

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: P1050231

Luminaire Tested: PTR-14-70-PL1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PL1-L850-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

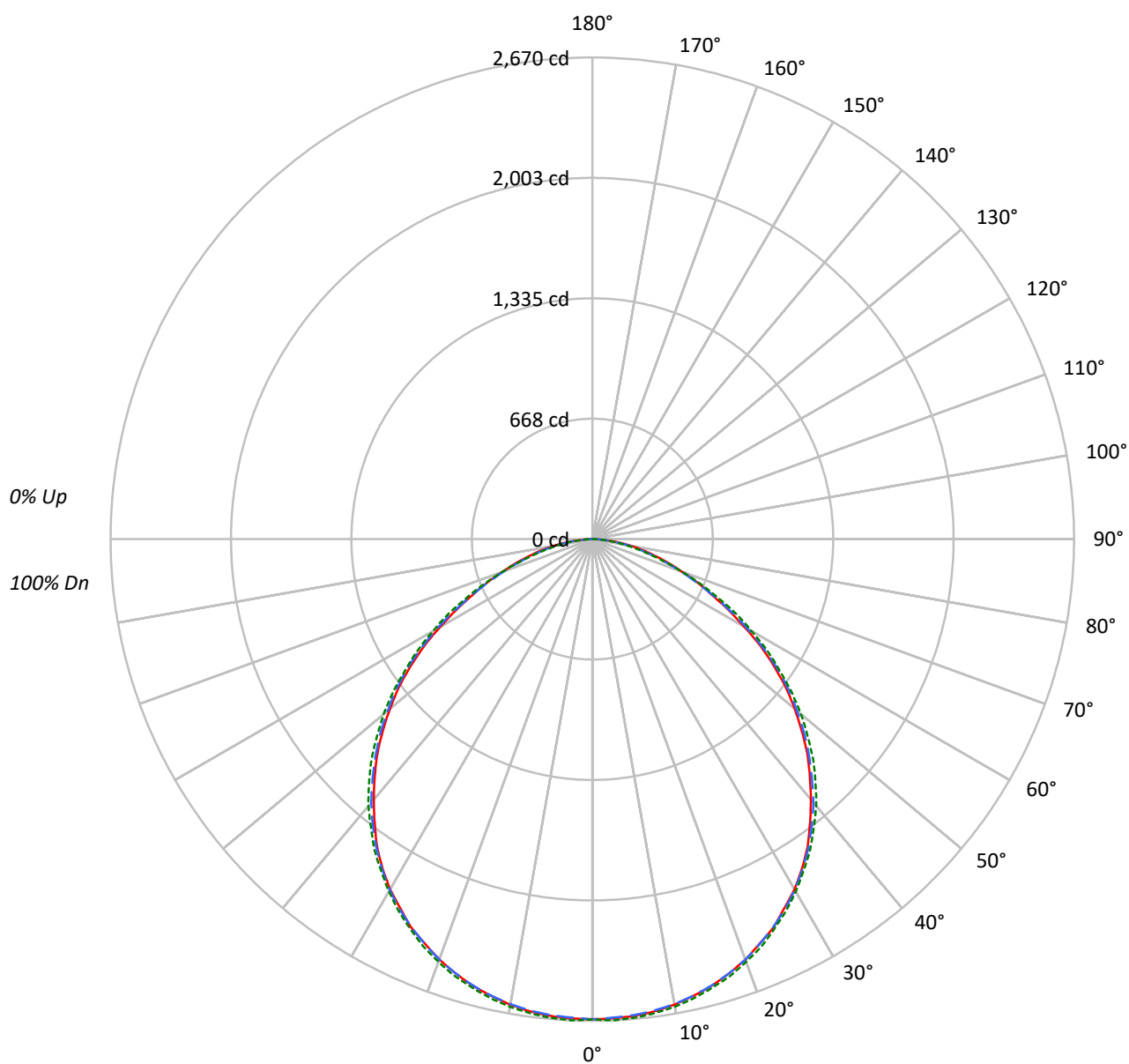
Lumens per Lamp: N/A
Luminaire Lumens: 7015.7 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7162	7162	7162
5°	7168	7155	7194
10°	7159	7151	7191
15°	7137	7134	7170
20°	7102	7102	7141
25°	7054	7044	7082
30°	6964	6974	7008
35°	6832	6858	6913
40°	6620	6696	6782
45°	6413	6466	6590
50°	6131	6197	6320
55°	5774	5867	5936
60°	5238	5350	5483
65°	4652	4702	4891
70°	4158	4074	4175
75°	3751	3535	3464
80°	3409	3164	2810
85°	2887	2621	2257

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6590 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.5	3.6
10°-20°	724.1	10.3
20°-30°	1095.3	15.6
30°-40°	1305.5	18.6
40°-50°	1312.8	18.7
50°-60°	1114.2	15.9
60°-70°	741.9	10.6
70°-80°	370.4	5.3
80°-90°	99.1	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°	2071.8	29.5
0°-40°	3377.4	48.1
0°-60°	5804.3	82.7
0°-90°	7015.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7015.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2662	2662	2662	2662	2662	
5°	2654	2654	2649	2660	2663	252
15°	2562	2565	2561	2572	2574	723
25°	2376	2376	2372	2384	2385	1092
35°	2080	2082	2088	2102	2104	1297
45°	1685	1688	1699	1722	1732	1296
55°	1231	1239	1250	1262	1265	1097
65°	731	737	738	750	768	732
75°	361	356	340	332	333	387
85°	94	92	85	80	73	108
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2661.5	2661.5	2661.5	2661.5	2661.5
2.5°	2659.4	2661.5	2654.4	2667.3	2670.5
5°	2653.6	2654.4	2648.6	2660.5	2663.3
7.5°	2640.8	2641.8	2635.7	2648.6	2650.4
10°	2620.0	2622.1	2617.1	2628.9	2631.8
12.5°	2593.5	2596.3	2591.3	2604.2	2606.4
15°	2561.9	2564.8	2560.8	2571.6	2573.7
17.5°	2523.2	2525.4	2523.2	2533.3	2539.0
20°	2479.9	2479.9	2479.9	2488.8	2493.8
22.5°	2425.8	2430.8	2428.6	2440.5	2445.5
25°	2375.6	2375.6	2372.4	2383.5	2385.3
27.5°	2305.4	2313.3	2312.5	2322.2	2324.4
30°	2241.2	2243.4	2244.5	2251.3	2255.2
32.5°	2163.5	2165.3	2168.5	2178.2	2179.2
35°	2079.6	2081.8	2087.5	2102.2	2104.4
37.5°	1982.2	1992.9	1997.9	2013.7	2015.5
40°	1884.4	1891.2	1906.2	1922.7	1930.6
42.5°	1784.7	1792.6	1801.6	1824.2	1831.3
45°	1685.1	1688.0	1699.1	1721.7	1731.7
47.5°	1574.8	1583.7	1593.4	1613.1	1619.2
50°	1464.4	1474.1	1480.2	1497.7	1509.6
52.5°	1353.0	1361.9	1368.7	1379.5	1391.3
55°	1230.8	1239.4	1250.5	1262.3	1265.2
57.5°	1106.5	1116.1	1123.3	1135.8	1148.7
60°	973.2	984.3	994.0	1005.8	1018.7
62.5°	849.2	853.9	863.9	883.6	902.2
65°	730.6	736.7	738.5	749.6	768.2
67.5°	632.1	632.1	623.1	627.0	647.8
70°	528.5	524.6	517.8	513.8	530.7
72.5°	444.7	439.6	425.0	418.1	427.1
75°	360.8	355.8	340.0	332.2	333.2
77.5°	289.9	282.0	269.1	255.5	252.6
80°	220.0	216.8	204.2	191.3	181.3
82.5°	155.9	149.1	141.9	134.0	126.1
85°	93.5	91.7	84.9	79.9	73.1
87.5°	38.3	38.3	36.5	34.4	32.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)