

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: P1050289

Luminaire Tested: PTR-14-70-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050289
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-L940-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

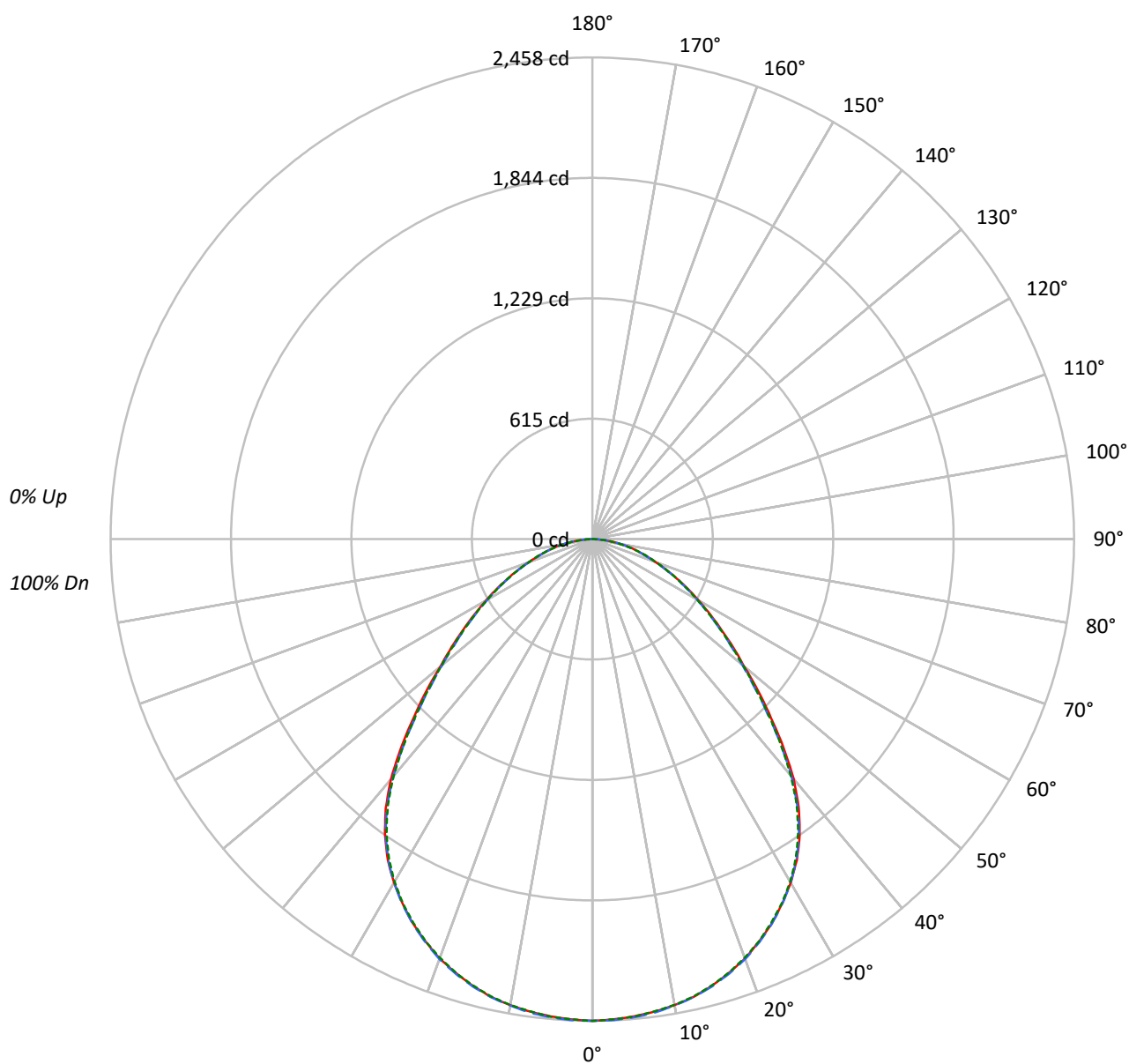
Lumens per Lamp: N/A
Luminaire Lumens: 5539.6 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6616	6616	6616
5°	6603	6617	6608
10°	6598	6603	6594
15°	6572	6582	6567
20°	6521	6531	6511
25°	6429	6434	6414
30°	6289	6289	6273
35°	6059	6041	6013
40°	5614	5553	5535
45°	4907	4827	4847
50°	4237	4186	4207
55°	3765	3708	3716
60°	3371	3324	3324
65°	3022	3000	3011
70°	2718	2691	2718
75°	2521	2485	2521
80°	2352	2326	2244
85°	1995	1995	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4907 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.8	4.2
10°-20°	666.0	12.0
20°-30°	996.5	18.0
30°-40°	1141.7	20.6
40°-50°	987.5	17.8
50°-60°	714.7	12.9
60°-70°	470.7	8.5
70°-80°	256.2	4.6
80°-90°	73.5	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°	1895.3	34.2
0°-40°	3037.1	54.8
0°-60°	4739.2	85.6
0°-90°	5539.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5539.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2458	2458	2458	2458	2458	
5°	2444	2450	2450	2450	2446	232
15°	2359	2361	2362	2366	2357	665
25°	2165	2165	2167	2169	2160	996
35°	1844	1842	1839	1837	1830	1146
45°	1289	1286	1268	1267	1274	998
55°	803	799	790	785	792	722
65°	475	478	471	468	473	474
75°	242	242	239	239	242	258
85°	65	65	65	66	58	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2458.4	2458.4	2458.4	2458.4	2458.4
2.5°	2453.2	2458.4	2456.7	2458.4	2453.2
5°	2444.5	2449.7	2449.7	2449.7	2446.2
7.5°	2432.3	2435.8	2437.5	2439.2	2430.5
10°	2414.8	2418.3	2416.6	2420.1	2413.1
12.5°	2392.1	2392.1	2393.9	2397.4	2390.4
15°	2359.0	2360.7	2362.5	2366.0	2357.2
17.5°	2320.6	2322.3	2324.1	2325.8	2318.9
20°	2277.0	2277.0	2280.5	2282.2	2273.5
22.5°	2222.9	2222.9	2226.4	2231.6	2221.1
25°	2165.3	2165.3	2167.1	2168.8	2160.1
27.5°	2097.3	2097.3	2099.0	2104.2	2093.8
30°	2024.0	2022.2	2024.0	2025.7	2018.7
32.5°	1942.0	1940.2	1938.5	1940.2	1931.5
35°	1844.3	1842.5	1839.0	1837.3	1830.3
37.5°	1730.9	1727.4	1720.4	1720.4	1713.4
40°	1598.2	1589.5	1580.8	1577.3	1575.6
42.5°	1444.7	1437.7	1425.5	1423.8	1423.8
45°	1289.4	1285.9	1268.5	1266.7	1273.7
47.5°	1149.8	1141.1	1125.4	1121.9	1132.4
50°	1012.0	1013.7	999.8	994.5	1005.0
52.5°	903.8	900.3	888.1	884.6	893.3
55°	802.6	799.1	790.4	785.2	792.1
57.5°	710.1	708.4	699.7	697.9	701.4
60°	626.4	624.6	617.7	615.9	617.7
62.5°	547.9	547.9	540.9	537.4	542.6
65°	474.6	478.1	471.1	467.6	472.8
67.5°	408.3	411.8	404.8	401.3	408.3
70°	345.5	349.0	342.0	338.5	345.5
72.5°	291.4	293.1	287.9	286.1	294.9
75°	242.5	242.5	239.0	239.0	242.5
77.5°	197.2	195.4	193.7	193.7	190.2
80°	151.8	150.1	150.1	150.1	144.8
82.5°	108.2	104.7	106.4	108.2	99.5
85°	64.6	64.6	64.6	66.3	57.6
87.5°	26.2	26.2	24.4	26.2	22.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)