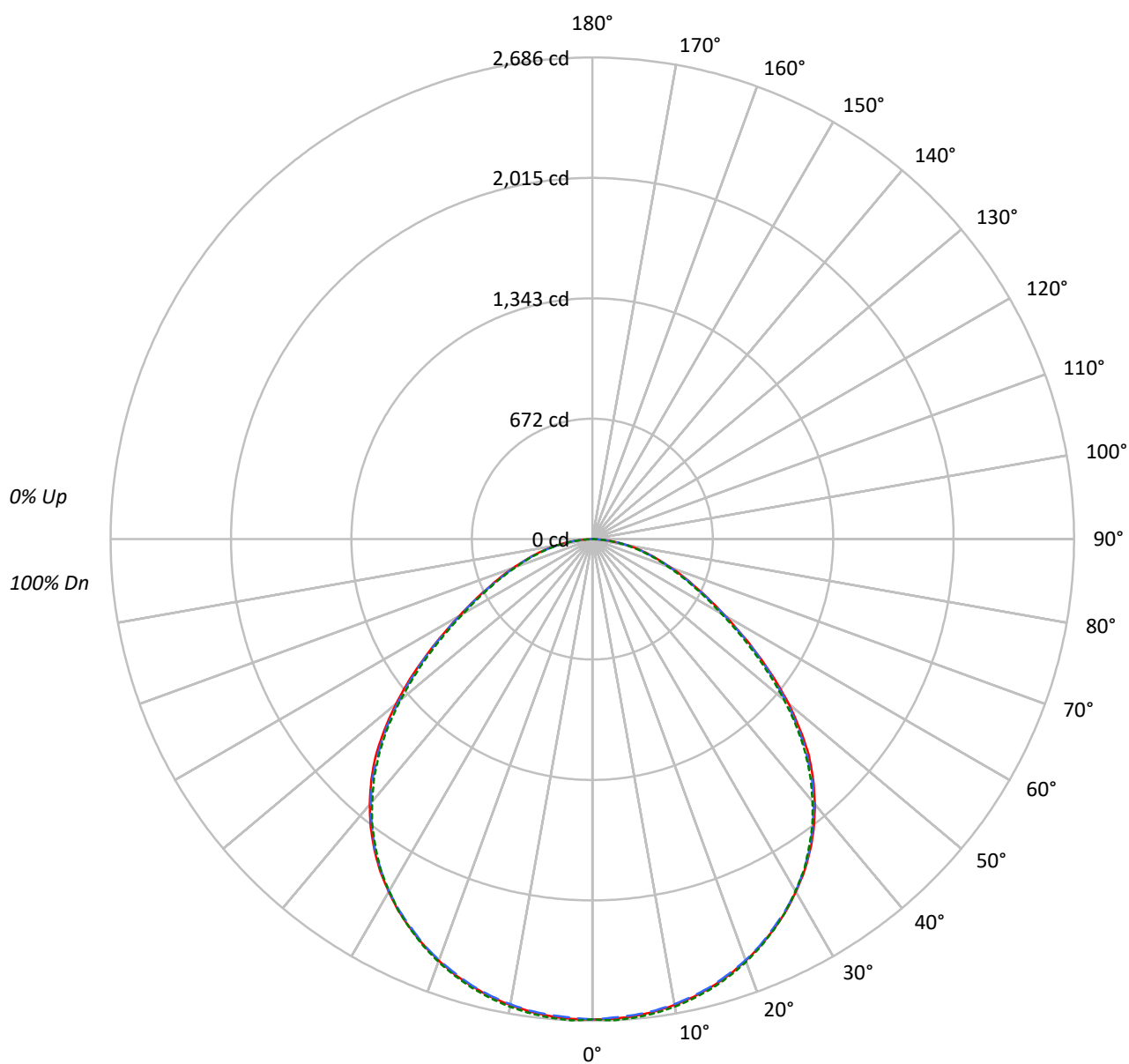
Lumens per Lamp: N/A
Luminaire Lumens: 6773.8 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7208	7208	7208
5°	7215	7198	7238
10°	7208	7196	7235
15°	7195	7184	7218
20°	7165	7156	7184
25°	7118	7100	7126
30°	7054	7046	7037
35°	6957	6941	6913
40°	6782	6755	6707
45°	6499	6426	6379
50°	5979	5912	5840
55°	5292	5269	5166
60°	4599	4582	4458
65°	4053	4029	3949
70°	3677	3626	3551
75°	3405	3326	3264
80°	3109	3065	2961
85°	2455	2433	2337

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6499 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.0	3.8
10°-20°	729.2	10.8
20°-30°	1104.8	16.3
30°-40°	1318.8	19.5
40°-50°	1297.0	19.1
50°-60°	1002.4	14.8
60°-70°	632.1	9.3
70°-80°	341.9	5.0
80°-90°	93.4	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°	2088.1	30.8
0°-40°	3406.9	50.3
0°-60°	5706.3	84.2
0°-90°	6773.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6773.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2678	2678	2678	2678	2678	
5°	2671	2672	2665	2676	2680	254
15°	2582	2583	2579	2587	2591	729
25°	2397	2399	2391	2399	2400	1105
35°	2118	2119	2113	2110	2104	1322
45°	1708	1701	1688	1675	1676	1308
55°	1128	1137	1123	1105	1101	1012
65°	637	638	633	622	620	641
75°	328	324	320	322	314	348
85°	80	81	79	80	76	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2678.4	2678.4	2678.4	2678.4	2678.4
2.5°	2677.4	2678.4	2670.8	2683.3	2686.1
5°	2670.8	2671.8	2664.8	2676.4	2679.5
7.5°	2657.2	2659.3	2652.6	2664.1	2666.9
10°	2638.0	2640.1	2633.5	2645.0	2647.8
12.5°	2614.3	2615.0	2609.4	2619.8	2622.6
15°	2582.5	2583.2	2578.7	2587.1	2590.9
17.5°	2545.9	2546.9	2540.3	2550.8	2552.5
20°	2502.0	2502.7	2498.8	2507.5	2508.6
22.5°	2452.8	2454.9	2448.9	2456.6	2457.7
25°	2397.3	2399.1	2391.4	2399.1	2400.1
27.5°	2338.7	2339.4	2332.8	2338.7	2337.7
30°	2270.3	2276.3	2267.6	2265.5	2264.8
32.5°	2199.5	2200.2	2191.9	2189.8	2193.6
35°	2117.9	2118.6	2113.0	2110.2	2104.3
37.5°	2028.6	2028.6	2017.8	2016.1	2015.0
40°	1930.6	1929.6	1922.9	1916.3	1909.3
42.5°	1823.9	1826.0	1812.4	1800.9	1799.1
45°	1707.7	1701.1	1688.5	1675.3	1676.3
47.5°	1570.7	1572.4	1555.3	1544.5	1541.7
50°	1428.3	1428.3	1412.3	1400.8	1394.9
52.5°	1279.8	1280.8	1265.5	1250.1	1247.0
55°	1128.0	1137.4	1123.1	1105.0	1101.2
57.5°	986.1	993.7	980.1	960.9	959.9
60°	854.6	855.3	851.4	833.3	828.4
62.5°	742.2	737.4	735.3	725.9	719.9
65°	636.6	637.6	632.7	621.9	620.2
67.5°	551.1	550.1	541.3	534.7	530.9
70°	467.4	464.6	460.8	455.2	451.3
72.5°	392.8	392.8	389.6	387.9	381.2
75°	327.5	323.7	319.9	321.6	313.9
77.5°	265.1	261.3	258.1	254.3	252.5
80°	200.6	196.7	197.8	191.8	191.1
82.5°	139.2	139.2	137.4	132.5	133.6
85°	79.5	80.6	78.8	79.5	75.7
87.5°	29.0	29.6	31.7	29.6	29.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)