

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: P1050147

Luminaire Tested: PTR-14-80-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PB1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

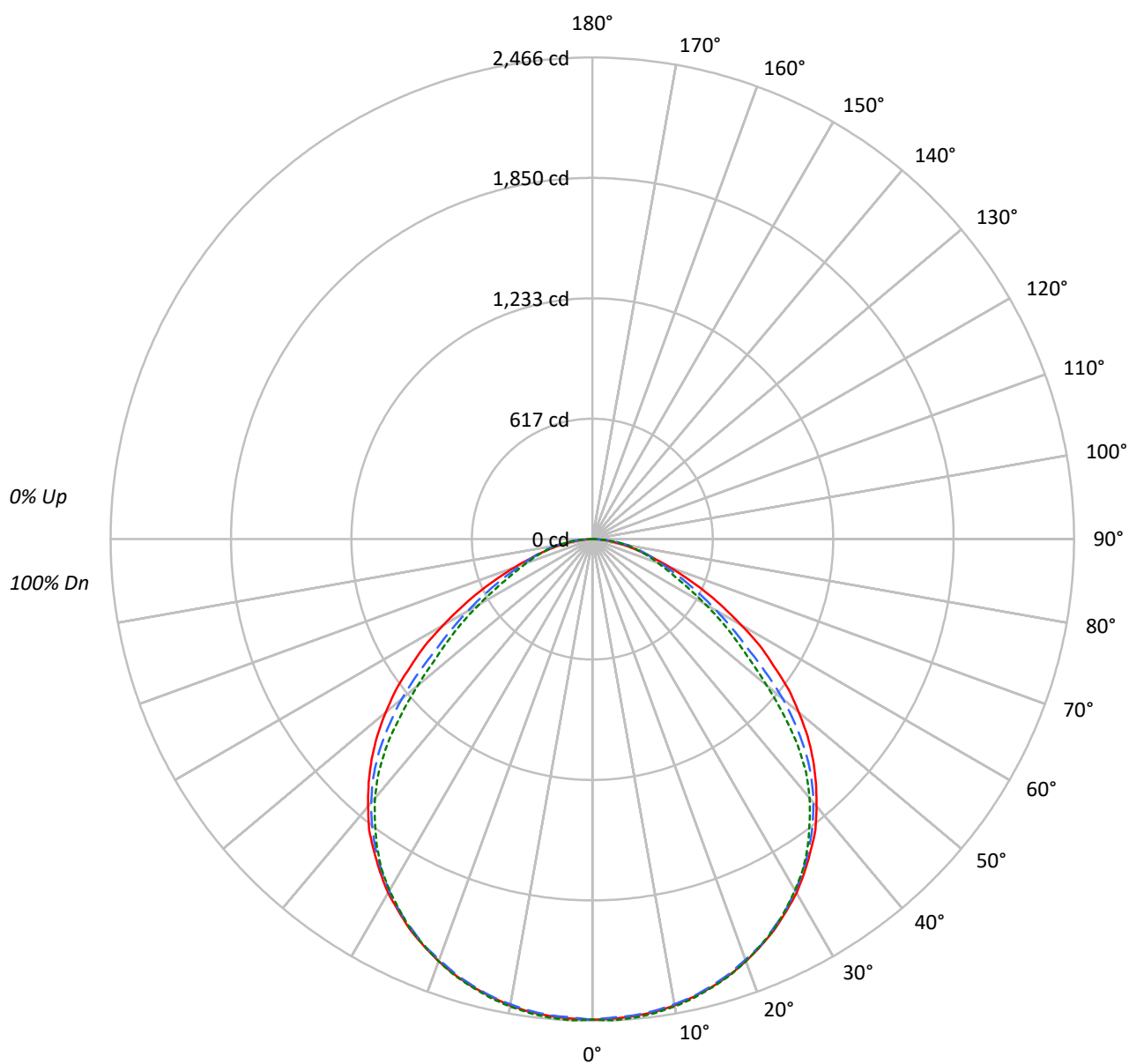
Lumens per Lamp: N/A
Luminaire Lumens: 6134.4 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6620	6620	6620
5°	6621	6613	6645
10°	6623	6607	6640
15°	6609	6593	6617
20°	6586	6560	6586
25°	6550	6523	6540
30°	6497	6460	6450
35°	6401	6352	6313
40°	6272	6187	6080
45°	6080	5884	5642
50°	5777	5333	4877
55°	5324	4529	4201
60°	4739	3958	3599
65°	4066	3431	3065
70°	3356	3024	2810
75°	2831	2894	2739
80°	2393	2954	2816
85°	1874	2992	2618

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6080 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.3	3.8
10°-20°	669.3	10.9
20°-30°	1013.9	16.5
30°-40°	1208.1	19.7
40°-50°	1181.4	19.3
50°-60°	893.6	14.6
60°-70°	549.0	8.9
70°-80°	292.5	4.8
80°-90°	93.3	1.5
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°	1916.5	31.2
0°-40°	3124.6	50.9
0°-60°	5199.6	84.8
0°-90°	6134.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6134.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2460	2460	2460	2460	2460	
5°	2451	2454	2448	2457	2460	233
15°	2372	2375	2366	2375	2375	670
25°	2206	2203	2197	2200	2203	1016
35°	1949	1946	1934	1924	1922	1219
45°	1598	1589	1546	1495	1483	1229
55°	1135	1077	965	911	896	1016
65°	638	587	539	496	481	635
75°	272	275	278	269	263	292
85°	61	79	97	91	85	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2460.1	2460.1	2460.1	2460.1	2460.1
2.5°	2457.2	2460.1	2450.9	2463.3	2466.1
5°	2450.9	2454.1	2448.0	2457.2	2460.1
7.5°	2442.0	2442.0	2436.0	2444.9	2448.0
10°	2423.9	2423.9	2417.9	2426.8	2429.9
12.5°	2399.7	2399.7	2396.6	2402.6	2405.8
15°	2372.4	2375.3	2366.4	2375.3	2375.3
17.5°	2339.1	2336.2	2333.0	2339.1	2342.2
20°	2299.7	2299.7	2290.8	2296.8	2299.7
22.5°	2254.3	2254.3	2251.4	2254.3	2251.4
25°	2206.0	2202.8	2196.8	2199.9	2202.8
27.5°	2148.5	2148.5	2142.4	2142.4	2139.3
30°	2091.0	2087.8	2078.9	2072.9	2075.7
32.5°	2021.4	2018.2	2009.3	2003.3	2006.1
35°	1948.6	1945.8	1933.7	1924.5	1921.6
37.5°	1876.2	1867.0	1851.8	1839.7	1827.6
40°	1785.4	1776.1	1761.2	1733.9	1730.7
42.5°	1694.5	1685.6	1661.1	1628.1	1618.9
45°	1597.6	1588.7	1546.1	1494.7	1482.6
47.5°	1494.7	1479.7	1413.0	1349.5	1325.4
50°	1380.0	1352.7	1273.9	1192.3	1164.9
52.5°	1267.9	1219.6	1116.6	1043.9	1016.9
55°	1134.8	1077.3	965.4	910.8	895.5
57.5°	1016.9	938.1	847.3	792.9	780.9
60°	880.6	807.9	735.4	686.8	668.7
62.5°	756.4	692.9	632.5	589.9	569.0
65°	638.5	587.1	538.8	496.2	481.3
67.5°	523.5	496.2	456.8	423.8	414.6
70°	426.6	411.4	384.4	369.1	357.1
72.5°	339.0	345.0	326.9	320.9	311.6
75°	272.3	275.4	278.3	269.4	263.4
77.5°	205.9	220.8	232.9	226.8	220.8
80°	154.4	169.3	190.6	181.7	181.7
82.5°	105.8	124.2	142.3	136.3	133.1
85°	60.7	78.8	96.9	90.9	84.8
87.5°	24.1	39.4	42.3	42.3	39.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)