

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: P1050246

Luminaire Tested: PTR-14-80-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050246
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-14-80-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

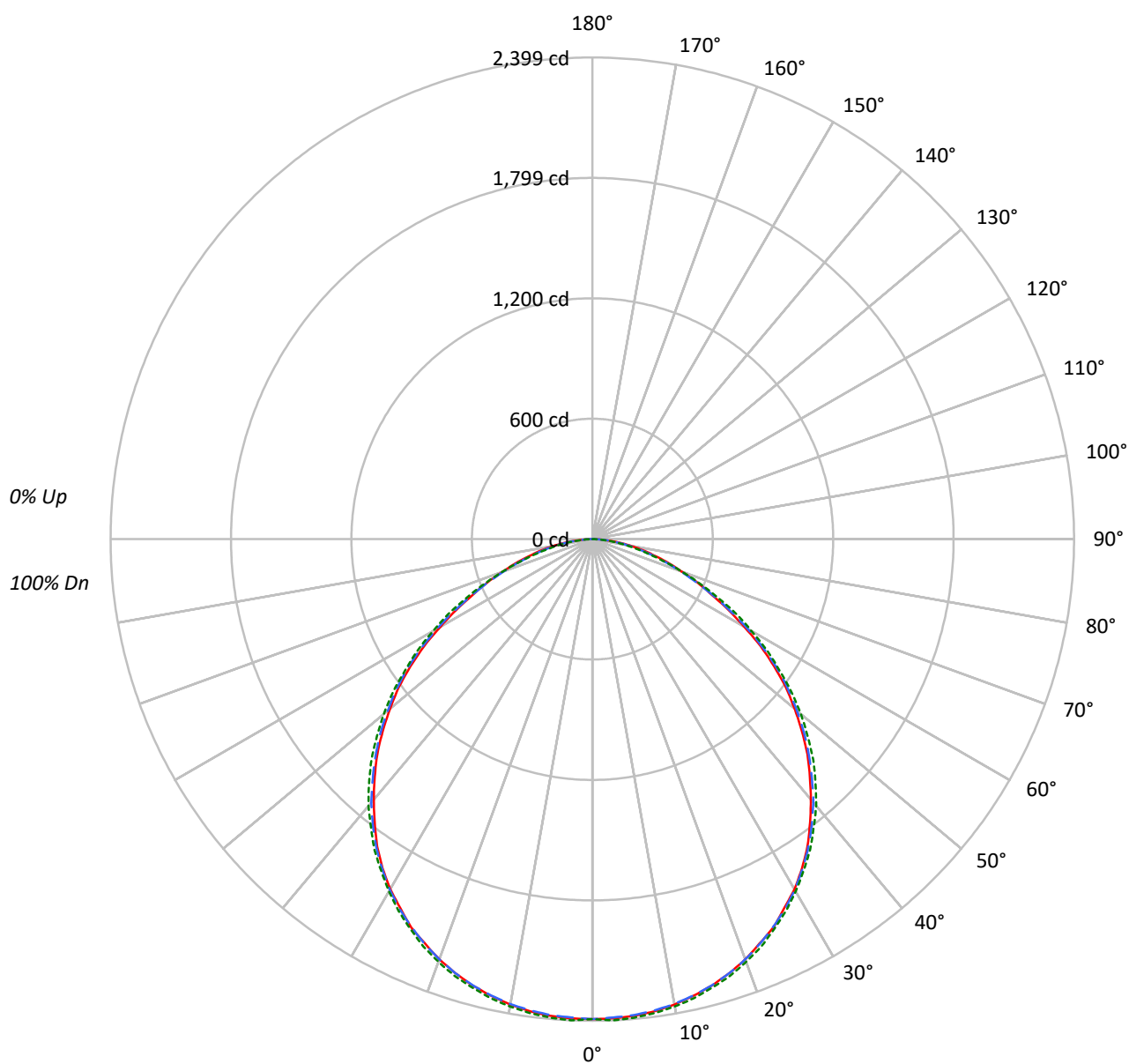
Lumens per Lamp: N/A
Luminaire Lumens: 6302.4 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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

TEST NUMBER: P1050246

CATALOG NUMBER: PTR-14-80-PL1-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050246

CATALOG NUMBER: PTR-14-80-PL1-L935-UNV-STD-W

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°	6434	6434	6434
5°	6440	6427	6463
10°	6431	6424	6460
15°	6412	6409	6441
20°	6379	6379	6416
25°	6336	6328	6362
30°	6256	6265	6295
35°	6137	6161	6210
40°	5947	6015	6092
45°	5761	5809	5920
50°	5507	5567	5677
55°	5187	5271	5332
60°	4705	4806	4925
65°	4179	4224	4394
70°	3736	3659	3751
75°	3370	3176	3112
80°	3062	2844	2524
85°	2594	2356	2029

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5920 cd/sqm

TEST NUMBER: P1050246

CATALOG NUMBER: PTR-14-80-PL1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.8	3.6
10°-20°	650.5	10.3
20°-30°	983.9	15.6
30°-40°	1172.8	18.6
40°-50°	1179.3	18.7
50°-60°	1000.9	15.9
60°-70°	666.4	10.6
70°-80°	332.7	5.3
80°-90°	89.0	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°	1861.2	29.5
0°-40°	3034.0	48.1
0°-60°	5214.2	82.7
0°-90°	6302.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6302.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2391	2391	2391	2391	2391	
5°	2384	2384	2379	2390	2392	227
15°	2302	2304	2300	2310	2312	649
25°	2134	2134	2131	2141	2143	981
35°	1868	1870	1875	1888	1890	1165
45°	1514	1516	1526	1547	1556	1165
55°	1106	1113	1123	1134	1137	985
65°	656	662	663	673	690	658
75°	324	320	306	298	299	348
85°	84	82	76	72	66	97
90°	0	0	0	0	0	

TEST NUMBER: P1050246

CATALOG NUMBER: PTR-14-80-PL1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2390.9	2390.9	2390.9	2390.9	2390.9
2.5°	2389.0	2390.9	2384.5	2396.1	2399.0
5°	2383.9	2384.5	2379.3	2390.0	2392.5
7.5°	2372.3	2373.2	2367.8	2379.3	2381.0
10°	2353.6	2355.5	2351.0	2361.6	2364.2
12.5°	2329.8	2332.4	2327.8	2339.4	2341.4
15°	2301.5	2304.0	2300.5	2310.1	2312.1
17.5°	2266.7	2268.6	2266.7	2275.7	2280.9
20°	2227.7	2227.7	2227.7	2235.8	2240.3
22.5°	2179.1	2183.6	2181.7	2192.3	2196.8
25°	2134.1	2134.1	2131.2	2141.2	2142.8
27.5°	2071.0	2078.1	2077.4	2086.1	2088.0
30°	2013.4	2015.3	2016.3	2022.4	2025.9
32.5°	1943.5	1945.1	1948.0	1956.7	1957.7
35°	1868.2	1870.1	1875.3	1888.5	1890.4
37.5°	1780.6	1790.3	1794.8	1809.0	1810.6
40°	1692.8	1698.9	1712.4	1727.2	1734.3
42.5°	1603.3	1610.4	1618.4	1638.7	1645.1
45°	1513.8	1516.4	1526.4	1546.6	1555.7
47.5°	1414.7	1422.7	1431.4	1449.1	1454.6
50°	1315.5	1324.2	1329.7	1345.5	1356.1
52.5°	1215.4	1223.5	1229.6	1239.2	1249.9
55°	1105.7	1113.4	1123.4	1134.0	1136.6
57.5°	994.0	1002.7	1009.1	1020.4	1032.0
60°	874.2	884.2	892.9	903.5	915.1
62.5°	762.9	767.0	776.1	793.8	810.5
65°	656.3	661.8	663.4	673.4	690.1
67.5°	567.8	567.8	559.8	563.3	582.0
70°	474.8	471.2	465.1	461.6	476.7
72.5°	399.5	394.9	381.8	375.6	383.7
75°	324.1	319.6	305.5	298.4	299.3
77.5°	260.4	253.3	241.7	229.5	226.9
80°	197.6	194.7	183.5	171.9	162.9
82.5°	140.0	133.9	127.5	120.4	113.3
85°	84.0	82.4	76.3	71.8	65.7
87.5°	34.4	34.4	32.8	30.9	29.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)