

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: P1050224

Luminaire Tested: PTR-14-30-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PL1-L835-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

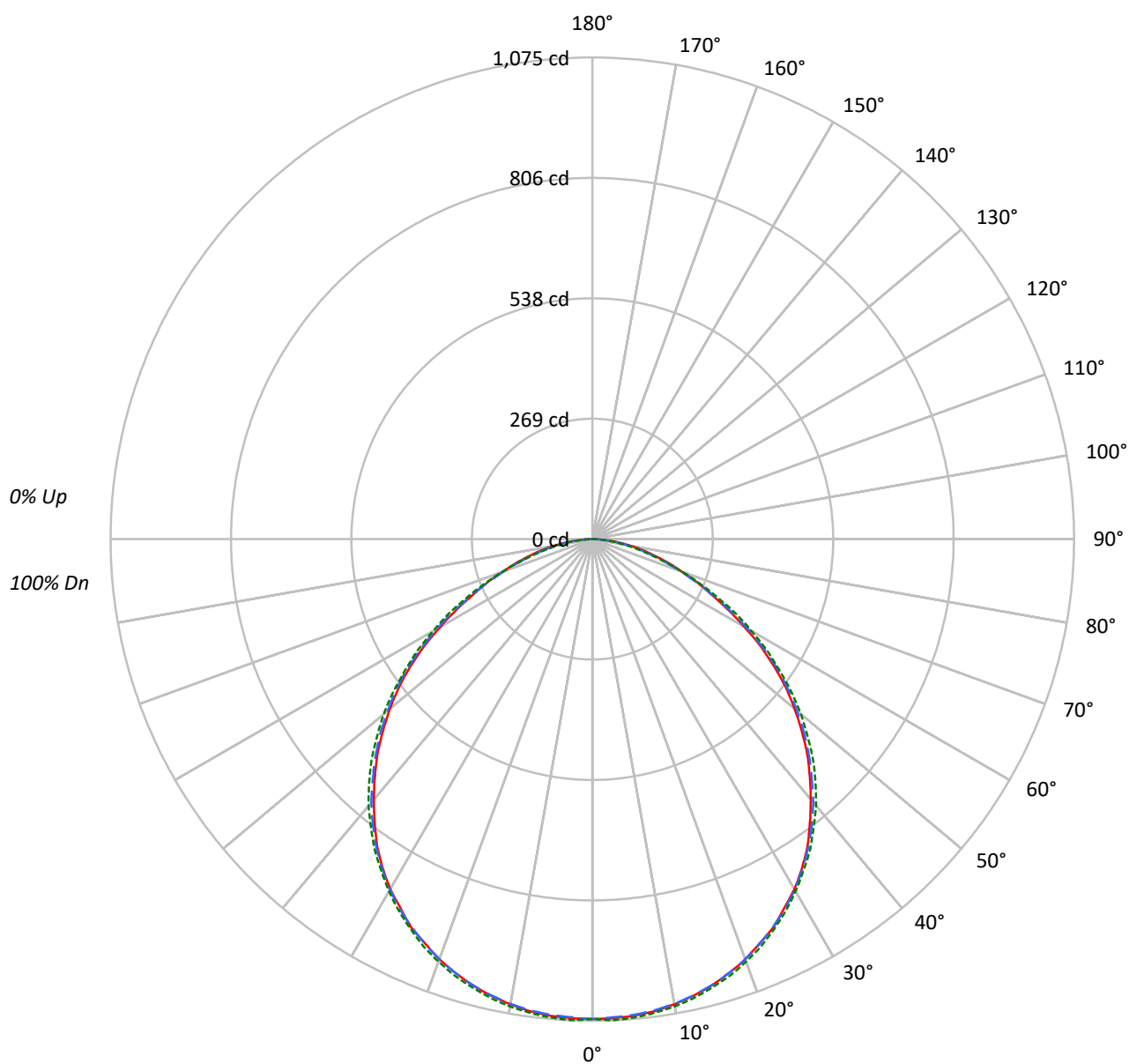
Lumens per Lamp: N/A
Luminaire Lumens: 2823.4 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2882	2882	2882
5°	2885	2879	2895
10°	2881	2878	2894
15°	2872	2871	2886
20°	2858	2858	2874
25°	2839	2835	2850
30°	2803	2807	2820
35°	2749	2760	2782
40°	2664	2695	2729
45°	2581	2602	2652
50°	2467	2494	2543
55°	2324	2361	2389
60°	2108	2153	2207
65°	1872	1892	1969
70°	1674	1640	1681
75°	1510	1422	1394
80°	1371	1274	1131
85°	1161	1056	908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2652 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	3.6
10°-20°	291.4	10.3
20°-30°	440.8	15.6
30°-40°	525.4	18.6
40°-50°	528.3	18.7
50°-60°	448.4	15.9
60°-70°	298.6	10.6
70°-80°	149.1	5.3
80°-90°	39.9	1.4
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°	833.8	29.5
0°-40°	1359.2	48.1
0°-60°	2335.9	82.7
0°-90°	2823.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2823.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1071	1071	1071	1071	1071	
5°	1068	1068	1066	1071	1072	102
15°	1031	1032	1031	1035	1036	291
25°	956	956	955	959	960	440
35°	837	838	840	846	847	522
45°	678	679	684	693	697	522
55°	495	499	503	508	509	441
65°	294	296	297	302	309	295
75°	145	143	137	134	134	156
85°	38	37	34	32	29	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1071.1	1071.1	1071.1	1071.1	1071.1
2.5°	1070.2	1071.1	1068.2	1073.4	1074.7
5°	1067.9	1068.2	1065.9	1070.7	1071.8
7.5°	1062.7	1063.2	1060.7	1065.9	1066.6
10°	1054.4	1055.2	1053.2	1058.0	1059.1
12.5°	1043.7	1044.9	1042.8	1048.0	1048.9
15°	1031.0	1032.2	1030.6	1034.9	1035.8
17.5°	1015.4	1016.3	1015.4	1019.5	1021.8
20°	998.0	998.0	998.0	1001.6	1003.6
22.5°	976.2	978.2	977.4	982.1	984.1
25°	956.0	956.0	954.7	959.2	959.9
27.5°	927.8	930.9	930.6	934.5	935.4
30°	902.0	902.8	903.3	906.0	907.6
32.5°	870.7	871.4	872.7	876.6	877.0
35°	836.9	837.8	840.1	846.0	846.9
37.5°	797.7	802.0	804.0	810.4	811.1
40°	758.3	761.1	767.1	773.8	776.9
42.5°	718.2	721.4	725.0	734.1	737.0
45°	678.2	679.3	683.8	692.9	696.9
47.5°	633.7	637.4	641.2	649.2	651.6
50°	589.3	593.2	595.7	602.7	607.5
52.5°	544.5	548.1	550.8	555.2	559.9
55°	495.3	498.8	503.2	508.0	509.2
57.5°	445.3	449.2	452.1	457.1	462.3
60°	391.6	396.1	400.0	404.8	410.0
62.5°	341.7	343.6	347.7	355.6	363.1
65°	294.0	296.5	297.2	301.7	309.2
67.5°	254.4	254.4	250.8	252.3	260.7
70°	212.7	211.1	208.4	206.8	213.6
72.5°	178.9	176.9	171.0	168.3	171.9
75°	145.2	143.2	136.8	133.7	134.1
77.5°	116.7	113.5	108.3	102.8	101.7
80°	88.5	87.2	82.2	77.0	73.0
82.5°	62.7	60.0	57.1	53.9	50.8
85°	37.6	36.9	34.2	32.2	29.4
87.5°	15.4	15.4	14.7	13.8	13.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)