

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: P1050080

Luminaire Tested: PTR-14-30-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-L840-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

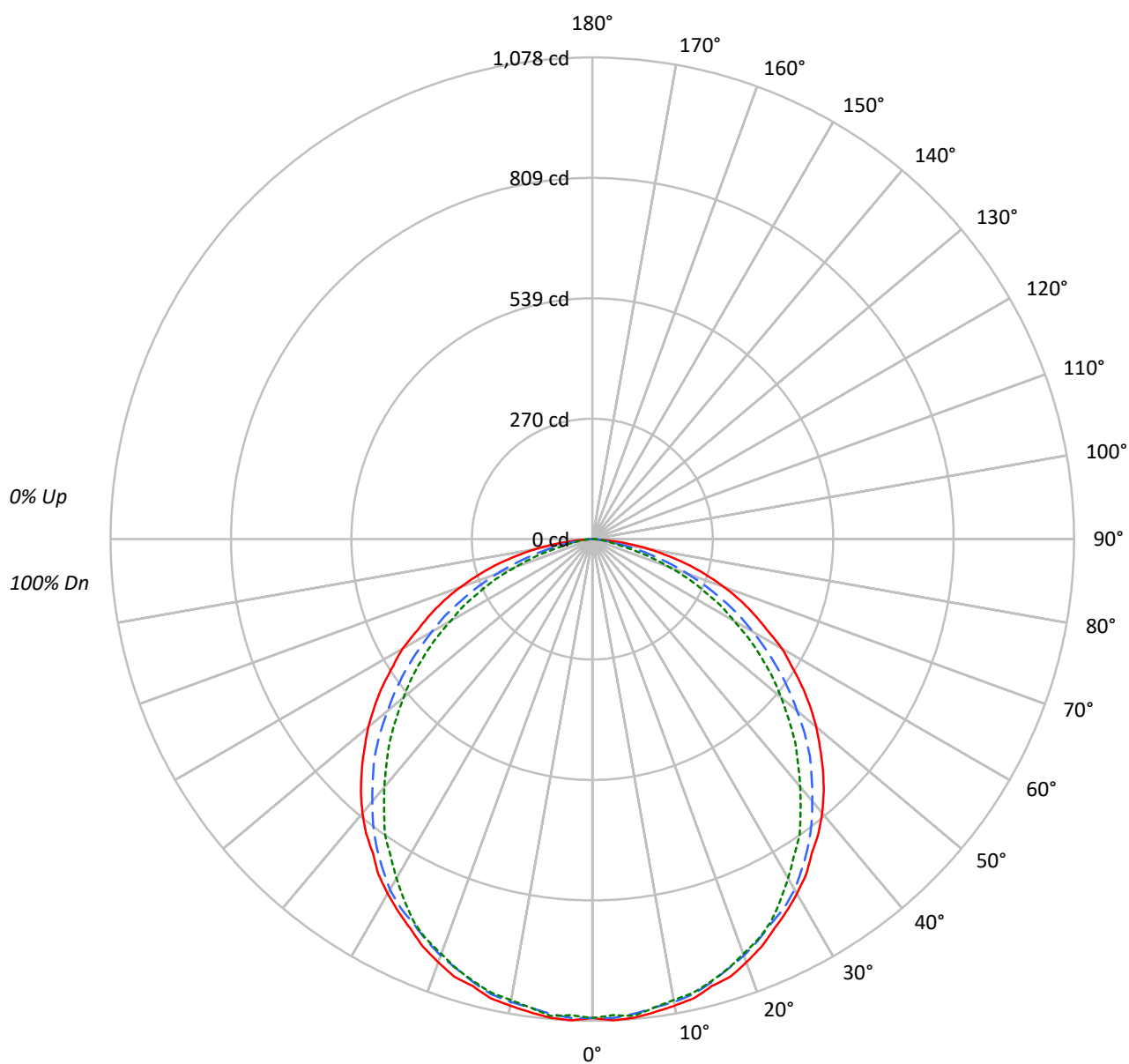
Lumens per Lamp: N/A
Luminaire Lumens: 2854.4 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2884	2884	2884
5°	2905	2881	2893
10°	2897	2874	2862
15°	2884	2861	2856
20°	2886	2840	2829
25°	2858	2816	2806
30°	2846	2814	2723
35°	2814	2763	2656
40°	2811	2690	2543
45°	2776	2621	2441
50°	2739	2503	2308
55°	2686	2387	2168
60°	2638	2233	1968
65°	2548	2048	1760
70°	2466	1783	1436
75°	2315	1407	989
80°	2008	851	594
85°	1340	611	571

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2776 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	3.6
10°-20°	290.7	10.2
20°-30°	439.1	15.4
30°-40°	522.0	18.3
40°-50°	529.4	18.5
50°-60°	459.7	16.1
60°-70°	326.4	11.4
70°-80°	156.0	5.5
80°-90°	29.6	1.0
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°	831.3	29.1
0°-40°	1353.3	47.4
0°-60°	2342.5	82.1
0°-90°	2854.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2854.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1072	1072	1072	1072	1072	
5°	1075	1072	1066	1069	1071	102
15°	1035	1038	1027	1026	1025	293
25°	962	961	948	952	945	445
35°	856	855	841	812	809	538
45°	730	723	689	652	641	563
55°	572	555	509	479	462	512
65°	400	370	322	287	276	396
75°	223	182	135	107	95	234
85°	43	23	20	19	18	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1071.6	1071.6	1071.6	1071.6	1071.6
2.5°	1078.0	1074.1	1072.9	1077.3	1066.5
5°	1075.4	1071.6	1066.5	1069.0	1071.0
7.5°	1067.8	1064.6	1057.6	1063.3	1057.6
10°	1060.1	1056.9	1051.8	1053.7	1047.3
12.5°	1052.4	1044.8	1043.5	1044.8	1040.3
15°	1035.2	1037.8	1026.9	1025.6	1025.0
17.5°	1026.9	1020.5	1009.0	1009.7	1008.4
20°	1007.8	1000.1	991.8	990.5	988.0
22.5°	988.0	979.0	971.4	975.2	969.5
25°	962.5	961.2	948.4	952.2	945.2
27.5°	940.1	935.6	929.9	921.6	911.4
30°	915.9	911.4	905.7	884.0	876.3
32.5°	890.3	885.2	873.7	848.2	839.9
35°	856.5	855.2	841.2	812.5	808.6
37.5°	831.0	816.9	805.4	776.1	765.2
40°	800.3	792.7	765.9	737.8	723.8
42.5°	766.5	757.6	726.9	697.0	681.6
45°	729.5	723.1	688.7	652.3	641.4
47.5°	691.2	685.5	644.6	609.5	595.5
50°	654.2	647.2	598.0	564.2	551.4
52.5°	614.0	602.5	554.0	520.8	508.7
55°	572.5	555.3	508.7	478.7	462.1
57.5°	528.5	512.5	460.8	429.5	416.1
60°	490.2	467.8	414.9	382.9	365.7
62.5°	441.0	421.9	371.5	333.8	325.5
65°	400.2	370.2	321.7	287.2	276.4
67.5°	358.7	323.6	274.4	239.3	233.6
70°	313.4	277.0	226.6	192.1	182.5
72.5°	267.4	231.7	182.5	146.2	140.4
75°	222.7	181.9	135.3	107.2	95.1
77.5°	174.2	137.2	95.1	65.7	58.1
80°	129.6	92.5	54.9	38.9	38.3
82.5°	84.9	53.6	29.4	30.0	28.7
85°	43.4	23.0	19.8	19.1	18.5
87.5°	8.3	8.9	9.6	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)