

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: P1050276

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050276
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-L840-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

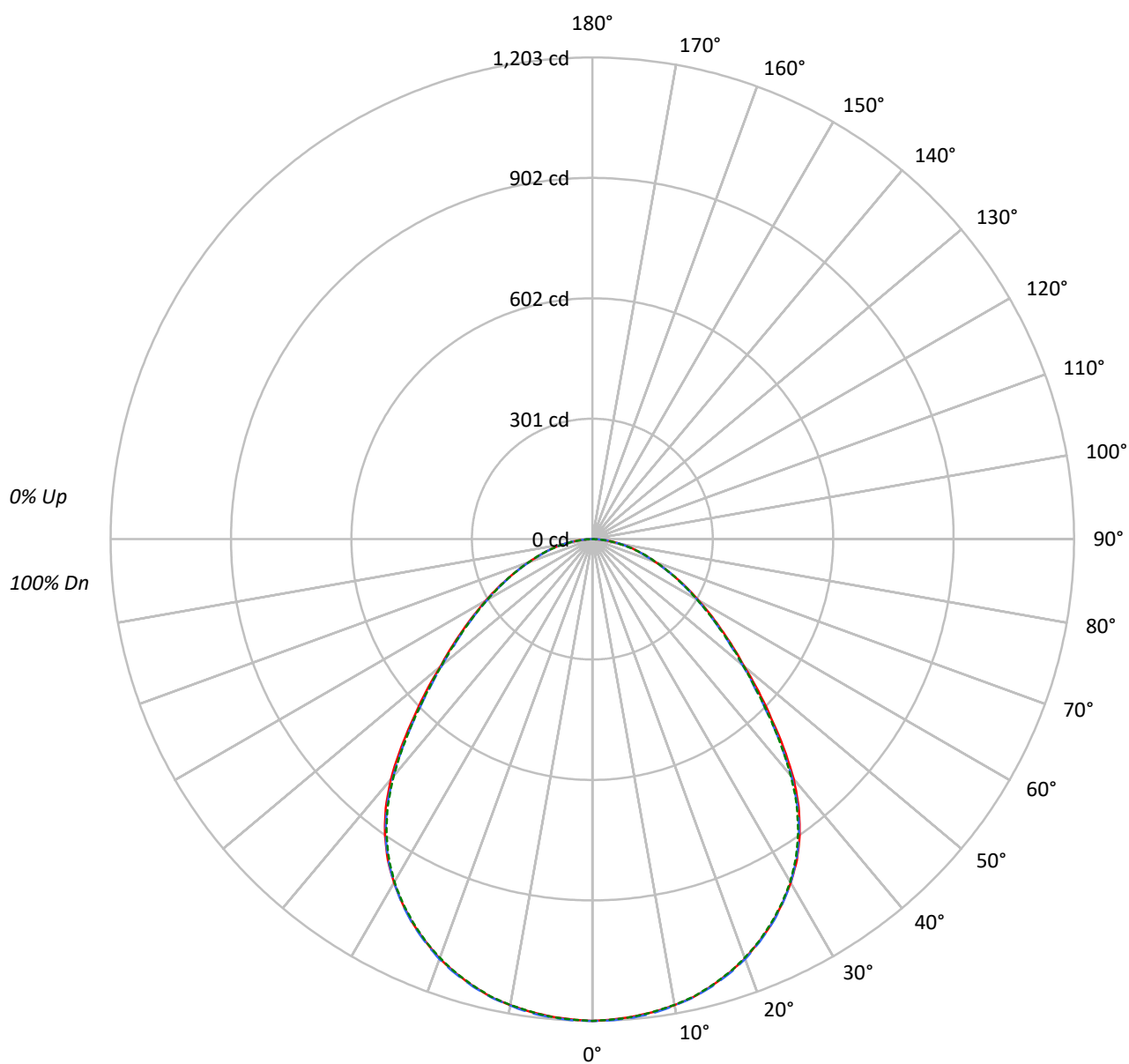
Lumens per Lamp: N/A
Luminaire Lumens: 2711.7 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3238	3238	3238
5°	3232	3239	3234
10°	3230	3232	3228
15°	3217	3222	3215
20°	3192	3197	3187
25°	3147	3150	3140
30°	3078	3078	3071
35°	2966	2957	2943
40°	2748	2718	2709
45°	2402	2363	2373
50°	2074	2049	2060
55°	1843	1815	1819
60°	1650	1627	1627
65°	1479	1468	1474
70°	1330	1317	1330
75°	1234	1216	1234
80°	1151	1139	1099
85°	976	976	871

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2402 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	4.2
10°-20°	326.0	12.0
20°-30°	487.8	18.0
30°-40°	558.9	20.6
40°-50°	483.4	17.8
50°-60°	349.8	12.9
60°-70°	230.4	8.5
70°-80°	125.4	4.6
80°-90°	36.0	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°	927.8	34.2
0°-40°	1486.6	54.8
0°-60°	2319.8	85.6
0°-90°	2711.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2711.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1203	1203	1203	1203	1203	
5°	1197	1199	1199	1199	1197	114
15°	1155	1156	1156	1158	1154	326
25°	1060	1060	1061	1062	1057	487
35°	903	902	900	899	896	561
45°	631	630	621	620	624	489
55°	393	391	387	384	388	354
65°	232	234	231	229	232	232
75°	119	119	117	117	119	126
85°	32	32	32	32	28	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1203.4	1203.4	1203.4	1203.4	1203.4
2.5°	1200.9	1203.4	1202.6	1203.4	1200.9
5°	1196.6	1199.1	1199.1	1199.1	1197.4
7.5°	1190.6	1192.3	1193.2	1194.0	1189.8
10°	1182.1	1183.8	1182.9	1184.6	1181.2
12.5°	1171.0	1171.0	1171.8	1173.5	1170.1
15°	1154.7	1155.6	1156.4	1158.1	1153.9
17.5°	1135.9	1136.8	1137.7	1138.5	1135.1
20°	1114.6	1114.6	1116.3	1117.2	1112.9
22.5°	1088.1	1088.1	1089.8	1092.4	1087.3
25°	1059.9	1059.9	1060.8	1061.6	1057.4
27.5°	1026.6	1026.6	1027.5	1030.0	1024.9
30°	990.7	989.9	990.7	991.6	988.2
32.5°	950.6	949.8	948.9	949.8	945.5
35°	902.8	901.9	900.2	899.4	895.9
37.5°	847.3	845.6	842.1	842.1	838.7
40°	782.3	778.1	773.8	772.1	771.2
42.5°	707.2	703.8	697.8	696.9	696.9
45°	631.2	629.5	620.9	620.1	623.5
47.5°	562.8	558.6	550.9	549.2	554.3
50°	495.4	496.2	489.4	486.8	492.0
52.5°	442.4	440.7	434.7	433.0	437.3
55°	392.9	391.2	386.9	384.3	387.8
57.5°	347.6	346.8	342.5	341.6	343.3
60°	306.6	305.8	302.3	301.5	302.3
62.5°	268.2	268.2	264.8	263.1	265.6
65°	232.3	234.0	230.6	228.9	231.5
67.5°	199.9	201.6	198.1	196.4	199.9
70°	169.1	170.8	167.4	165.7	169.1
72.5°	142.6	143.5	140.9	140.1	144.3
75°	118.7	118.7	117.0	117.0	118.7
77.5°	96.5	95.7	94.8	94.8	93.1
80°	74.3	73.5	73.5	73.5	70.9
82.5°	53.0	51.2	52.1	53.0	48.7
85°	31.6	31.6	31.6	32.5	28.2
87.5°	12.8	12.8	12.0	12.8	11.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)