

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: P1050908

Luminaire Tested: 24PTR-40-PP3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050908
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-L935-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

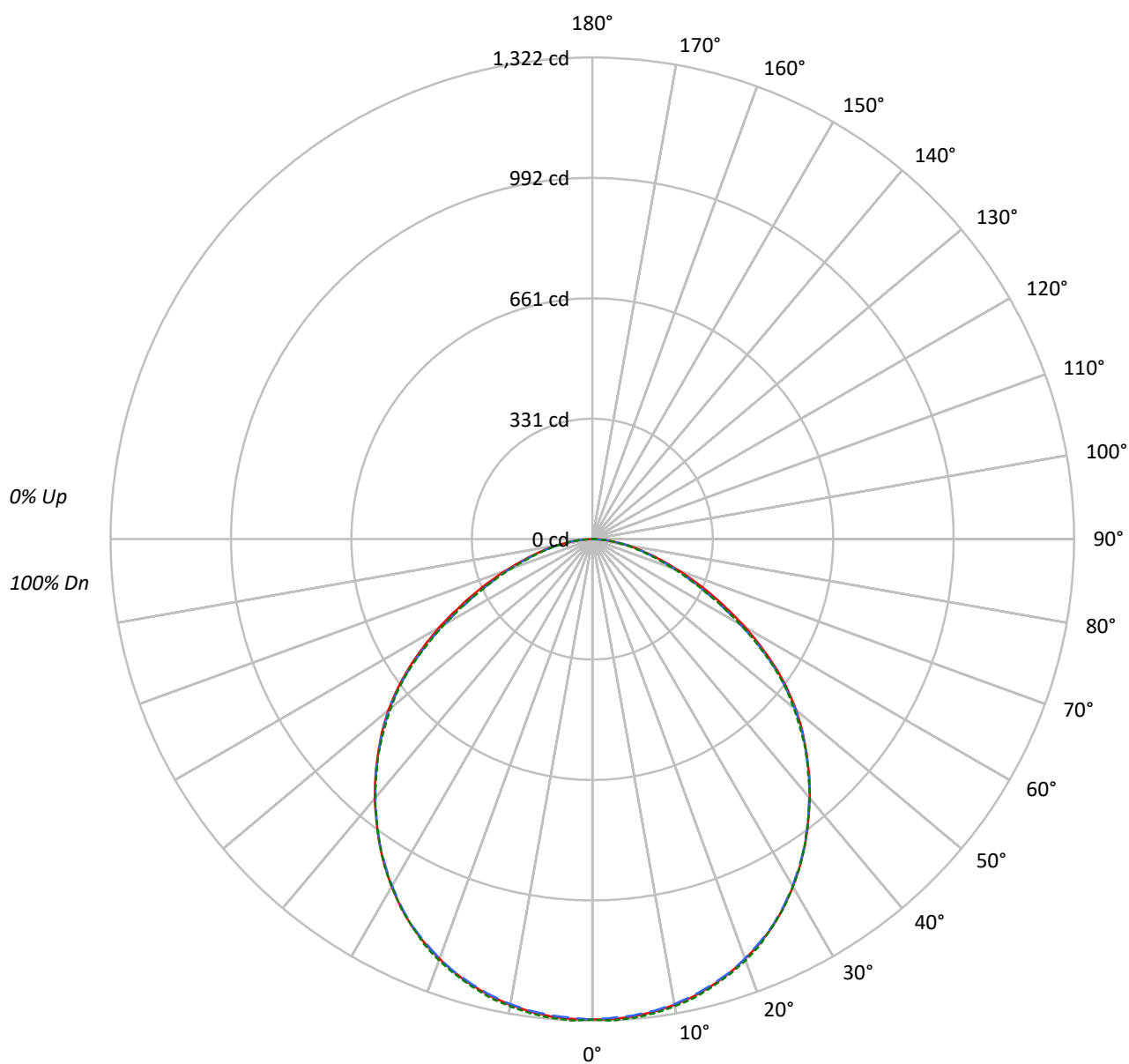
Lumens per Lamp: N/A
Luminaire Lumens: 3406.6 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1774	1774	1774
5°	1776	1772	1781
10°	1773	1771	1779
15°	1767	1764	1772
20°	1756	1754	1762
25°	1740	1737	1739
30°	1711	1707	1711
35°	1674	1671	1673
40°	1631	1626	1630
45°	1582	1577	1579
50°	1529	1522	1511
55°	1439	1422	1418
60°	1306	1262	1264
65°	1147	1089	1088
70°	992	947	936
75°	858	826	808
80°	760	749	715
85°	628	650	611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1587 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	3.7
10°-20°	358.2	10.5
20°-30°	539.3	15.8
30°-40°	636.5	18.7
40°-50°	640.1	18.8
50°-60°	540.4	15.9
60°-70°	347.1	10.2
70°-80°	172.6	5.1
80°-90°	47.3	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°	1022.6	30.0
0°-40°	1659.1	48.7
0°-60°	2839.6	83.4
0°-90°	3406.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3406.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1315	1315	1312	1318	1319	125
15°	1269	1269	1266	1272	1272	358
25°	1172	1172	1170	1172	1172	539
35°	1019	1019	1018	1018	1018	637
45°	831	834	829	830	830	641
55°	614	613	606	604	604	546
65°	360	355	342	339	342	359
75°	165	164	159	157	156	179
85°	41	42	42	40	40	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1318.5	1318.5	1318.5	1318.5	1318.5
2.5°	1318.0	1318.5	1315.0	1321.3	1322.3
5°	1314.7	1315.0	1311.7	1318.0	1318.8
7.5°	1307.9	1308.4	1305.4	1311.2	1312.2
10°	1297.8	1299.4	1295.9	1301.3	1302.1
12.5°	1285.4	1286.0	1282.5	1288.7	1289.8
15°	1268.7	1269.1	1266.3	1272.1	1272.1
17.5°	1249.4	1250.0	1248.1	1252.9	1252.4
20°	1226.1	1227.5	1225.1	1228.4	1230.3
22.5°	1200.8	1201.3	1198.3	1202.7	1204.6
25°	1172.1	1172.4	1170.2	1172.4	1171.5
27.5°	1138.5	1139.4	1136.1	1138.5	1139.0
30°	1101.1	1103.5	1098.9	1100.8	1101.1
32.5°	1060.9	1062.3	1059.0	1059.6	1062.0
35°	1018.9	1019.4	1017.5	1018.3	1018.3
37.5°	973.5	975.4	972.4	973.8	971.9
40°	928.4	926.5	925.5	926.5	927.9
42.5°	881.0	881.5	880.1	879.0	876.8
45°	831.2	834.2	828.8	829.8	829.8
47.5°	782.5	782.9	780.1	777.1	775.2
50°	730.4	730.4	726.9	724.6	721.7
52.5°	673.3	672.5	668.6	666.2	667.6
55°	613.5	613.0	606.4	603.9	604.5
57.5°	547.9	549.0	538.9	536.5	536.5
60°	485.3	480.5	469.0	465.7	469.9
62.5°	419.6	413.9	401.5	401.5	404.8
65°	360.3	355.1	342.2	338.8	341.7
67.5°	304.8	300.0	288.1	286.2	287.1
70°	252.2	248.0	240.7	236.3	237.9
72.5°	206.8	202.9	198.1	194.8	192.9
75°	165.0	164.2	158.9	157.4	155.5
77.5°	130.6	130.2	125.9	124.0	122.1
80°	98.1	97.6	96.7	93.7	92.3
82.5°	69.9	69.9	69.4	67.0	65.6
85°	40.7	42.1	42.1	39.6	39.6
87.5°	16.3	17.2	16.3	16.3	15.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)