

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: P1050296

Luminaire Tested: PTR-14-80-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050296
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-14-80-PLG-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

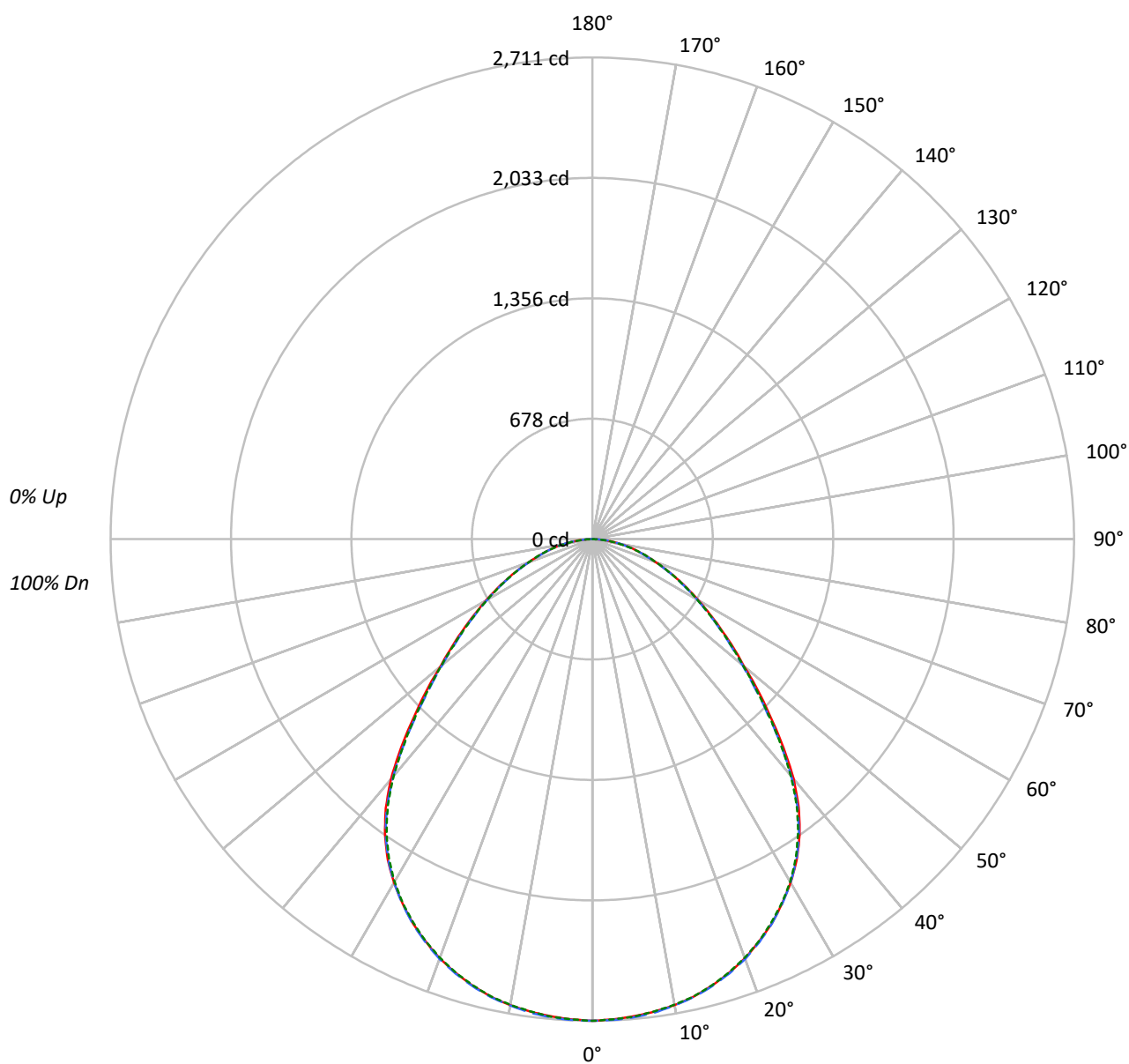
Lumens per Lamp: N/A
Luminaire Lumens: 6108.9 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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°	7296	7296	7296
5°	7282	7297	7287
10°	7277	7282	7271
15°	7247	7258	7242
20°	7191	7202	7180
25°	7090	7096	7073
30°	6935	6935	6917
35°	6681	6662	6631
40°	6191	6124	6104
45°	5411	5323	5345
50°	4672	4616	4640
55°	4153	4089	4099
60°	3718	3666	3666
65°	3333	3308	3320
70°	2998	2967	2998
75°	2781	2741	2781
80°	2594	2565	2475
85°	2198	2198	1961

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5411 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.7	4.2
10°-20°	734.5	12.0
20°-30°	1099.0	18.0
30°-40°	1259.1	20.6
40°-50°	1089.0	17.8
50°-60°	788.1	12.9
60°-70°	519.1	8.5
70°-80°	282.6	4.6
80°-90°	81.0	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°	2090.1	34.2
0°-40°	3349.2	54.8
0°-60°	5226.2	85.6
0°-90°	6108.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6108.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2711	2711	2711	2711	2711	
5°	2696	2702	2702	2702	2698	256
15°	2601	2603	2605	2609	2600	734
25°	2388	2388	2390	2392	2382	1098
35°	2034	2032	2028	2026	2018	1263
45°	1422	1418	1399	1397	1405	1101
55°	885	881	872	866	874	797
65°	523	527	520	516	521	523
75°	268	268	264	264	268	285
85°	71	71	71	73	64	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2711.1	2711.1	2711.1	2711.1	2711.1
2.5°	2705.3	2711.1	2709.2	2711.1	2705.3
5°	2695.7	2701.5	2701.5	2701.5	2697.6
7.5°	2682.2	2686.1	2688.0	2689.9	2680.3
10°	2663.0	2666.8	2664.9	2668.8	2661.1
12.5°	2638.0	2638.0	2639.9	2643.7	2636.1
15°	2601.4	2603.3	2605.3	2609.1	2599.5
17.5°	2559.1	2561.0	2562.9	2564.9	2557.2
20°	2511.0	2511.0	2514.8	2516.8	2507.1
22.5°	2451.3	2451.3	2455.2	2461.0	2449.4
25°	2387.8	2387.8	2389.8	2391.7	2382.1
27.5°	2312.8	2312.8	2314.7	2320.5	2309.0
30°	2232.0	2230.1	2232.0	2233.9	2226.2
32.5°	2141.6	2139.6	2137.7	2139.6	2130.0
35°	2033.8	2031.9	2028.0	2026.1	2018.4
37.5°	1908.7	1904.9	1897.2	1897.2	1889.5
40°	1762.5	1752.9	1743.3	1739.4	1737.5
42.5°	1593.2	1585.5	1572.0	1570.1	1570.1
45°	1421.9	1418.1	1398.8	1396.9	1404.6
47.5°	1268.0	1258.4	1241.1	1237.2	1248.8
50°	1116.0	1117.9	1102.5	1096.8	1108.3
52.5°	996.7	992.8	979.4	975.5	985.2
55°	885.1	881.2	871.6	865.9	873.6
57.5°	783.1	781.2	771.6	769.7	773.5
60°	690.8	688.8	681.1	679.2	681.1
62.5°	604.2	604.2	596.5	592.6	598.4
65°	523.4	527.2	519.5	515.7	521.4
67.5°	450.2	454.1	446.4	442.5	450.2
70°	381.0	384.8	377.1	373.3	381.0
72.5°	321.3	323.3	317.5	315.6	325.2
75°	267.5	267.5	263.6	263.6	267.5
77.5°	217.4	215.5	213.6	213.6	209.7
80°	167.4	165.5	165.5	165.5	159.7
82.5°	119.3	115.4	117.4	119.3	109.7
85°	71.2	71.2	71.2	73.1	63.5
87.5°	28.9	28.9	26.9	28.9	25.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)