

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: P1050078

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-L835-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

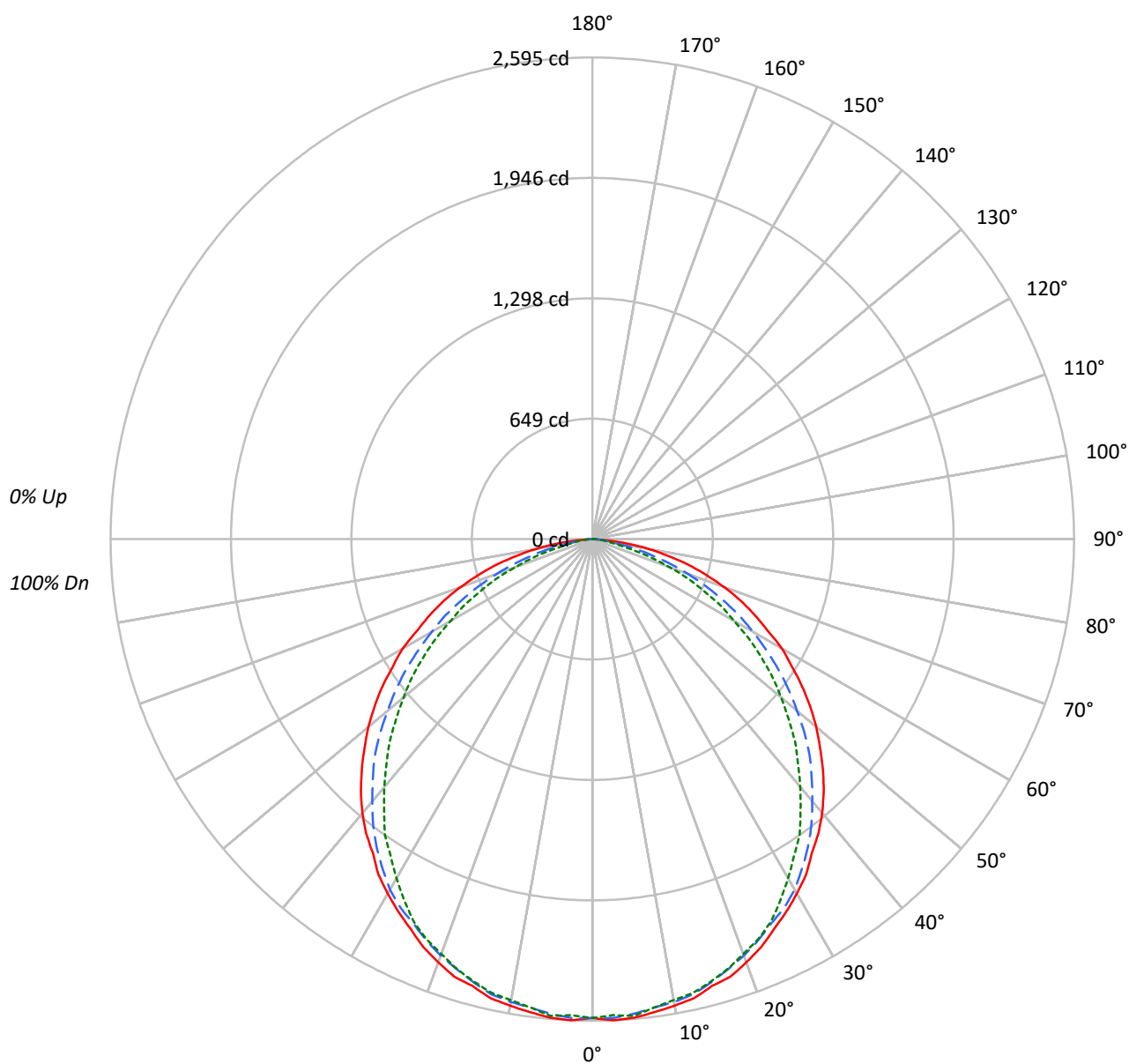
Lumens per Lamp: N/A
Luminaire Lumens: 6871.0 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6941	6941	6941
5°	6993	6935	6964
10°	6973	6918	6889
15°	6942	6887	6874
20°	6947	6837	6811
25°	6879	6779	6756
30°	6851	6774	6554
35°	6773	6652	6395
40°	6768	6476	6120
45°	6683	6309	5876
50°	6593	6027	5557
55°	6465	5745	5218
60°	6350	5374	4738
65°	6134	4930	4236
70°	5936	4291	3457
75°	5575	3386	2380
80°	4833	2047	1429
85°	3226	1470	1377

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6683 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.5	3.6
10°-20°	699.7	10.2
20°-30°	1056.9	15.4
30°-40°	1256.6	18.3
40°-50°	1274.5	18.5
50°-60°	1106.7	16.1
60°-70°	785.6	11.4
70°-80°	375.4	5.5
80°-90°	71.2	1.0
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°	2001.1	29.1
0°-40°	3257.7	47.4
0°-60°	5638.8	82.1
0°-90°	6871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6871.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2580	2580	2580	2580	2580	
5°	2589	2580	2567	2573	2578	246
15°	2492	2498	2472	2469	2467	706
25°	2317	2314	2283	2292	2275	1070
35°	2062	2059	2025	1956	1947	1296
45°	1756	1741	1658	1570	1544	1355
55°	1378	1337	1224	1152	1112	1231
65°	963	891	774	691	665	954
75°	536	438	326	258	229	562
85°	104	55	48	46	45	132
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2579.5	2579.5	2579.5	2579.5	2579.5
2.5°	2594.9	2585.7	2582.6	2593.4	2567.3
5°	2588.8	2579.5	2567.3	2573.4	2578.0
7.5°	2570.3	2562.6	2545.7	2559.6	2545.7
10°	2551.9	2544.2	2531.9	2536.5	2521.2
12.5°	2533.5	2515.0	2511.9	2515.0	2504.3
15°	2492.0	2498.1	2472.0	2468.9	2467.4
17.5°	2472.0	2456.6	2429.0	2430.5	2427.4
20°	2425.9	2407.5	2387.5	2384.4	2378.3
22.5°	2378.3	2356.8	2338.3	2347.6	2333.7
25°	2316.8	2313.8	2283.0	2292.2	2275.3
27.5°	2263.1	2252.3	2238.5	2218.5	2193.9
30°	2204.7	2193.9	2180.1	2127.9	2109.4
32.5°	2143.2	2130.9	2103.3	2041.8	2021.8
35°	2061.8	2058.7	2024.9	1955.8	1946.6
37.5°	2000.3	1966.5	1938.9	1868.2	1842.1
40°	1926.6	1908.2	1843.6	1776.0	1742.2
42.5°	1845.2	1823.7	1749.9	1677.7	1640.8
45°	1756.1	1740.7	1657.7	1570.2	1544.0
47.5°	1663.9	1650.0	1551.7	1467.2	1433.4
50°	1574.8	1557.9	1439.6	1358.1	1327.4
52.5°	1478.0	1450.3	1333.6	1253.7	1224.5
55°	1378.1	1336.6	1224.5	1152.3	1112.3
57.5°	1272.1	1233.7	1109.2	1034.0	1001.7
60°	1179.9	1126.1	998.6	921.8	880.3
62.5°	1061.6	1015.5	894.2	803.5	783.5
65°	963.3	891.1	774.3	691.4	665.2
67.5°	863.4	778.9	660.6	576.1	562.3
70°	754.4	666.8	545.4	462.4	439.4
72.5°	643.7	557.7	439.4	351.8	338.0
75°	536.2	437.9	325.7	258.1	228.9
77.5°	419.4	330.3	228.9	158.2	139.8
80°	311.9	222.8	132.1	93.7	92.2
82.5°	204.3	129.1	70.7	72.2	69.1
85°	104.5	55.3	47.6	46.1	44.6
87.5°	20.0	21.5	23.0	23.0	23.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)