

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: P1050271

Luminaire Tested: PTR-14-70-PLG-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PLG-L830-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

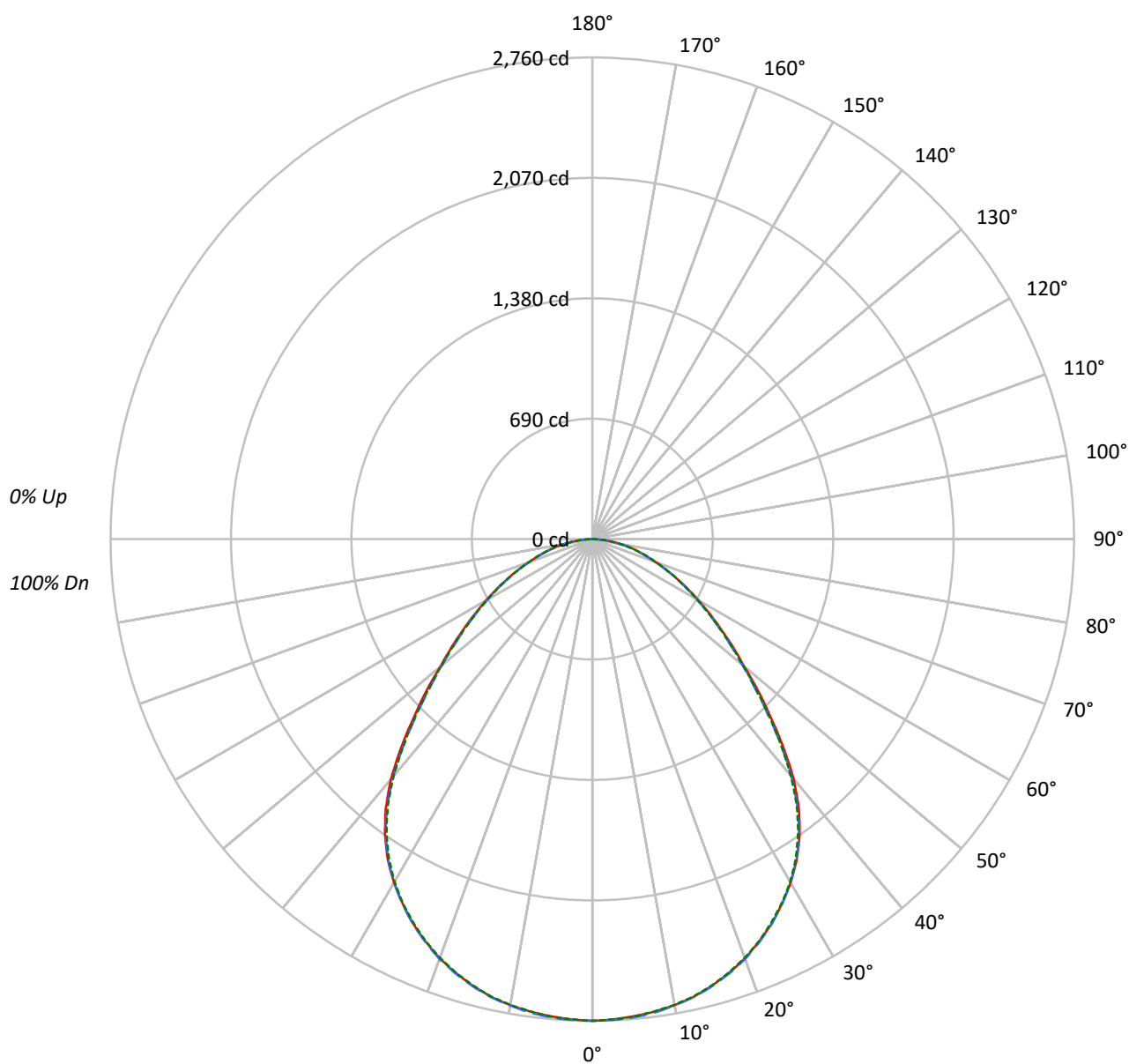
Lumens per Lamp: N/A
Luminaire Lumens: 6219.6 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7428	7428	7428
5°	7414	7430	7419
10°	7408	7414	7403
15°	7379	7390	7373
20°	7321	7332	7310
25°	7218	7224	7201
30°	7061	7061	7043
35°	6802	6783	6751
40°	6303	6235	6214
45°	5509	5420	5442
50°	4757	4699	4724
55°	4228	4163	4173
60°	3785	3732	3732
65°	3393	3368	3380
70°	3052	3021	3052
75°	2831	2791	2831
80°	2641	2611	2520
85°	2238	2238	1995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.3	4.2
10°-20°	747.8	12.0
20°-30°	1118.9	18.0
30°-40°	1281.9	20.6
40°-50°	1108.7	17.8
50°-60°	802.4	12.9
60°-70°	528.5	8.5
70°-80°	287.7	4.6
80°-90°	82.5	1.3
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°	2128.0	34.2
0°-40°	3409.9	54.8
0°-60°	5320.9	85.6
0°-90°	6219.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6219.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2760	2760	2760	2760	2760	
5°	2744	2750	2750	2750	2746	261
15°	2649	2650	2652	2656	2647	747
25°	2431	2431	2433	2435	2425	1118
35°	2071	2069	2065	2063	2055	1286
45°	1448	1444	1424	1422	1430	1121
55°	901	897	887	882	889	811
65°	533	537	529	525	531	532
75°	272	272	268	268	272	290
85°	72	72	72	74	65	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2760.2	2760.2	2760.2	2760.2	2760.2
2.5°	2754.3	2760.2	2758.3	2760.2	2754.3
5°	2744.5	2750.4	2750.4	2750.4	2746.5
7.5°	2730.8	2734.8	2736.7	2738.7	2728.9
10°	2711.2	2715.2	2713.2	2717.1	2709.3
12.5°	2685.8	2685.8	2687.7	2691.7	2683.8
15°	2648.6	2650.5	2652.5	2656.4	2646.6
17.5°	2605.5	2607.4	2609.4	2611.3	2603.5
20°	2556.5	2556.5	2560.4	2562.4	2552.6
22.5°	2495.8	2495.8	2499.7	2505.6	2493.8
25°	2431.1	2431.1	2433.1	2435.0	2425.2
27.5°	2354.7	2354.7	2356.7	2362.5	2350.8
30°	2272.4	2270.5	2272.4	2274.4	2266.6
32.5°	2180.4	2178.4	2176.4	2178.4	2168.6
35°	2070.7	2068.7	2064.8	2062.8	2055.0
37.5°	1943.3	1939.4	1931.6	1931.6	1923.7
40°	1794.4	1784.6	1774.8	1770.9	1769.0
42.5°	1622.0	1614.2	1600.5	1598.5	1598.5
45°	1447.7	1443.8	1424.2	1422.2	1430.1
47.5°	1291.0	1281.2	1263.6	1259.6	1271.4
50°	1136.2	1138.2	1122.5	1116.6	1128.4
52.5°	1014.8	1010.8	997.1	993.2	1003.0
55°	901.1	897.2	887.4	881.5	889.4
57.5°	797.3	795.4	785.6	783.6	787.5
60°	703.3	701.3	693.5	691.5	693.5
62.5°	615.1	615.1	607.3	603.4	609.2
65°	532.8	536.8	528.9	525.0	530.9
67.5°	458.4	462.3	454.5	450.6	458.4
70°	387.9	391.8	384.0	380.0	387.9
72.5°	327.2	329.1	323.2	321.3	331.1
75°	272.3	272.3	268.4	268.4	272.3
77.5°	221.4	219.4	217.4	217.4	213.5
80°	170.4	168.5	168.5	168.5	162.6
82.5°	121.5	117.5	119.5	121.5	111.7
85°	72.5	72.5	72.5	74.4	64.6
87.5°	29.4	29.4	27.4	29.4	25.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)