

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: P1050666

Luminaire Tested: 24PTR-40-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PC3-L930-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

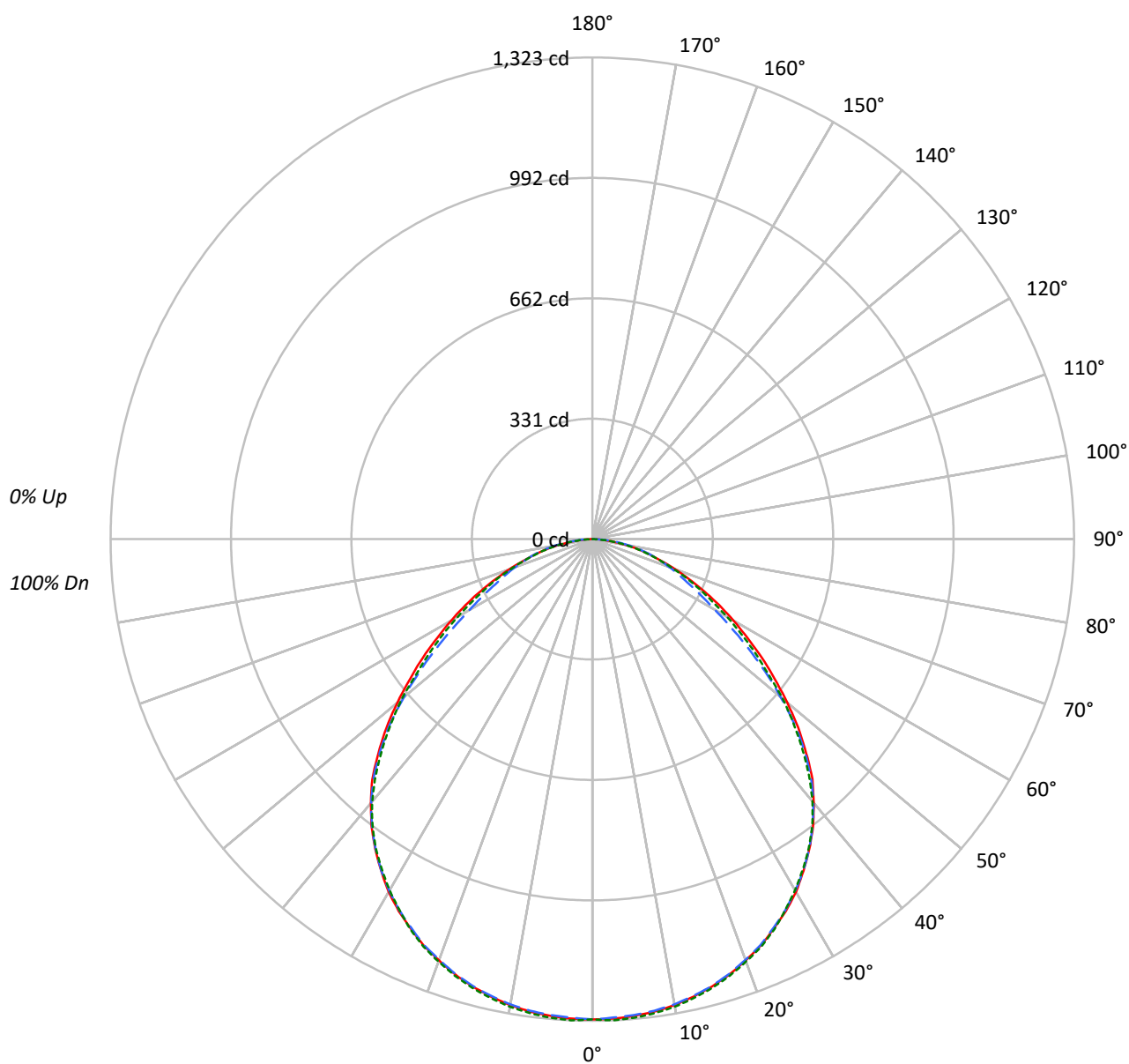
Lumens per Lamp: N/A
Luminaire Lumens: 3326.1 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1775	1775	1775
5°	1776	1772	1783
10°	1776	1772	1782
15°	1771	1769	1777
20°	1763	1761	1768
25°	1751	1749	1756
30°	1738	1732	1730
35°	1707	1705	1702
40°	1662	1659	1652
45°	1580	1568	1553
50°	1463	1414	1429
55°	1335	1227	1282
60°	1204	1046	1148
65°	1076	936	1032
70°	954	886	928
75°	844	858	827
80°	728	820	724
85°	545	648	545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1584 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	3.8
10°-20°	359.2	10.8
20°-30°	543.8	16.3
30°-40°	648.3	19.5
40°-50°	633.5	19.0
50°-60°	484.4	14.6
60°-70°	311.0	9.4
70°-80°	173.0	5.2
80°-90°	47.8	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°	1028.1	30.9
0°-40°	1676.4	50.4
0°-60°	2794.3	84.0
0°-90°	3326.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3326.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1319	1319	1319	1319	1319	
5°	1315	1316	1312	1318	1320	125
15°	1272	1273	1270	1275	1276	359
25°	1180	1181	1178	1182	1182	544
35°	1039	1040	1038	1038	1036	649
45°	830	832	824	822	816	639
55°	569	549	523	529	546	509
65°	338	312	294	304	324	337
75°	162	164	165	163	159	174
85°	35	42	42	41	35	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1318.4	1319.0	1315.5	1321.2	1323.1
5°	1314.7	1315.5	1312.3	1318.4	1319.8
7.5°	1309.0	1309.9	1306.6	1312.8	1313.3
10°	1299.6	1300.1	1297.2	1303.4	1304.2
12.5°	1286.9	1288.3	1285.0	1290.7	1291.0
15°	1271.6	1272.7	1270.3	1274.6	1275.9
17.5°	1253.8	1254.3	1251.9	1256.6	1257.1
20°	1231.5	1231.5	1229.6	1234.9	1234.9
22.5°	1208.9	1207.5	1207.0	1208.9	1211.8
25°	1179.7	1181.1	1177.9	1181.6	1182.5
27.5°	1151.5	1151.5	1148.5	1150.4	1148.0
30°	1118.9	1117.0	1115.1	1115.4	1113.2
32.5°	1079.6	1079.6	1078.8	1078.8	1075.8
35°	1039.2	1040.0	1038.1	1037.6	1036.2
37.5°	995.6	997.1	993.7	992.9	991.8
40°	946.1	946.1	944.7	942.8	940.4
42.5°	894.6	894.6	888.6	883.8	880.6
45°	830.5	832.4	824.3	822.4	815.9
47.5°	766.7	765.3	754.5	753.2	749.4
50°	698.8	690.8	675.3	679.5	682.9
52.5°	630.9	621.0	598.4	603.0	608.6
55°	569.0	549.3	522.9	529.4	546.4
57.5°	504.4	478.0	451.6	463.9	485.0
60°	447.3	417.7	388.8	402.0	426.6
62.5°	392.6	361.1	337.9	350.6	371.4
65°	337.9	311.9	294.0	303.8	324.2
67.5°	287.9	270.4	258.2	262.8	279.3
70°	242.6	231.6	225.1	226.5	235.9
72.5°	199.6	196.8	194.4	194.4	195.3
75°	162.4	163.7	165.1	162.9	159.1
77.5°	127.9	132.5	136.0	131.2	126.5
80°	94.0	101.5	105.8	100.5	93.4
82.5°	64.1	72.7	74.1	70.8	62.8
85°	35.3	41.5	42.0	40.6	35.3
87.5°	13.2	15.6	17.0	15.6	13.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)