

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: P1050288

Luminaire Tested: PTR-14-30-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050288
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-14-30-PLG-L940-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

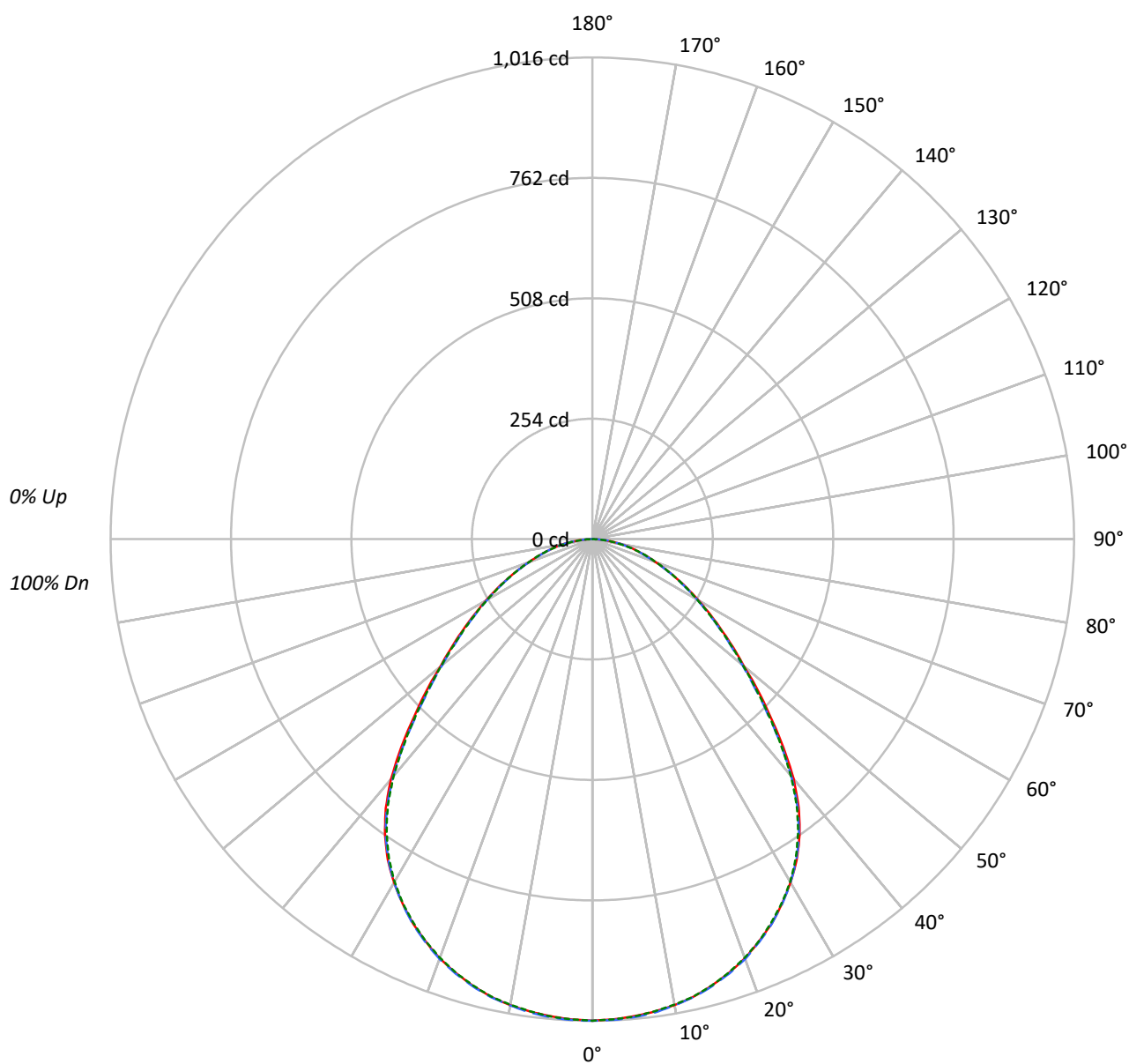
Lumens per Lamp: N/A
Luminaire Lumens: 2289.3 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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°	2734	2734	2734
5°	2729	2735	2731
10°	2727	2729	2725
15°	2716	2720	2714
20°	2695	2699	2691
25°	2657	2659	2651
30°	2599	2599	2592
35°	2504	2497	2485
40°	2320	2295	2287
45°	2028	1995	2003
50°	1751	1730	1739
55°	1556	1532	1536
60°	1393	1374	1374
65°	1249	1240	1244
70°	1124	1112	1124
75°	1042	1027	1042
80°	972	961	927
85°	824	824	735

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2028 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	4.2
10°-20°	275.2	12.0
20°-30°	411.8	18.0
30°-40°	471.8	20.6
40°-50°	408.1	17.8
50°-60°	295.3	12.9
60°-70°	194.5	8.5
70°-80°	105.9	4.6
80°-90°	30.4	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°	783.3	34.2
0°-40°	1255.1	54.8
0°-60°	1958.5	85.6
0°-90°	2289.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2289.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1016	1016	1016	1016	1016	
5°	1010	1012	1012	1012	1011	96
15°	975	976	976	978	974	275
25°	895	895	896	896	893	412
35°	762	762	760	759	756	473
45°	533	531	524	524	526	413
55°	332	330	327	324	327	299
65°	196	198	195	193	195	196
75°	100	100	99	99	100	107
85°	27	27	27	27	24	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1016.0	1016.0	1016.0	1016.0	1016.0
2.5°	1013.8	1016.0	1015.3	1016.0	1013.8
5°	1010.2	1012.4	1012.4	1012.4	1010.9
7.5°	1005.2	1006.6	1007.3	1008.1	1004.5
10°	998.0	999.4	998.7	1000.1	997.2
12.5°	988.6	988.6	989.3	990.8	987.9
15°	974.9	975.6	976.3	977.8	974.2
17.5°	959.0	959.7	960.5	961.2	958.3
20°	941.0	941.0	942.4	943.2	939.6
22.5°	918.6	918.6	920.1	922.2	917.9
25°	894.8	894.8	895.6	896.3	892.7
27.5°	866.7	866.7	867.4	869.6	865.3
30°	836.4	835.7	836.4	837.2	834.3
32.5°	802.6	801.8	801.1	801.8	798.2
35°	762.2	761.5	760.0	759.3	756.4
37.5°	715.3	713.9	711.0	711.0	708.1
40°	660.5	656.9	653.3	651.8	651.1
42.5°	597.0	594.2	589.1	588.4	588.4
45°	532.9	531.4	524.2	523.5	526.4
47.5°	475.2	471.6	465.1	463.6	468.0
50°	418.2	418.9	413.2	411.0	415.3
52.5°	373.5	372.1	367.0	365.6	369.2
55°	331.7	330.3	326.6	324.5	327.4
57.5°	293.5	292.8	289.1	288.4	289.9
60°	258.9	258.1	255.3	254.5	255.3
62.5°	226.4	226.4	223.5	222.1	224.3
65°	196.1	197.6	194.7	193.2	195.4
67.5°	168.7	170.2	167.3	165.8	168.7
70°	142.8	144.2	141.3	139.9	142.8
72.5°	120.4	121.1	119.0	118.3	121.9
75°	100.2	100.2	98.8	98.8	100.2
77.5°	81.5	80.8	80.0	80.0	78.6
80°	62.7	62.0	62.0	62.0	59.8
82.5°	44.7	43.3	44.0	44.7	41.1
85°	26.7	26.7	26.7	27.4	23.8
87.5°	10.8	10.8	10.1	10.8	9.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)