

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: P1050441

Luminaire Tested: PTR-14-80-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PW1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

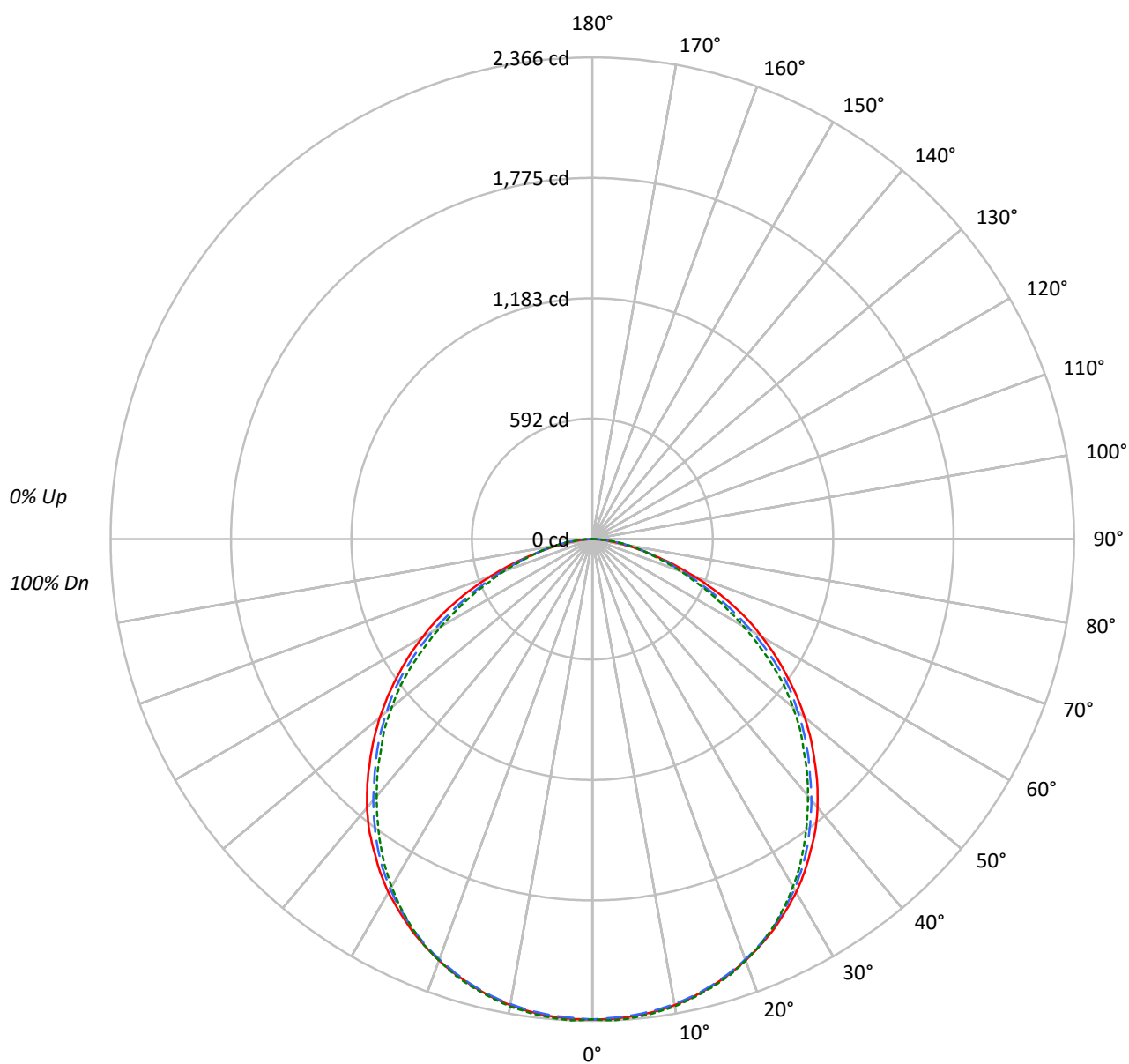
Lumens per Lamp: N/A
Luminaire Lumens: 6261.1 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6349	6349	6349
5°	6354	6340	6373
10°	6351	6337	6369
15°	6332	6322	6346
20°	6306	6292	6306
25°	6271	6245	6240
30°	6224	6169	6126
35°	6140	6048	5970
40°	6046	5881	5788
45°	5879	5705	5589
50°	5701	5515	5388
55°	5464	5279	5069
60°	5180	4874	4619
65°	4791	4353	4136
70°	4154	3789	3647
75°	3316	3243	3154
80°	2520	2816	2816
85°	1865	2402	2402

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5879 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.7	3.6
10°-20°	641.8	10.2
20°-30°	969.9	15.5
30°-40°	1151.7	18.4
40°-50°	1160.3	18.5
50°-60°	1002.9	16.0
60°-70°	685.4	10.9
70°-80°	338.0	5.4
80°-90°	87.4	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°	1835.4	29.3
0°-40°	2987.1	47.7
0°-60°	5150.3	82.3
0°-90°	6261.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6261.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2359	2359	2359	2359	2359	
5°	2352	2353	2347	2357	2359	224
15°	2273	2275	2269	2277	2278	642
25°	2112	2110	2103	2105	2102	973
35°	1869	1863	1841	1824	1817	1170
45°	1545	1528	1499	1482	1469	1192
55°	1165	1161	1125	1092	1080	1041
65°	752	726	684	654	650	743
75°	319	316	312	312	303	348
85°	60	71	78	79	78	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2359.3	2359.3	2359.3	2359.3	2359.3
2.5°	2358.7	2359.3	2353.3	2363.7	2366.3
5°	2352.3	2353.3	2347.2	2356.8	2359.3
7.5°	2341.2	2342.8	2335.8	2345.3	2347.2
10°	2324.4	2325.3	2319.3	2328.8	2330.7
12.5°	2301.8	2302.4	2297.4	2305.9	2305.9
15°	2272.9	2275.4	2269.4	2277.3	2278.0
17.5°	2240.5	2241.4	2235.4	2244.0	2245.9
20°	2202.1	2202.1	2197.0	2204.0	2202.1
22.5°	2159.2	2159.2	2153.1	2156.6	2158.2
25°	2112.2	2110.2	2103.3	2105.2	2101.7
27.5°	2057.8	2057.8	2045.4	2045.4	2039.4
30°	2002.9	1998.4	1985.4	1977.5	1971.4
32.5°	1939.7	1933.6	1917.1	1903.1	1898.7
35°	1869.1	1862.8	1840.9	1824.3	1817.4
37.5°	1800.8	1786.9	1758.0	1741.4	1733.5
40°	1721.1	1703.6	1674.1	1651.2	1647.7
42.5°	1635.7	1621.7	1583.2	1566.4	1562.3
45°	1544.8	1528.0	1499.1	1481.6	1468.6
47.5°	1455.5	1443.2	1410.1	1389.1	1384.7
50°	1361.8	1351.3	1317.4	1294.8	1286.9
52.5°	1264.9	1258.0	1229.0	1200.1	1190.6
55°	1164.6	1161.1	1125.2	1091.8	1080.4
57.5°	1065.8	1061.3	1016.5	978.1	967.6
60°	962.5	949.5	905.7	869.8	858.3
62.5°	864.7	836.7	789.4	761.4	748.4
65°	752.5	725.5	683.6	653.8	649.6
67.5°	642.6	610.2	577.8	559.4	545.4
70°	528.0	506.0	481.6	466.0	463.5
72.5°	421.2	405.7	393.3	383.7	375.8
75°	318.9	316.4	311.9	311.9	303.4
77.5°	234.4	240.5	244.0	243.0	244.9
80°	162.6	174.7	181.7	182.7	181.7
82.5°	103.2	117.2	128.7	130.2	132.1
85°	60.4	70.8	77.8	79.4	77.8
87.5°	27.0	34.0	35.9	37.5	35.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)