

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: P1050919

Luminaire Tested: 24PTR-40-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050919
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-L940-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

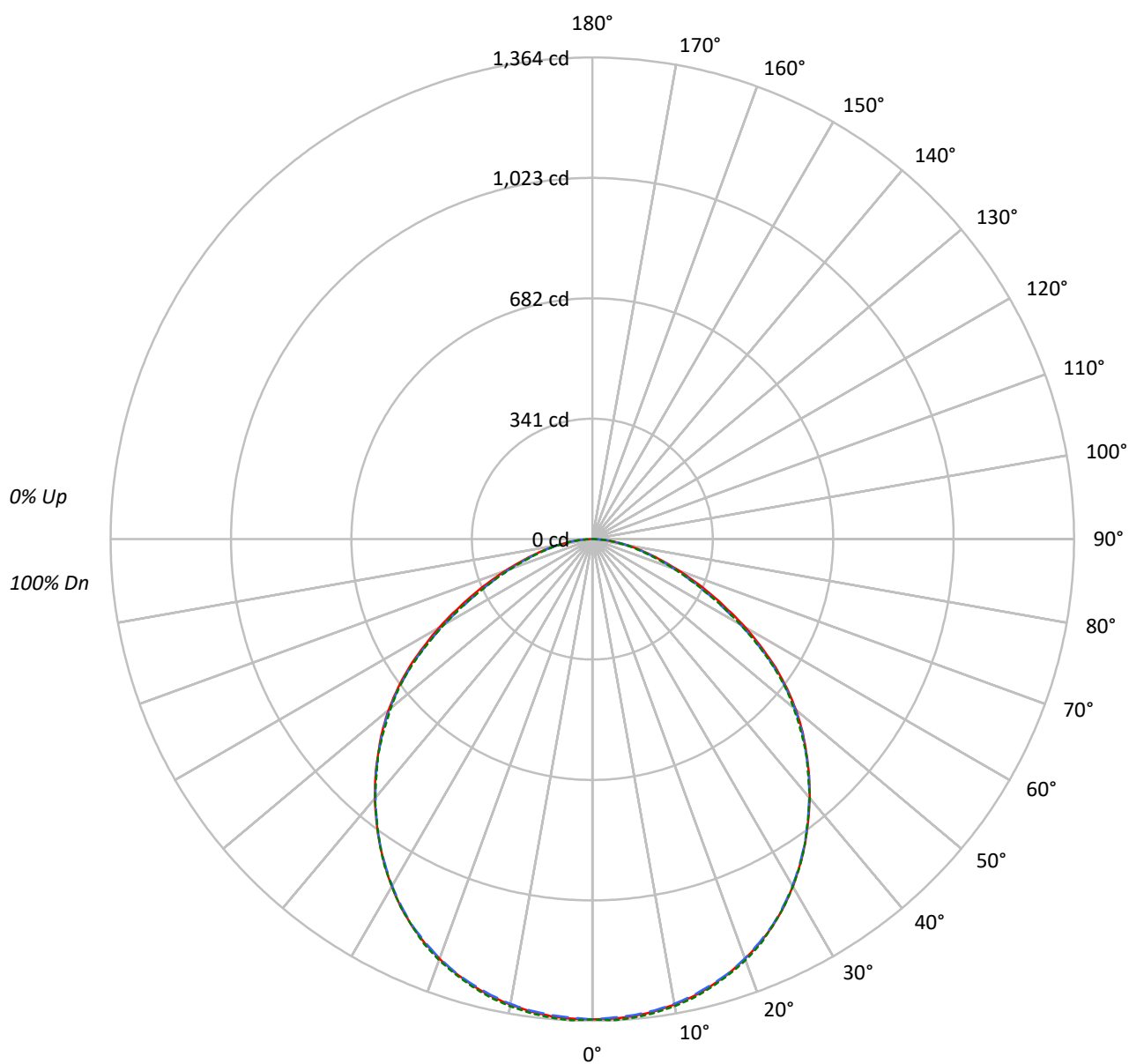
Lumens per Lamp: N/A
Luminaire Lumens: 3513.3 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1830	1830	1830
5°	1831	1827	1837
10°	1829	1826	1835
15°	1823	1819	1827
20°	1811	1809	1817
25°	1795	1792	1794
30°	1764	1761	1764
35°	1726	1724	1725
40°	1682	1676	1681
45°	1631	1627	1628
50°	1577	1569	1558
55°	1484	1467	1462
60°	1347	1302	1304
65°	1183	1124	1122
70°	1023	976	965
75°	885	852	833
80°	783	773	738
85°	648	670	631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1637 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	3.7
10°-20°	369.4	10.5
20°-30°	556.2	15.8
30°-40°	656.4	18.7
40°-50°	660.2	18.8
50°-60°	557.4	15.9
60°-70°	357.9	10.2
70°-80°	178.0	5.1
80°-90°	48.8	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°	1054.6	30.0
0°-40°	1711.0	48.7
0°-60°	2928.6	83.4
0°-90°	3513.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3513.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1360	1360	1360	1360	1360	
5°	1356	1356	1353	1359	1360	129
15°	1308	1309	1306	1312	1312	369
25°	1209	1209	1207	1209	1208	556
35°	1051	1051	1049	1050	1050	657
45°	857	860	855	856	856	662
55°	633	632	625	623	623	563
65°	372	366	353	349	352	370
75°	170	169	164	162	160	184
85°	42	43	43	41	41	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1359.8	1359.8	1359.8	1359.8	1359.8
2.5°	1359.2	1359.8	1356.2	1362.7	1363.7
5°	1355.8	1356.2	1352.8	1359.2	1360.1
7.5°	1348.8	1349.4	1346.3	1352.2	1353.3
10°	1338.4	1340.1	1336.5	1342.0	1342.9
12.5°	1325.7	1326.2	1322.7	1329.1	1330.2
15°	1308.5	1308.8	1306.0	1311.9	1311.9
17.5°	1288.6	1289.1	1287.1	1292.2	1291.6
20°	1264.5	1266.0	1263.5	1266.9	1268.9
22.5°	1238.4	1238.9	1235.9	1240.3	1242.3
25°	1208.8	1209.1	1206.8	1209.1	1208.2
27.5°	1174.2	1175.1	1171.6	1174.2	1174.7
30°	1135.6	1138.1	1133.3	1135.2	1135.6
32.5°	1094.2	1095.6	1092.2	1092.7	1095.2
35°	1050.8	1051.3	1049.3	1050.2	1050.2
37.5°	1004.0	1005.9	1002.9	1004.3	1002.3
40°	957.5	955.5	954.5	955.5	957.0
42.5°	908.6	909.1	907.7	906.6	904.2
45°	857.3	860.3	854.8	855.8	855.8
47.5°	807.0	807.4	804.5	801.5	799.5
50°	753.2	753.2	749.7	747.3	744.3
52.5°	694.4	693.5	689.6	687.1	688.5
55°	632.7	632.2	625.4	622.9	623.4
57.5°	565.1	566.2	555.8	553.3	553.3
60°	500.5	495.5	483.7	480.3	484.6
62.5°	432.8	426.8	414.1	414.1	417.5
65°	371.6	366.2	352.9	349.4	352.4
67.5°	314.4	309.4	297.2	295.2	296.1
70°	260.0	255.7	248.2	243.7	245.3
72.5°	213.2	209.3	204.3	200.9	198.9
75°	170.2	169.3	163.9	162.3	160.3
77.5°	134.7	134.3	129.8	127.9	125.9
80°	101.1	100.6	99.7	96.7	95.2
82.5°	72.1	72.1	71.6	69.0	67.6
85°	42.0	43.4	43.4	40.9	40.9
87.5°	16.9	17.8	16.9	16.9	16.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)