

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: P1050253

Luminaire Tested: PTR-14-40-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050253
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-14-40-PL1-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

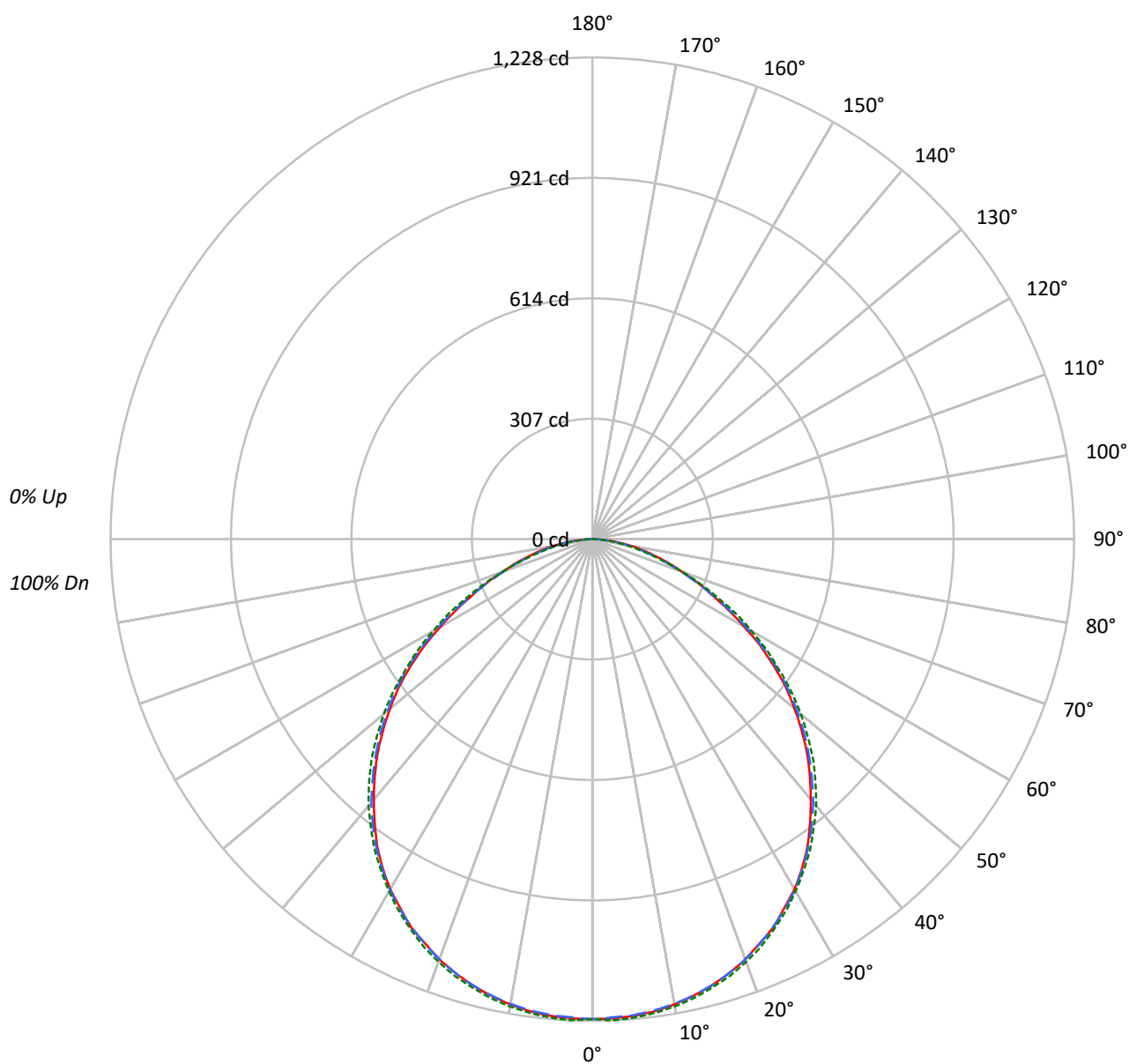
Lumens per Lamp: N/A
Luminaire Lumens: 3225.7 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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°	3293	3293	3293
5°	3296	3290	3308
10°	3292	3288	3306
15°	3282	3280	3297
20°	3265	3265	3283
25°	3243	3239	3256
30°	3202	3207	3222
35°	3141	3153	3178
40°	3044	3079	3118
45°	2949	2973	3030
50°	2819	2849	2906
55°	2655	2698	2729
60°	2408	2460	2521
65°	2139	2162	2249
70°	1912	1873	1920
75°	1725	1625	1593
80°	1568	1455	1292
85°	1328	1204	1037

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3030 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	3.6
10°-20°	332.9	10.3
20°-30°	503.6	15.6
30°-40°	600.3	18.6
40°-50°	603.6	18.7
50°-60°	512.3	15.9
60°-70°	341.1	10.6
70°-80°	170.3	5.3
80°-90°	45.5	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°	952.6	29.5
0°-40°	1552.8	48.1
0°-60°	2668.7	82.7
0°-90°	3225.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3225.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1224	1224	1224	1224	1224	
5°	1220	1220	1218	1223	1224	116
15°	1178	1179	1177	1182	1183	332
25°	1092	1092	1091	1096	1097	502
35°	956	957	960	966	968	596
45°	775	776	781	792	796	596
55°	566	570	575	580	582	504
65°	336	339	340	345	353	337
75°	166	164	156	153	153	178
85°	43	42	39	37	34	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1223.7	1223.7	1223.7	1223.7	1223.7
2.5°	1222.7	1223.7	1220.4	1226.3	1227.8
5°	1220.1	1220.4	1217.8	1223.2	1224.5
7.5°	1214.2	1214.7	1211.8	1217.8	1218.6
10°	1204.6	1205.6	1203.3	1208.7	1210.0
12.5°	1192.4	1193.7	1191.4	1197.4	1198.3
15°	1177.9	1179.2	1177.4	1182.4	1183.3
17.5°	1160.1	1161.1	1160.1	1164.7	1167.4
20°	1140.2	1140.2	1140.2	1144.3	1146.6
22.5°	1115.3	1117.6	1116.6	1122.1	1124.4
25°	1092.2	1092.2	1090.8	1095.9	1096.7
27.5°	1060.0	1063.6	1063.3	1067.7	1068.7
30°	1030.5	1031.5	1032.0	1035.1	1036.9
32.5°	994.7	995.5	997.0	1001.5	1002.0
35°	956.2	957.2	959.8	966.5	967.5
37.5°	911.4	916.3	918.6	925.9	926.7
40°	866.4	869.5	876.4	884.0	887.6
42.5°	820.6	824.2	828.3	838.7	842.0
45°	774.8	776.1	781.2	791.6	796.2
47.5°	724.0	728.2	732.6	741.7	744.5
50°	673.3	677.8	680.6	688.6	694.1
52.5°	622.1	626.2	629.3	634.3	639.7
55°	565.9	569.8	575.0	580.4	581.7
57.5°	508.7	513.2	516.5	522.2	528.2
60°	447.4	452.5	457.0	462.4	468.4
62.5°	390.4	392.6	397.2	406.3	414.8
65°	335.9	338.7	339.5	344.6	353.2
67.5°	290.6	290.6	286.5	288.3	297.9
70°	243.0	241.2	238.1	236.2	244.0
72.5°	204.4	202.1	195.4	192.3	196.4
75°	165.9	163.6	156.3	152.7	153.2
77.5°	133.3	129.7	123.7	117.5	116.1
80°	101.2	99.7	93.9	88.0	83.4
82.5°	71.7	68.5	65.2	61.6	58.0
85°	43.0	42.2	39.0	36.7	33.6
87.5°	17.6	17.6	16.8	15.8	15.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)