

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: P1050420

Luminaire Tested: PTR-14-30-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PW1-L835-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

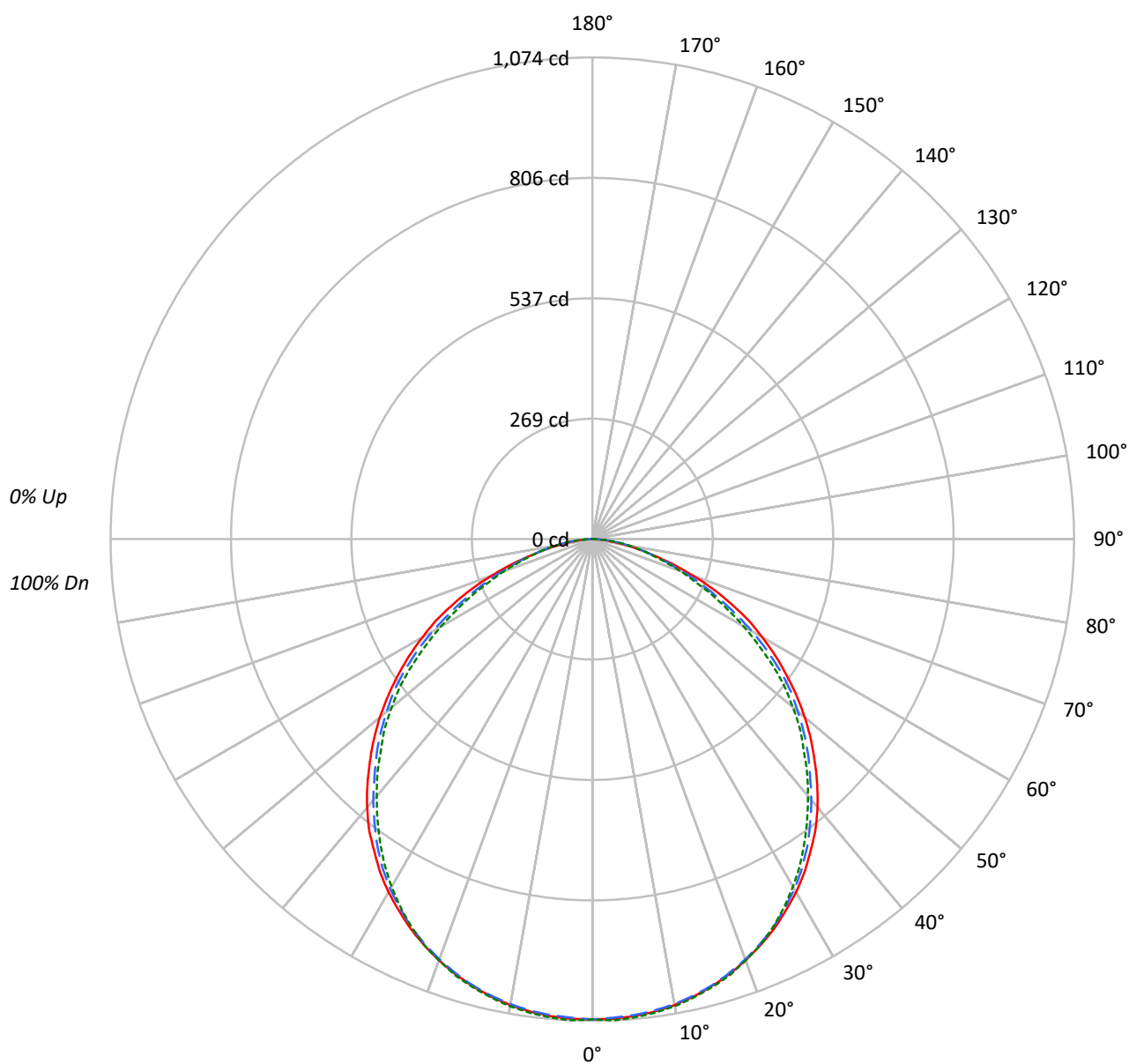
Lumens per Lamp: N/A
Luminaire Lumens: 2841.6 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2882	2882	2882
5°	2884	2878	2893
10°	2883	2876	2890
15°	2874	2869	2880
20°	2862	2855	2862
25°	2846	2834	2832
30°	2825	2800	2780
35°	2787	2745	2710
40°	2744	2669	2627
45°	2668	2589	2536
50°	2588	2503	2445
55°	2479	2396	2300
60°	2351	2212	2097
65°	2174	1976	1877
70°	1885	1720	1655
75°	1504	1472	1432
80°	1144	1278	1278
85°	846	1090	1090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2668 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	3.6
10°-20°	291.3	10.2
20°-30°	440.2	15.5
30°-40°	522.7	18.4
40°-50°	526.6	18.5
50°-60°	455.2	16.0
60°-70°	311.1	10.9
70°-80°	153.4	5.4
80°-90°	39.7	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°	833.0	29.3
0°-40°	1355.7	47.7
0°-60°	2337.4	82.3
0°-90°	2841.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2841.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1071	1071	1071	1071	1071	
5°	1068	1068	1065	1070	1071	102
15°	1032	1033	1030	1034	1034	291
25°	959	958	955	955	954	442
35°	848	845	836	828	825	531
45°	701	694	680	672	666	541
55°	528	527	511	496	490	473
65°	342	329	310	297	295	337
75°	145	144	142	142	138	158
85°	27	32	35	36	35	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1070.8	1070.8	1070.8	1070.8	1070.8
2.5°	1070.5	1070.8	1068.0	1072.8	1073.9
5°	1067.6	1068.0	1065.3	1069.6	1070.8
7.5°	1062.5	1063.3	1060.1	1064.4	1065.3
10°	1054.9	1055.3	1052.6	1056.9	1057.8
12.5°	1044.7	1045.0	1042.6	1046.5	1046.5
15°	1031.5	1032.7	1030.0	1033.6	1033.9
17.5°	1016.8	1017.3	1014.5	1018.4	1019.3
20°	999.4	999.4	997.1	1000.3	999.4
22.5°	979.9	979.9	977.2	978.8	979.5
25°	958.6	957.7	954.6	955.4	953.8
27.5°	933.9	933.9	928.3	928.3	925.6
30°	909.0	907.0	901.1	897.5	894.7
32.5°	880.3	877.6	870.1	863.7	861.7
35°	848.3	845.4	835.5	828.0	824.8
37.5°	817.3	811.0	797.8	790.3	786.7
40°	781.1	773.2	759.8	749.4	747.8
42.5°	742.3	736.0	718.6	710.9	709.0
45°	701.1	693.5	680.3	672.4	666.5
47.5°	660.6	655.0	640.0	630.5	628.4
50°	618.1	613.3	597.9	587.6	584.0
52.5°	574.1	570.9	557.8	544.7	540.4
55°	528.5	526.9	510.7	495.5	490.3
57.5°	483.7	481.7	461.3	443.9	439.1
60°	436.8	430.9	411.0	394.7	389.6
62.5°	392.4	379.7	358.3	345.6	339.7
65°	341.5	329.3	310.3	296.7	294.8
67.5°	291.7	277.0	262.2	253.9	247.5
70°	239.6	229.7	218.6	211.5	210.3
72.5°	191.2	184.1	178.5	174.2	170.6
75°	144.7	143.6	141.6	141.6	137.7
77.5°	106.4	109.1	110.7	110.3	111.2
80°	73.8	79.3	82.5	82.9	82.5
82.5°	46.9	53.2	58.4	59.1	60.0
85°	27.4	32.2	35.3	36.0	35.3
87.5°	12.3	15.4	16.3	17.0	16.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)