

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: P1050642

Luminaire Tested: 24PTR-30-PC3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050642
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-30-PC3-L840-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

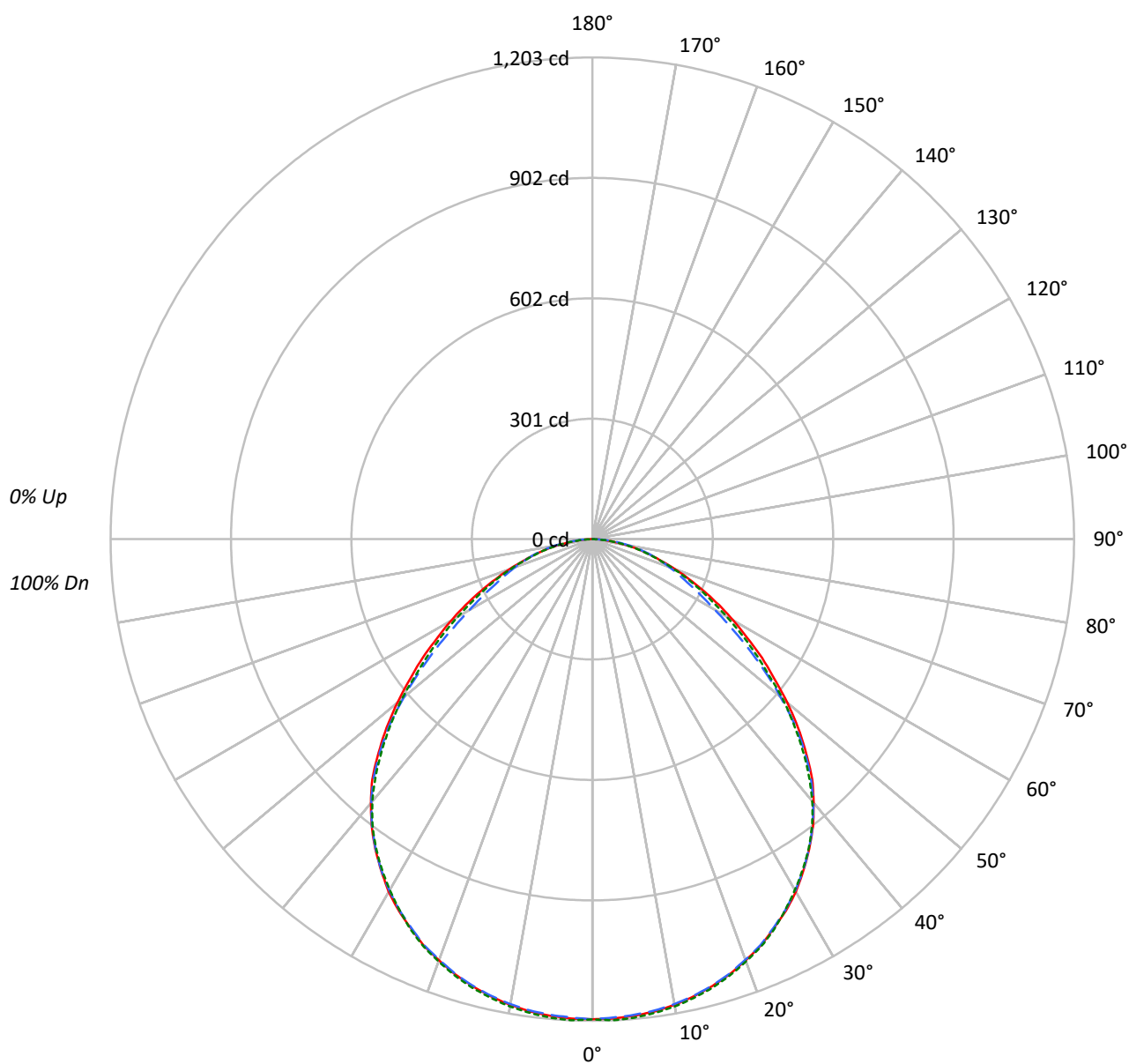
Lumens per Lamp: N/A
Luminaire Lumens: 3023.5 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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

TEST NUMBER: P1050642

CATALOG NUMBER: 24PTR-30-PC3-L840-UNV-STD-W

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°	1614	1614	1614
5°	1614	1611	1620
10°	1614	1611	1620
15°	1610	1608	1616
20°	1603	1601	1607
25°	1592	1590	1596
30°	1580	1575	1572
35°	1552	1550	1547
40°	1511	1508	1501
45°	1436	1426	1411
50°	1330	1285	1299
55°	1213	1115	1165
60°	1094	951	1044
65°	978	851	938
70°	867	805	843
75°	767	780	752
80°	662	745	658
85°	496	590	496

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1440 cd/sqm

TEST NUMBER: P1050642

CATALOG NUMBER: 24PTR-30-PC3-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	3.8
10°-20°	326.5	10.8
20°-30°	494.3	16.3
30°-40°	589.3	19.5
40°-50°	575.8	19.0
50°-60°	440.3	14.6
60°-70°	282.7	9.4
70°-80°	157.3	5.2
80°-90°	43.4	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°	934.6	30.9
0°-40°	1523.9	50.4
0°-60°	2540.1	84.0
0°-90°	3023.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3023.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1199	1199	1199	1199	1199	
5°	1195	1196	1193	1198	1200	114
15°	1156	1157	1155	1159	1160	326
25°	1072	1074	1071	1074	1075	495
35°	945	945	944	943	942	590
45°	755	757	749	748	742	581
55°	517	499	475	481	497	462
65°	307	284	267	276	295	306
75°	148	149	150	148	145	158
85°	32	38	38	37	32	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1199.3	1199.3	1199.3	1199.3	1199.3
2.5°	1198.5	1198.9	1195.8	1201.0	1202.7
5°	1195.1	1195.8	1192.9	1198.5	1199.7
7.5°	1189.9	1190.7	1187.7	1193.3	1193.8
10°	1181.3	1181.8	1179.2	1184.8	1185.5
12.5°	1169.8	1171.1	1168.1	1173.2	1173.5
15°	1155.9	1156.9	1154.7	1158.6	1159.8
17.5°	1139.7	1140.2	1138.0	1142.2	1142.7
20°	1119.5	1119.5	1117.8	1122.6	1122.6
22.5°	1098.9	1097.6	1097.2	1098.9	1101.5
25°	1072.4	1073.6	1070.7	1074.1	1074.9
27.5°	1046.7	1046.7	1044.0	1045.7	1043.6
30°	1017.1	1015.4	1013.6	1014.0	1011.9
32.5°	981.4	981.4	980.6	980.6	978.0
35°	944.6	945.4	943.7	943.2	942.0
37.5°	905.0	906.4	903.3	902.5	901.6
40°	860.0	860.0	858.7	857.0	854.8
42.5°	813.2	813.2	807.8	803.4	800.4
45°	754.9	756.6	749.3	747.6	741.7
47.5°	697.0	695.7	685.9	684.6	681.2
50°	635.2	627.9	613.9	617.6	620.7
52.5°	573.5	564.5	543.9	548.1	553.3
55°	517.3	499.3	475.3	481.3	496.7
57.5°	458.5	434.5	410.5	421.7	440.9
60°	406.6	379.6	353.5	365.5	387.8
62.5°	356.9	328.2	307.2	318.7	337.6
65°	307.2	283.5	267.3	276.2	294.7
67.5°	261.7	245.8	234.7	238.9	253.9
70°	220.5	210.6	204.6	205.9	214.4
72.5°	181.4	178.9	176.7	176.7	177.5
75°	147.6	148.8	150.1	148.1	144.6
77.5°	116.3	120.5	123.6	119.2	115.0
80°	85.4	92.3	96.2	91.3	84.9
82.5°	58.3	66.1	67.3	64.4	57.0
85°	32.1	37.7	38.2	36.9	32.1
87.5°	12.0	14.2	15.4	14.2	12.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)