

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: P1050897

Luminaire Tested: 24PTR-40-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PP3-L930-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

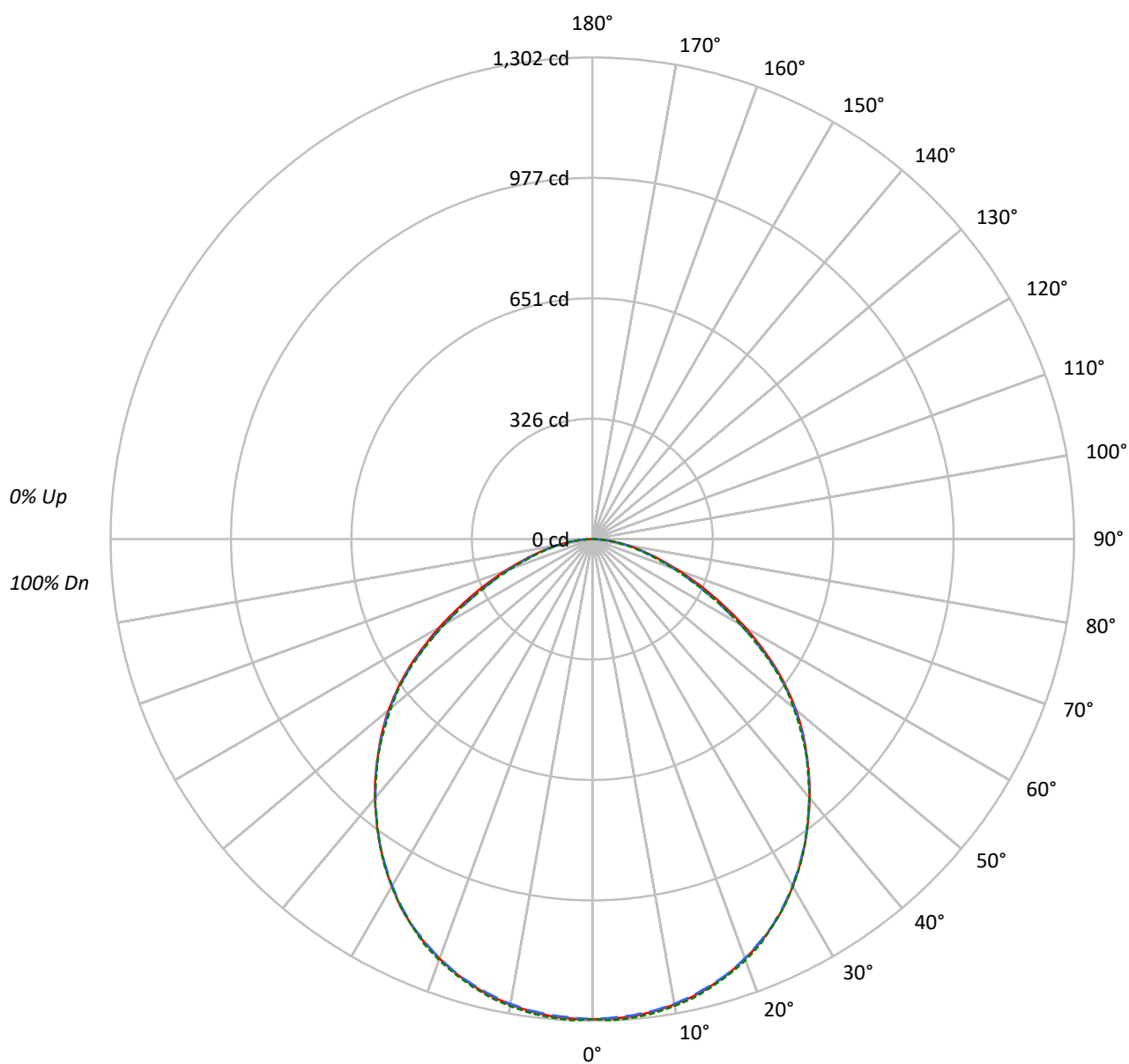
Lumens per Lamp: N/A
Luminaire Lumens: 3353.3 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1746	1746	1746
5°	1748	1744	1753
10°	1745	1743	1751
15°	1740	1736	1744
20°	1728	1727	1734
25°	1713	1710	1712
30°	1684	1680	1684
35°	1647	1645	1646
40°	1605	1600	1604
45°	1557	1552	1554
50°	1505	1498	1487
55°	1417	1400	1396
60°	1285	1242	1245
65°	1129	1073	1071
70°	976	932	921
75°	844	814	795
80°	748	738	704
85°	619	639	602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1562 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	3.7
10°-20°	352.6	10.5
20°-30°	530.9	15.8
30°-40°	626.5	18.7
40°-50°	630.1	18.8
50°-60°	532.0	15.9
60°-70°	341.6	10.2
70°-80°	169.9	5.1
80°-90°	46.6	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°	1006.5	30.0
0°-40°	1633.1	48.7
0°-60°	2795.2	83.4
0°-90°	3353.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3353.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1298	1298	1298	1298	1298	
5°	1294	1294	1291	1297	1298	123
15°	1249	1249	1246	1252	1252	352
25°	1154	1154	1152	1154	1153	531
35°	1003	1003	1002	1002	1002	627
45°	818	821	816	817	817	631
55°	604	603	597	594	595	537
65°	355	350	337	333	336	354
75°	162	162	156	155	153	176
85°	40	41	41	39	39	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1297.8	1297.8	1297.8	1297.8	1297.8
2.5°	1297.3	1297.8	1294.4	1300.6	1301.6
5°	1294.1	1294.4	1291.2	1297.3	1298.2
7.5°	1287.4	1287.9	1285.0	1290.6	1291.7
10°	1277.5	1279.0	1275.6	1280.9	1281.7
12.5°	1265.3	1265.8	1262.4	1268.6	1269.6
15°	1248.9	1249.2	1246.5	1252.1	1252.1
17.5°	1229.9	1230.4	1228.5	1233.3	1232.8
20°	1206.9	1208.3	1205.9	1209.2	1211.1
22.5°	1182.0	1182.5	1179.6	1183.8	1185.7
25°	1153.7	1154.1	1151.8	1154.1	1153.2
27.5°	1120.7	1121.5	1118.3	1120.7	1121.2
30°	1083.9	1086.3	1081.6	1083.5	1083.9
32.5°	1044.3	1045.7	1042.4	1043.0	1045.4
35°	1002.9	1003.4	1001.5	1002.4	1002.4
37.5°	958.2	960.1	957.2	958.6	956.7
40°	913.9	912.0	911.0	912.0	913.4
42.5°	867.2	867.7	866.3	865.3	863.1
45°	818.2	821.1	815.8	816.8	816.8
47.5°	770.3	770.6	767.9	765.0	763.1
50°	718.9	718.9	715.5	713.3	710.4
52.5°	662.8	661.9	658.2	655.8	657.1
55°	603.9	603.4	596.9	594.5	595.0
57.5°	539.4	540.4	530.5	528.1	528.1
60°	477.7	473.0	461.7	458.4	462.5
62.5°	413.0	407.4	395.2	395.2	398.5
65°	354.7	349.5	336.9	333.4	336.4
67.5°	300.1	295.3	283.6	281.8	282.6
70°	248.2	244.1	236.9	232.6	234.2
72.5°	203.5	199.8	195.0	191.7	189.8
75°	162.4	161.6	156.5	154.9	153.0
77.5°	128.6	128.2	123.9	122.0	120.2
80°	96.5	96.0	95.2	92.3	90.9
82.5°	68.8	68.8	68.3	65.9	64.5
85°	40.1	41.4	41.4	39.0	39.0
87.5°	16.1	16.9	16.1	16.1	15.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)