

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: P1050688

Luminaire Tested: 24PTR-40-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050688
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-L940-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

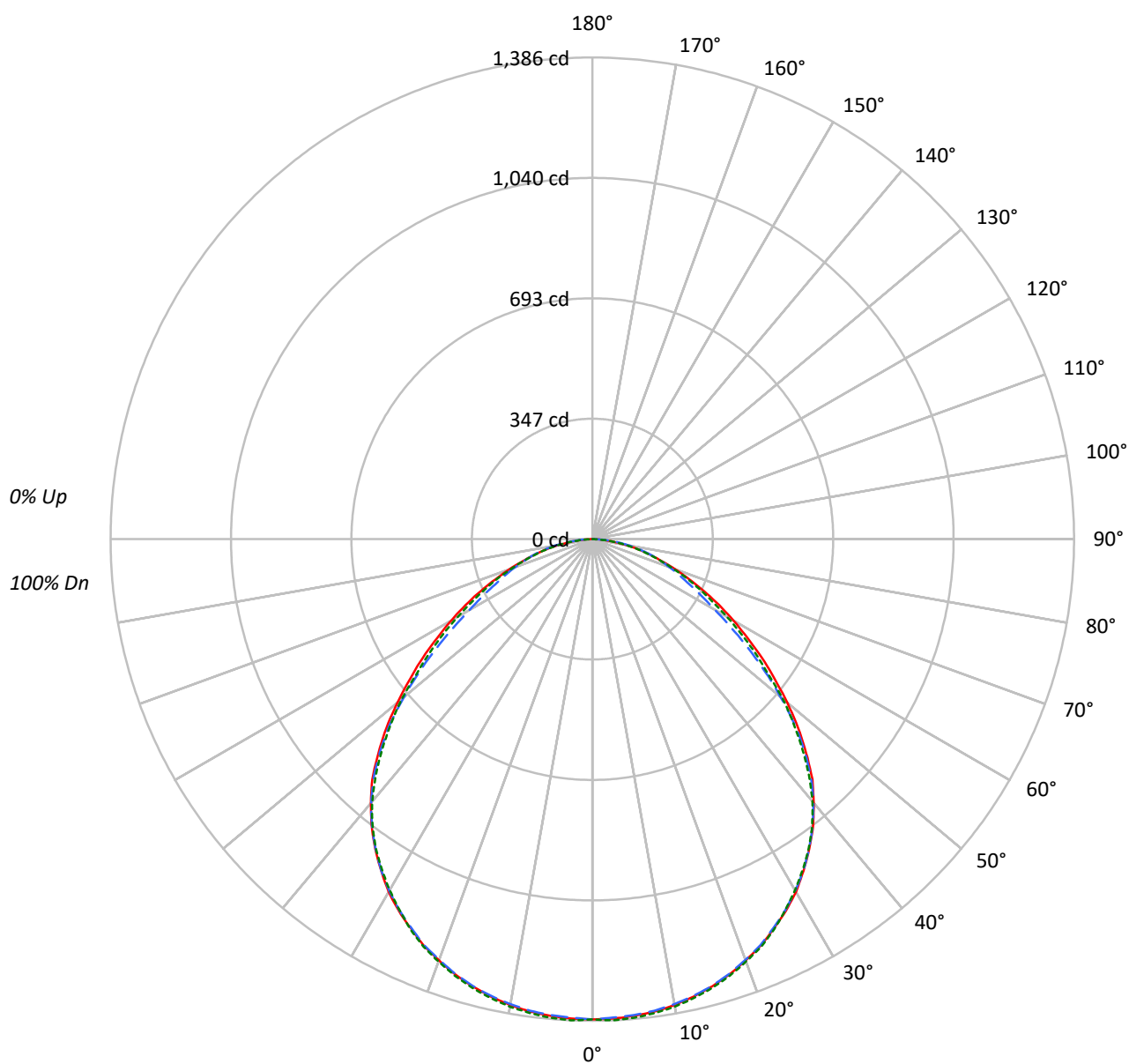
Lumens per Lamp: N/A
Luminaire Lumens: 3484.2 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1859	1859	1859
5°	1860	1857	1867
10°	1860	1856	1867
15°	1856	1854	1862
20°	1847	1844	1852
25°	1835	1832	1839
30°	1821	1815	1812
35°	1788	1786	1783
40°	1741	1738	1730
45°	1655	1643	1626
50°	1532	1481	1497
55°	1398	1285	1343
60°	1261	1096	1202
65°	1127	981	1081
70°	1000	928	972
75°	884	899	867
80°	762	859	759
85°	571	679	571

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1659 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	3.8
10°-20°	376.2	10.8
20°-30°	569.6	16.3
30°-40°	679.1	19.5
40°-50°	663.6	19.0
50°-60°	507.4	14.6
60°-70°	325.8	9.4
70°-80°	181.2	5.2
80°-90°	50.1	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°	1077.0	30.9
0°-40°	1756.1	50.4
0°-60°	2927.1	84.0
0°-90°	3484.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3484.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1382	1382	1382	1382	1382	
5°	1377	1378	1375	1381	1383	131
15°	1332	1333	1331	1335	1337	376
25°	1236	1237	1234	1238	1239	570
35°	1089	1089	1088	1087	1086	680
45°	870	872	864	862	855	669
55°	596	575	548	555	572	533
65°	354	327	308	318	340	353
75°	170	172	173	171	167	182
85°	37	44	44	43	37	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1382.0	1382.0	1382.0	1382.0	1382.0
2.5°	1381.1	1381.7	1378.1	1384.0	1386.0
5°	1377.2	1378.1	1374.7	1381.1	1382.6
7.5°	1371.2	1372.1	1368.7	1375.2	1375.7
10°	1361.4	1361.9	1358.8	1365.3	1366.2
12.5°	1348.1	1349.5	1346.1	1352.0	1352.4
15°	1332.1	1333.2	1330.7	1335.1	1336.6
17.5°	1313.4	1313.9	1311.4	1316.3	1316.8
20°	1290.1	1290.1	1288.1	1293.7	1293.7
22.5°	1266.4	1264.9	1264.4	1266.4	1269.4
25°	1235.8	1237.3	1233.8	1237.8	1238.7
27.5°	1206.2	1206.2	1203.1	1205.1	1202.6
30°	1172.1	1170.1	1168.1	1168.5	1166.1
32.5°	1130.9	1130.9	1130.0	1130.0	1127.0
35°	1088.6	1089.4	1087.5	1086.9	1085.5
37.5°	1042.9	1044.5	1041.0	1040.1	1039.0
40°	991.0	991.0	989.6	987.6	985.1
42.5°	937.1	937.1	930.9	925.8	922.4
45°	870.0	872.0	863.5	861.5	854.7
47.5°	803.2	801.7	790.4	789.0	785.0
50°	732.0	723.6	707.4	711.8	715.3
52.5°	660.9	650.5	626.8	631.7	637.6
55°	596.1	575.4	547.8	554.6	572.4
57.5°	528.4	500.7	473.1	486.0	508.1
60°	468.6	437.5	407.3	421.2	446.8
62.5°	411.3	378.2	354.0	367.3	389.0
65°	354.0	326.7	308.0	318.2	339.6
67.5°	301.5	283.2	270.5	275.3	292.6
70°	254.1	242.6	235.8	237.3	247.1
72.5°	209.1	206.2	203.7	203.7	204.6
75°	170.1	171.5	173.0	170.6	166.7
77.5°	134.0	138.8	142.4	137.4	132.5
80°	98.4	106.3	110.8	105.2	97.9
82.5°	67.2	76.2	77.6	74.2	65.7
85°	37.0	43.5	44.0	42.6	37.0
87.5°	13.8	16.3	17.8	16.3	14.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)