

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: P1050286

Luminaire Tested: PTR-14-70-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050286
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-L935-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

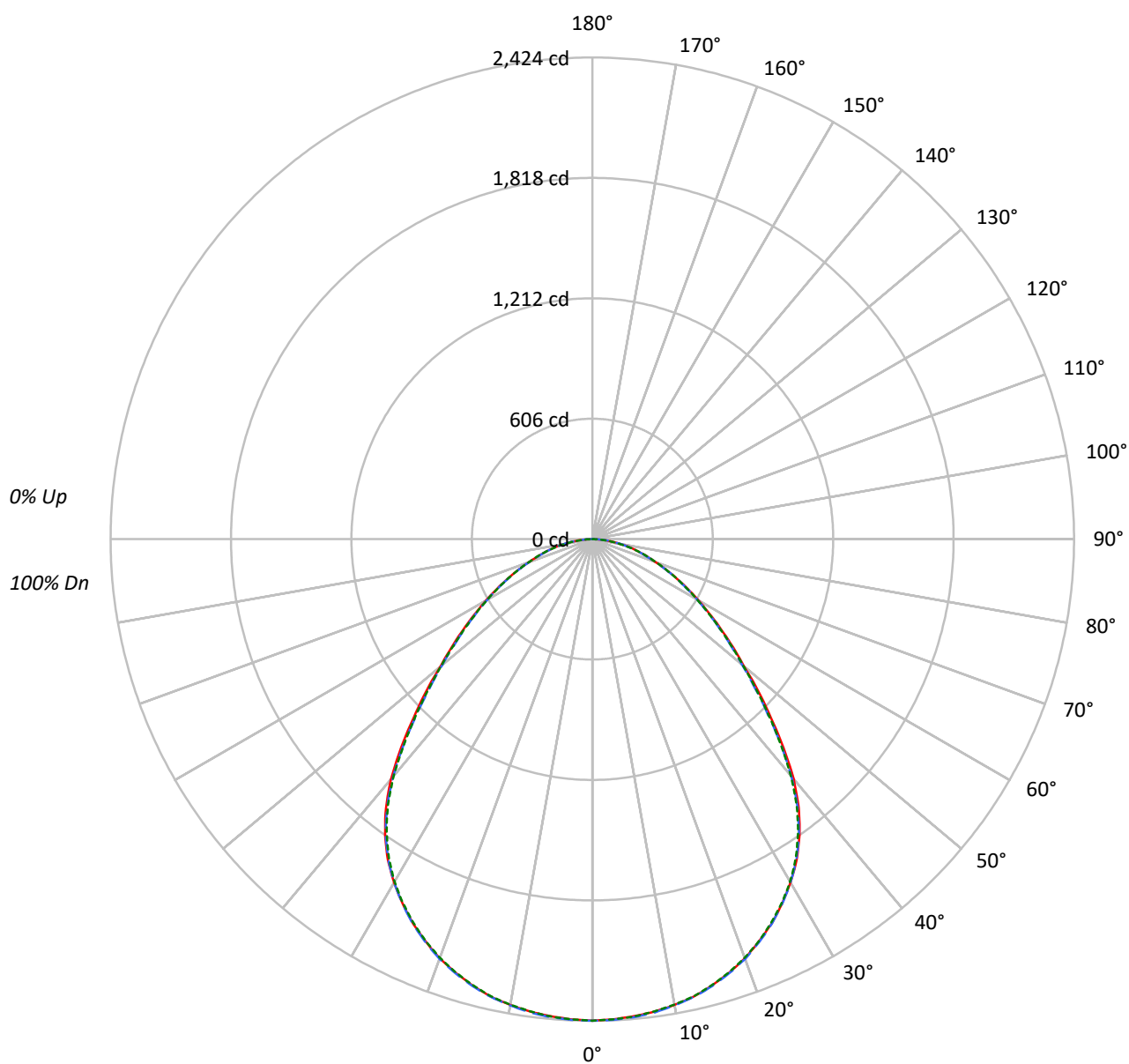
Lumens per Lamp: N/A
Luminaire Lumens: 5461.4 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6522	6522	6522
5°	6510	6524	6515
10°	6506	6510	6501
15°	6479	6489	6474
20°	6429	6438	6419
25°	6339	6344	6323
30°	6200	6200	6184
35°	5973	5956	5928
40°	5535	5475	5456
45°	4838	4759	4779
50°	4177	4127	4148
55°	3712	3656	3664
60°	3324	3278	3278
65°	2979	2958	2968
70°	2680	2653	2680
75°	2486	2451	2486
80°	2320	2292	2213
85°	1964	1964	1754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4838 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.5	4.2
10°-20°	656.6	12.0
20°-30°	982.5	18.0
30°-40°	1125.6	20.6
40°-50°	973.5	17.8
50°-60°	704.6	12.9
60°-70°	464.1	8.5
70°-80°	252.6	4.6
80°-90°	72.4	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°	1868.6	34.2
0°-40°	2994.2	54.8
0°-60°	4672.3	85.6
0°-90°	5461.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5461.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2424	2424	2424	2424	2424	
5°	2410	2415	2415	2415	2412	229
15°	2326	2327	2329	2333	2324	656
25°	2135	2135	2136	2138	2130	982
35°	1818	1816	1813	1811	1804	1130
45°	1271	1268	1251	1249	1256	984
55°	791	788	779	774	781	712
65°	468	471	464	461	466	467
75°	239	239	236	236	239	255
85°	64	64	64	65	57	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2423.8	2423.8	2423.8	2423.8	2423.8
2.5°	2418.6	2423.8	2422.0	2423.8	2418.6
5°	2410.0	2415.2	2415.2	2415.2	2411.7
7.5°	2398.0	2401.4	2403.1	2404.8	2396.2
10°	2380.8	2384.2	2382.5	2385.9	2379.0
12.5°	2358.4	2358.4	2360.1	2363.6	2356.7
15°	2325.7	2327.4	2329.1	2332.6	2324.0
17.5°	2287.9	2289.6	2291.3	2293.0	2286.1
20°	2244.9	2244.9	2248.3	2250.0	2241.4
22.5°	2191.5	2191.5	2195.0	2200.1	2189.8
25°	2134.8	2134.8	2136.5	2138.2	2129.6
27.5°	2067.7	2067.7	2069.4	2074.6	2064.2
30°	1995.4	1993.7	1995.4	1997.1	1990.3
32.5°	1914.6	1912.9	1911.1	1912.9	1904.3
35°	1818.2	1816.5	1813.1	1811.4	1804.5
37.5°	1706.4	1703.0	1696.1	1696.1	1689.2
40°	1575.7	1567.1	1558.5	1555.1	1553.3
42.5°	1424.3	1417.4	1405.4	1403.7	1403.7
45°	1271.2	1267.8	1250.6	1248.9	1255.7
47.5°	1133.6	1125.0	1109.5	1106.1	1116.4
50°	997.7	999.4	985.7	980.5	990.8
52.5°	891.1	887.6	875.6	872.1	880.7
55°	791.3	787.9	779.2	774.1	781.0
57.5°	700.1	698.4	689.8	688.1	691.5
60°	617.6	615.8	609.0	607.2	609.0
62.5°	540.1	540.1	533.3	529.8	535.0
65°	467.9	471.3	464.5	461.0	466.2
67.5°	402.5	406.0	399.1	395.6	402.5
70°	340.6	344.0	337.2	333.7	340.6
72.5°	287.3	289.0	283.8	282.1	290.7
75°	239.1	239.1	235.7	235.7	239.1
77.5°	194.4	192.7	190.9	190.9	187.5
80°	149.7	147.9	147.9	147.9	142.8
82.5°	106.7	103.2	104.9	106.7	98.1
85°	63.6	63.6	63.6	65.4	56.8
87.5°	25.8	25.8	24.1	25.8	22.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)