

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: P1050873

Luminaire Tested: 24PTR-30-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050873
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-30-PP3-L840-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

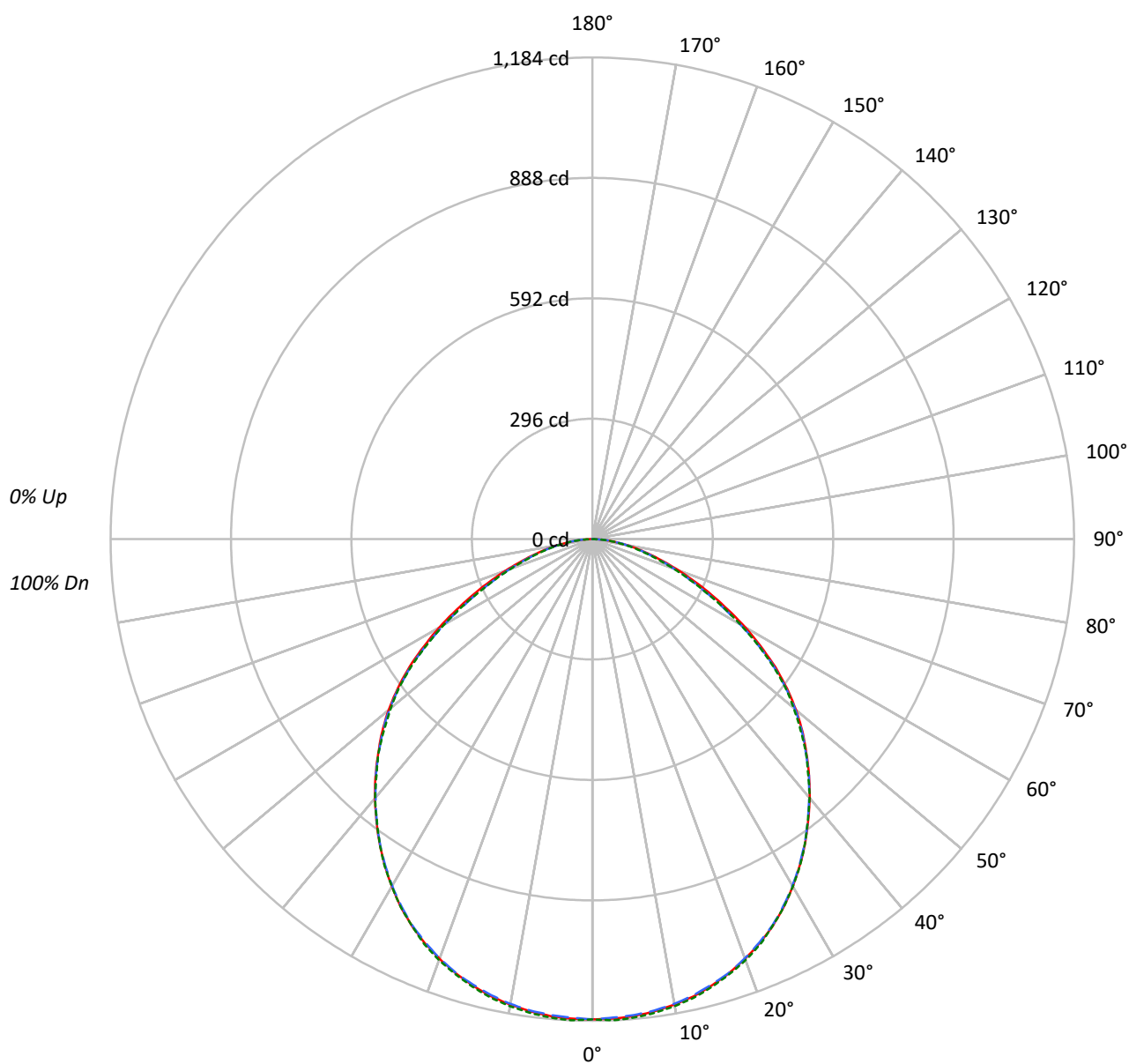
Lumens per Lamp: N/A
Luminaire Lumens: 3049.7 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	1588	1588	1588
5°	1590	1586	1595
10°	1587	1585	1593
15°	1582	1579	1586
20°	1572	1570	1577
25°	1558	1555	1557
30°	1531	1528	1531
35°	1498	1496	1497
40°	1460	1455	1459
45°	1416	1412	1414
50°	1369	1362	1352
55°	1288	1273	1269
60°	1169	1130	1132
65°	1027	975	974
70°	888	848	838
75°	768	740	724
80°	680	671	641
85°	562	582	548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1421 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	3.7
10°-20°	320.7	10.5
20°-30°	482.8	15.8
30°-40°	569.8	18.7
40°-50°	573.1	18.8
50°-60°	483.8	15.9
60°-70°	310.7	10.2
70°-80°	154.5	5.1
80°-90°	42.3	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°	915.4	30.0
0°-40°	1485.2	48.7
0°-60°	2542.1	83.4
0°-90°	3049.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3049.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1180	1180	1180	1180	1180	
5°	1177	1177	1174	1180	1181	112
15°	1136	1136	1134	1139	1139	320
25°	1049	1050	1048	1050	1049	483
35°	912	913	911	912	912	570
45°	744	747	742	743	743	574
55°	549	549	543	541	541	489
65°	323	318	306	303	306	322
75°	148	147	142	141	139	160
85°	36	38	38	36	36	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1180.3	1180.3	1180.3	1180.3	1180.3
2.5°	1179.9	1180.3	1177.2	1182.8	1183.8
5°	1176.9	1177.2	1174.3	1179.9	1180.6
7.5°	1170.8	1171.3	1168.7	1173.8	1174.7
10°	1161.8	1163.2	1160.1	1164.9	1165.7
12.5°	1150.8	1151.2	1148.1	1153.7	1154.6
15°	1135.8	1136.1	1133.6	1138.8	1138.8
17.5°	1118.5	1119.0	1117.3	1121.6	1121.2
20°	1097.7	1098.9	1096.7	1099.7	1101.4
22.5°	1074.9	1075.4	1072.8	1076.6	1078.4
25°	1049.3	1049.6	1047.5	1049.6	1048.8
27.5°	1019.2	1020.0	1017.0	1019.2	1019.7
30°	985.7	987.9	983.7	985.4	985.7
32.5°	949.8	951.0	948.1	948.5	950.7
35°	912.1	912.6	910.9	911.6	911.6
37.5°	871.5	873.2	870.5	871.8	870.1
40°	831.1	829.4	828.5	829.4	830.7
42.5°	788.7	789.1	787.9	786.9	784.9
45°	744.1	746.8	741.9	742.9	742.9
47.5°	700.5	700.8	698.4	695.7	694.0
50°	653.8	653.8	650.7	648.7	646.1
52.5°	602.8	602.0	598.6	596.4	597.6
55°	549.2	548.8	542.8	540.7	541.1
57.5°	490.5	491.5	482.4	480.3	480.3
60°	434.5	430.1	419.9	416.9	420.6
62.5°	375.6	370.5	359.5	359.5	362.4
65°	322.6	317.9	306.4	303.3	305.9
67.5°	272.9	268.5	258.0	256.2	257.0
70°	225.7	222.0	215.5	211.6	213.0
72.5°	185.1	181.7	177.3	174.4	172.6
75°	147.7	147.0	142.3	140.9	139.2
77.5°	116.9	116.6	112.7	111.0	109.3
80°	87.8	87.3	86.6	83.9	82.7
82.5°	62.6	62.6	62.1	59.9	58.7
85°	36.4	37.7	37.7	35.5	35.5
87.5°	14.6	15.4	14.6	14.6	14.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)