

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: P1050279

Luminaire Tested: PTR-14-30-PLG-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050279
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-L850-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

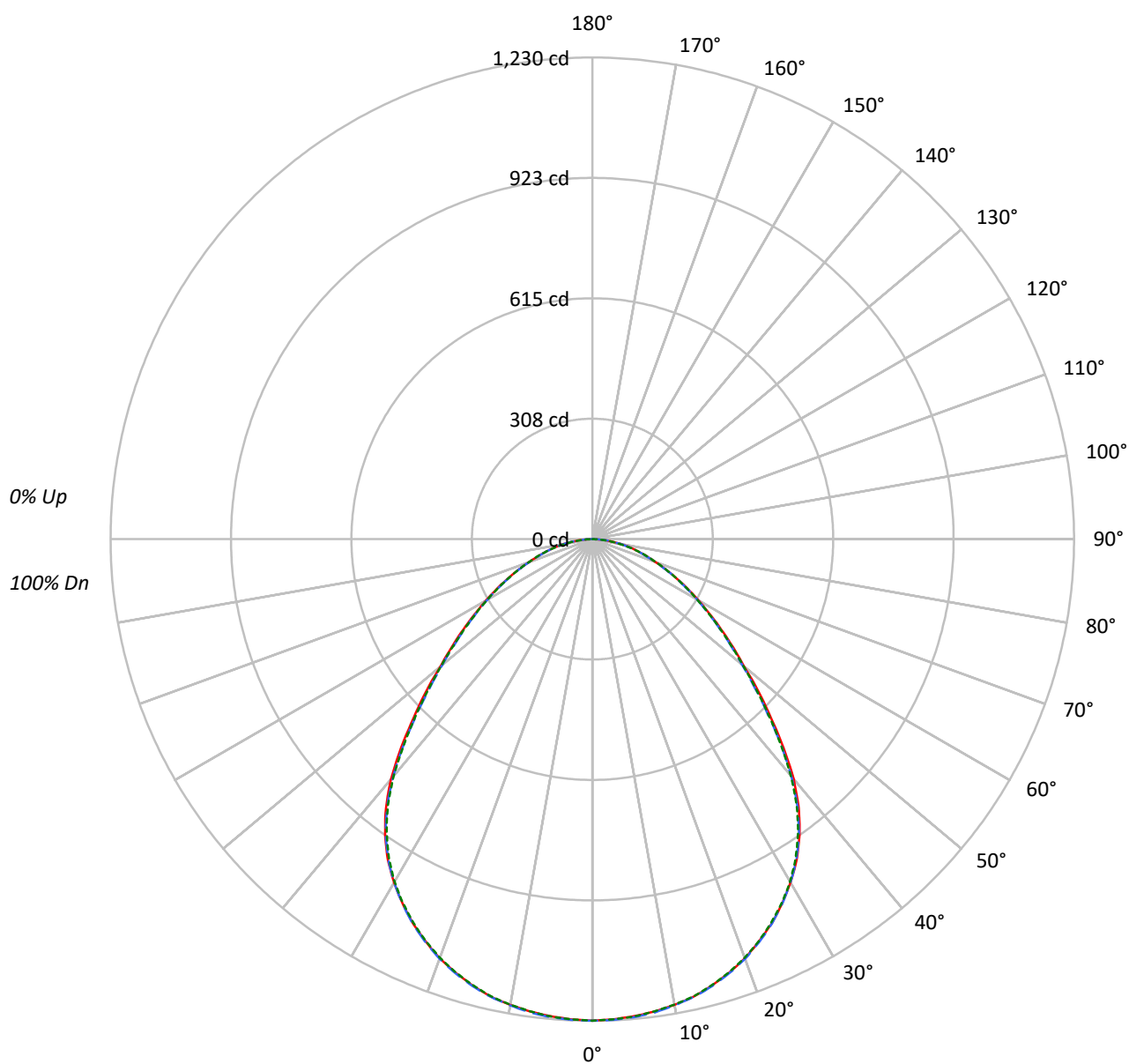
Lumens per Lamp: N/A
Luminaire Lumens: 2771.2 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3309	3309	3309
5°	3303	3310	3306
10°	3301	3303	3298
15°	3288	3292	3285
20°	3262	3267	3257
25°	3216	3219	3208
30°	3146	3146	3138
35°	3031	3022	3008
40°	2809	2778	2769
45°	2455	2415	2425
50°	2119	2094	2105
55°	1884	1855	1859
60°	1687	1663	1663
65°	1512	1501	1506
70°	1360	1346	1360
75°	1261	1243	1261
80°	1176	1164	1122
85°	997	997	889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2455 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	4.2
10°-20°	333.2	12.0
20°-30°	498.5	18.0
30°-40°	571.2	20.6
40°-50°	494.0	17.8
50°-60°	357.5	12.9
60°-70°	235.5	8.5
70°-80°	128.2	4.6
80°-90°	36.7	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°	948.1	34.2
0°-40°	1519.3	54.8
0°-60°	2370.8	85.6
0°-90°	2771.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2771.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1223	1226	1226	1226	1224	116
15°	1180	1181	1182	1184	1179	333
25°	1083	1083	1084	1085	1081	498
35°	923	922	920	919	916	573
45°	645	643	635	634	637	499
55°	402	400	395	393	396	361
65°	237	239	236	234	236	237
75°	121	121	120	120	121	129
85°	32	32	32	33	29	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1229.8	1229.8	1229.8	1229.8	1229.8
2.5°	1227.2	1229.8	1229.0	1229.8	1227.2
5°	1222.9	1225.5	1225.5	1225.5	1223.7
7.5°	1216.7	1218.5	1219.4	1220.2	1215.9
10°	1208.0	1209.8	1208.9	1210.6	1207.1
12.5°	1196.7	1196.7	1197.5	1199.3	1195.8
15°	1180.1	1181.0	1181.8	1183.6	1179.2
17.5°	1160.9	1161.8	1162.6	1163.5	1160.0
20°	1139.1	1139.1	1140.8	1141.7	1137.3
22.5°	1112.0	1112.0	1113.7	1116.4	1111.1
25°	1083.2	1083.2	1084.1	1084.9	1080.6
27.5°	1049.2	1049.2	1050.0	1052.7	1047.4
30°	1012.5	1011.6	1012.5	1013.4	1009.9
32.5°	971.5	970.6	969.7	970.6	966.2
35°	922.6	921.7	920.0	919.1	915.6
37.5°	865.9	864.1	860.6	860.6	857.1
40°	799.5	795.2	790.8	789.1	788.2
42.5°	722.7	719.2	713.1	712.2	712.2
45°	645.0	643.3	634.6	633.7	637.2
47.5°	575.2	570.8	563.0	561.2	566.5
50°	506.2	507.1	500.1	497.5	502.8
52.5°	452.1	450.4	444.3	442.5	446.9
55°	401.5	399.8	395.4	392.8	396.3
57.5°	355.2	354.4	350.0	349.1	350.9
60°	313.4	312.5	309.0	308.1	309.0
62.5°	274.1	274.1	270.6	268.8	271.5
65°	237.4	239.2	235.7	233.9	236.5
67.5°	204.2	206.0	202.5	200.8	204.2
70°	172.8	174.6	171.1	169.3	172.8
72.5°	145.8	146.6	144.0	143.1	147.5
75°	121.3	121.3	119.6	119.6	121.3
77.5°	98.6	97.8	96.9	96.9	95.1
80°	75.9	75.1	75.1	75.1	72.4
82.5°	54.1	52.4	53.2	54.1	49.8
85°	32.3	32.3	32.3	33.2	28.8
87.5°	13.1	13.1	12.2	13.1	11.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)