

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: P1050126

Luminaire Tested: PTR-14-30-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PB1-L835-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

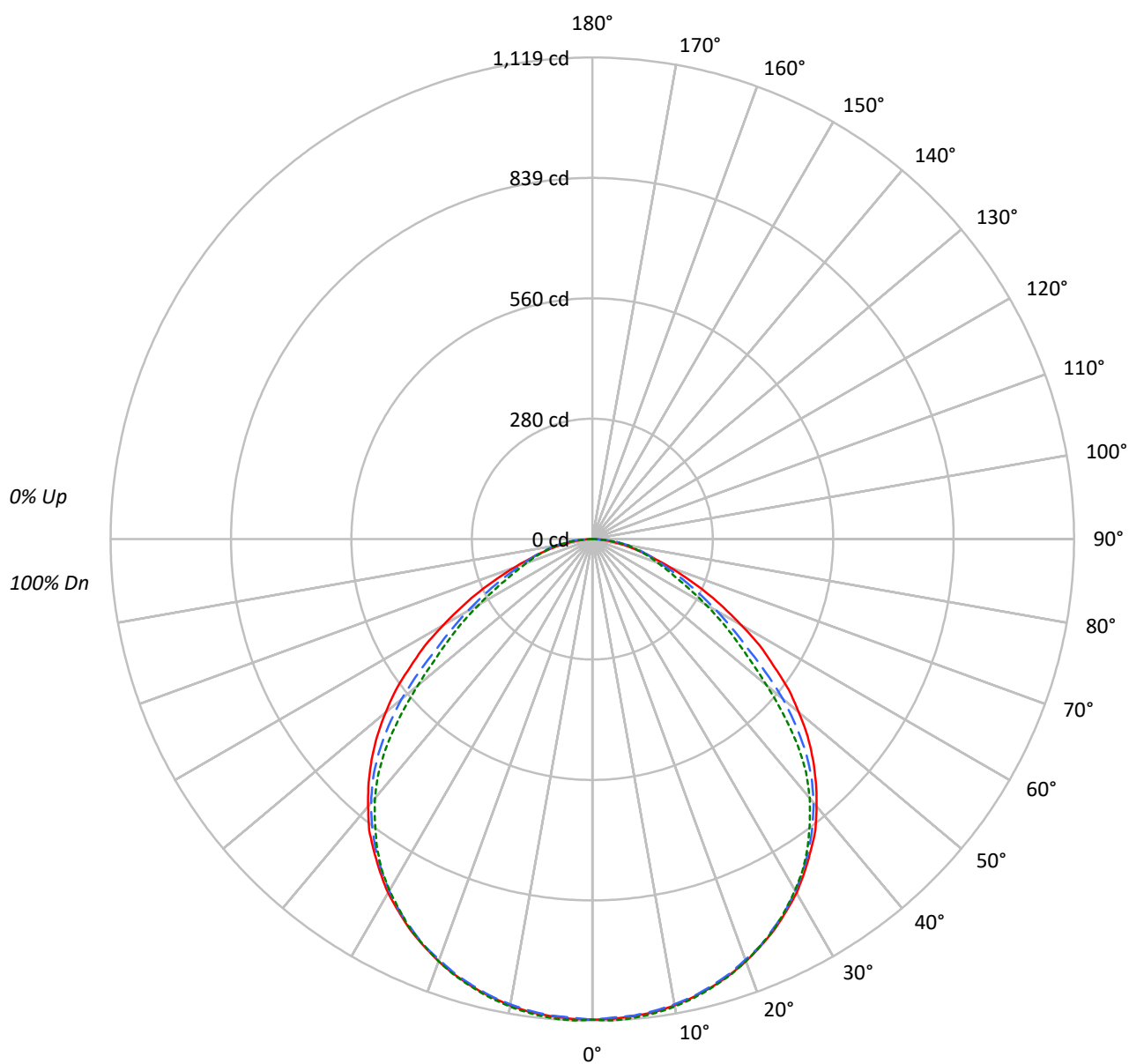
Lumens per Lamp: N/A
Luminaire Lumens: 2784.0 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3004	3004	3004
5°	3005	3001	3016
10°	3006	2998	3013
15°	3000	2992	3003
20°	2989	2977	2989
25°	2972	2960	2968
30°	2949	2932	2927
35°	2905	2883	2865
40°	2846	2808	2759
45°	2759	2670	2561
50°	2622	2420	2213
55°	2416	2055	1907
60°	2151	1796	1633
65°	1845	1557	1391
70°	1523	1373	1275
75°	1285	1313	1242
80°	1086	1340	1278
85°	849	1359	1189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2759 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	3.8
10°-20°	303.8	10.9
20°-30°	460.1	16.5
30°-40°	548.3	19.7
40°-50°	536.2	19.3
50°-60°	405.5	14.6
60°-70°	249.1	8.9
70°-80°	132.7	4.8
80°-90°	42.4	1.5
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°	869.8	31.2
0°-40°	1418.1	50.9
0°-60°	2359.8	84.8
0°-90°	2784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2784.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1116	1116	1116	1116	1116	
5°	1112	1114	1111	1115	1116	106
15°	1077	1078	1074	1078	1078	304
25°	1001	1000	997	998	1000	461
35°	884	883	878	873	872	553
45°	725	721	702	678	673	558
55°	515	489	438	413	406	461
65°	290	266	244	225	218	288
75°	124	125	126	122	120	132
85°	28	36	44	41	38	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1116.5	1116.5	1116.5	1116.5	1116.5
2.5°	1115.2	1116.5	1112.3	1117.9	1119.2
5°	1112.3	1113.7	1111.0	1115.2	1116.5
7.5°	1108.3	1108.3	1105.5	1109.6	1111.0
10°	1100.0	1100.0	1097.3	1101.3	1102.8
12.5°	1089.1	1089.1	1087.6	1090.4	1091.8
15°	1076.7	1078.0	1073.9	1078.0	1078.0
17.5°	1061.6	1060.3	1058.8	1061.6	1063.0
20°	1043.7	1043.7	1039.6	1042.4	1043.7
22.5°	1023.1	1023.1	1021.8	1023.1	1021.8
25°	1001.1	999.7	997.0	998.4	999.7
27.5°	975.0	975.0	972.3	972.3	970.9
30°	949.0	947.5	943.5	940.7	942.0
32.5°	917.4	915.9	911.9	909.2	910.5
35°	884.4	883.1	877.6	873.4	872.1
37.5°	851.5	847.3	840.4	834.9	829.4
40°	810.3	806.1	799.3	786.9	785.5
42.5°	769.0	765.0	753.9	738.9	734.7
45°	725.0	721.0	701.7	678.3	672.9
47.5°	678.3	671.6	641.3	612.4	601.5
50°	626.3	613.9	578.1	541.1	528.7
52.5°	575.4	553.5	506.8	473.8	461.5
55°	515.0	488.9	438.1	413.3	406.4
57.5°	461.5	425.7	384.5	359.9	354.4
60°	399.6	366.6	333.8	311.7	303.5
62.5°	343.3	314.4	287.0	267.7	258.2
65°	289.8	266.4	244.5	225.2	218.4
67.5°	237.6	225.2	207.3	192.3	188.1
70°	193.6	186.7	174.5	167.5	162.1
72.5°	153.8	156.6	148.4	145.6	141.4
75°	123.6	125.0	126.3	122.3	119.5
77.5°	93.4	100.2	105.7	102.9	100.2
80°	70.1	76.8	86.5	82.5	82.5
82.5°	48.0	56.4	64.6	61.9	60.4
85°	27.5	35.8	44.0	41.2	38.5
87.5°	11.0	17.9	19.2	19.2	17.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)