

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: P1050176

Luminaire Tested: PTR-14-70-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PC3-L835-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

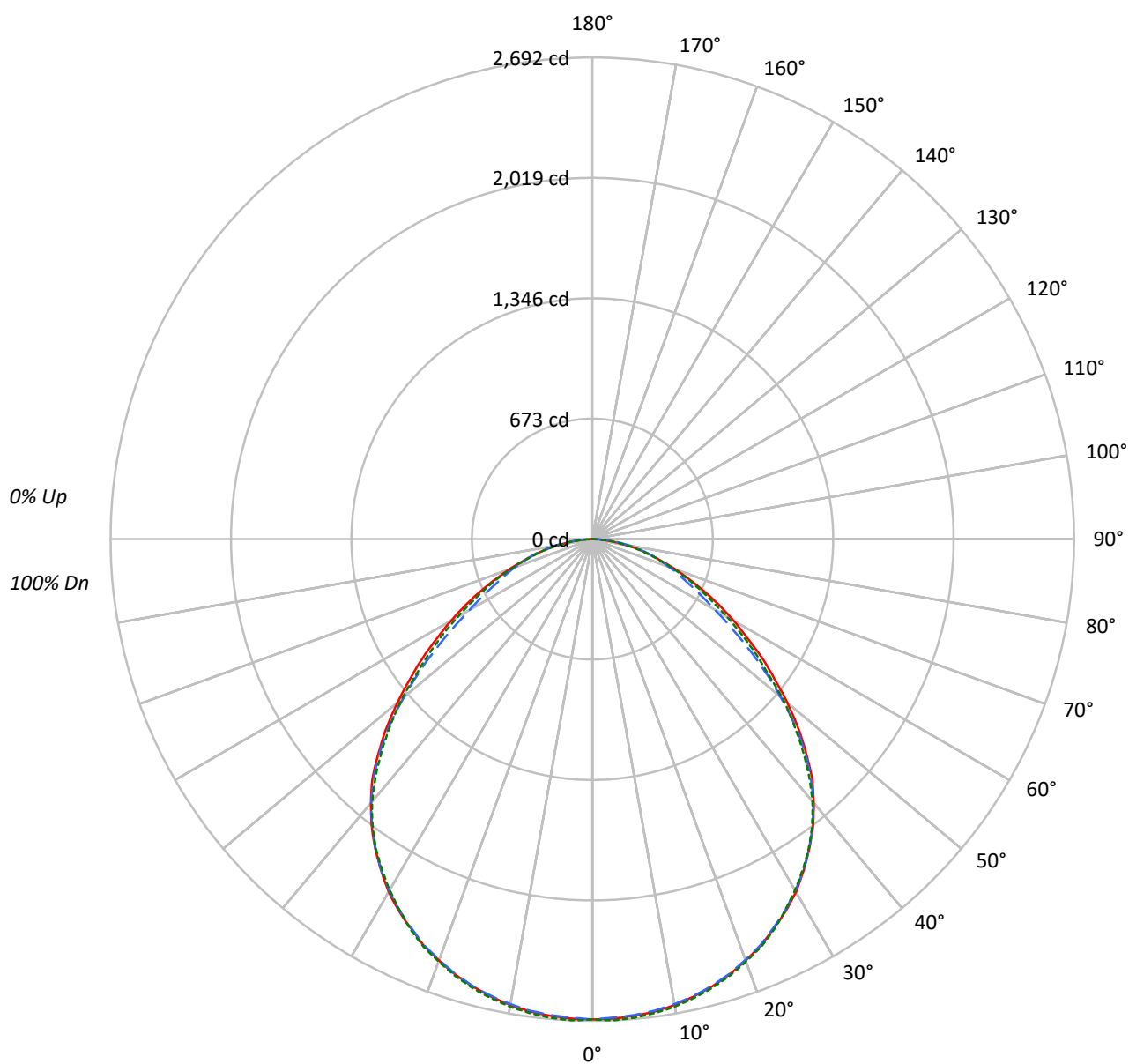
Lumens per Lamp: N/A
Luminaire Lumens: 6767.0 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7223	7223	7223
5°	7225	7212	7253
10°	7225	7211	7250
15°	7208	7200	7232
20°	7175	7164	7195
25°	7127	7115	7143
30°	7073	7049	7038
35°	6945	6938	6926
40°	6761	6752	6721
45°	6430	6382	6317
50°	5952	5752	5816
55°	5431	4991	5216
60°	4898	4258	4671
65°	4378	3809	4200
70°	3884	3603	3777
75°	3434	3492	3366
80°	2963	3335	2946
85°	2220	2640	2220

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6445 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.6	3.8
10°-20°	730.7	10.8
20°-30°	1106.4	16.3
30°-40°	1319.0	19.5
40°-50°	1288.8	19.0
50°-60°	985.5	14.6
60°-70°	632.7	9.4
70°-80°	352.0	5.2
80°-90°	97.2	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°	2091.7	30.9
0°-40°	3410.7	50.4
0°-60°	5685.1	84.0
0°-90°	6767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6767.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2684	2684	2684	2684	2684	
5°	2675	2676	2670	2682	2685	254
15°	2587	2589	2584	2593	2596	730
25°	2400	2403	2396	2404	2406	1107
35°	2114	2116	2112	2111	2108	1321
45°	1690	1694	1677	1673	1660	1300
55°	1158	1118	1064	1077	1112	1035
65°	688	634	598	618	660	686
75°	330	333	336	331	324	353
85°	72	84	86	83	72	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2684.1	2684.1	2684.1	2684.1	2684.1
2.5°	2682.4	2683.4	2676.5	2688.0	2691.8
5°	2674.7	2676.5	2669.8	2682.4	2685.2
7.5°	2663.2	2664.9	2658.3	2670.9	2671.9
10°	2644.0	2645.1	2639.1	2651.7	2653.4
12.5°	2618.2	2621.0	2614.4	2625.9	2626.6
15°	2587.2	2589.3	2584.4	2593.1	2595.9
17.5°	2550.9	2551.9	2547.0	2556.5	2557.5
20°	2505.5	2505.5	2501.7	2512.5	2512.5
22.5°	2459.5	2456.7	2455.7	2459.5	2465.4
25°	2400.2	2403.0	2396.4	2404.0	2405.8
27.5°	2342.6	2342.6	2336.7	2340.5	2335.7
30°	2276.4	2272.5	2268.7	2269.4	2264.9
32.5°	2196.5	2196.5	2194.7	2194.7	2188.8
35°	2114.2	2115.9	2112.1	2111.0	2108.2
37.5°	2025.6	2028.7	2021.7	2020.0	2017.9
40°	1924.8	1924.8	1922.0	1918.1	1913.3
42.5°	1820.1	1820.1	1807.9	1798.1	1791.5
45°	1689.7	1693.5	1677.1	1673.3	1660.0
47.5°	1559.9	1557.1	1535.1	1532.3	1524.7
50°	1421.8	1405.4	1374.0	1382.4	1389.3
52.5°	1283.6	1263.4	1217.4	1226.8	1238.3
55°	1157.7	1117.6	1063.9	1077.1	1111.7
57.5°	1026.2	972.5	918.8	943.9	986.8
60°	910.1	849.7	791.1	818.0	867.9
62.5°	798.8	734.6	687.5	713.3	755.5
65°	687.5	634.5	598.2	618.1	659.6
67.5°	585.7	550.1	525.3	534.7	568.2
70°	493.6	471.2	458.0	460.8	480.0
72.5°	406.0	400.4	395.6	395.6	397.3
75°	330.3	333.1	335.9	331.4	323.7
77.5°	260.2	269.6	276.6	266.8	257.4
80°	191.2	206.5	215.2	204.4	190.1
82.5°	130.5	147.9	150.7	144.1	127.7
85°	71.9	84.4	85.5	82.7	71.9
87.5°	26.9	31.7	34.5	31.7	27.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)