

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: P1050851

Luminaire Tested: 24PTR-30-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050851
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-L830-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

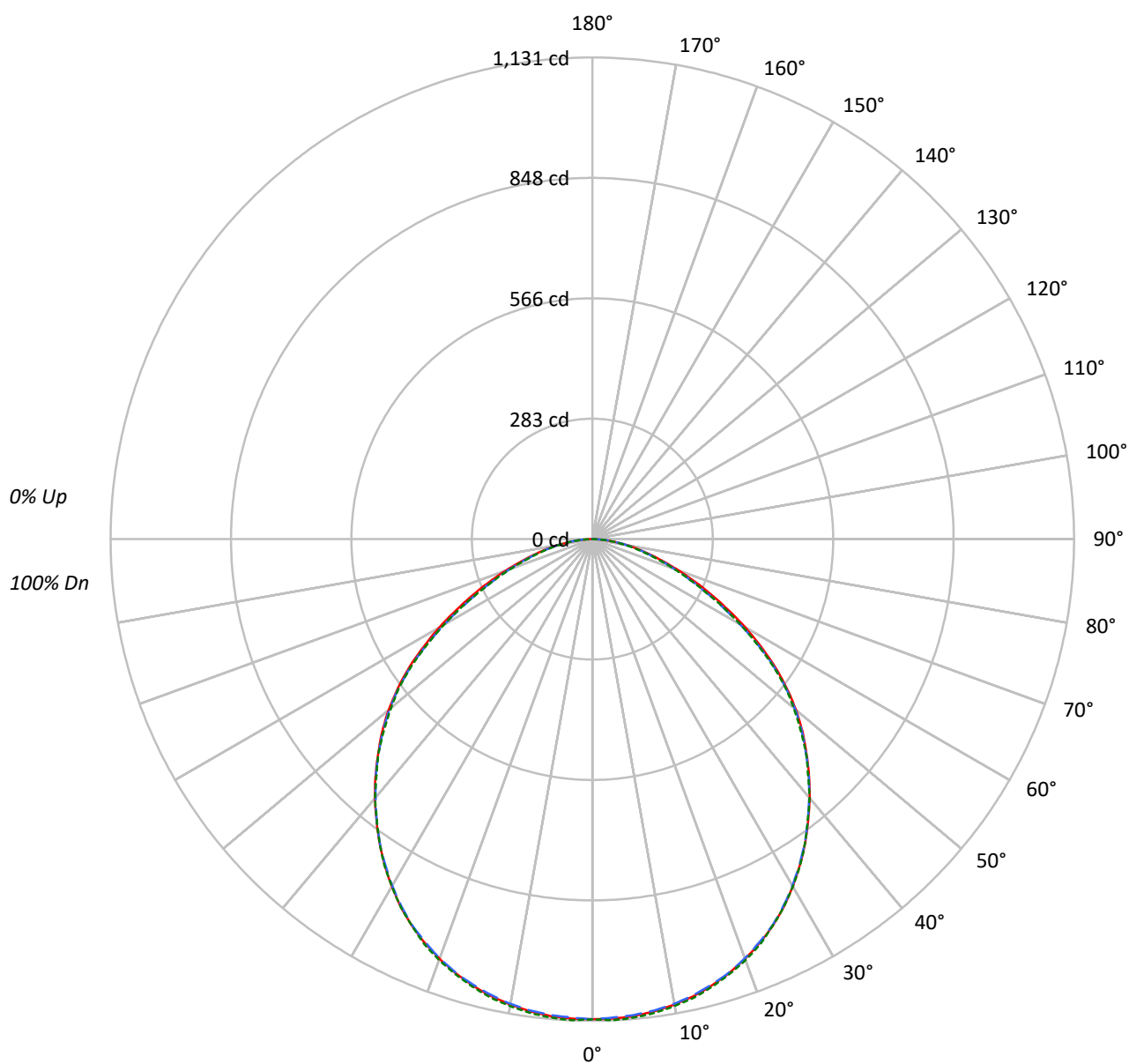
Lumens per Lamp: N/A
Luminaire Lumens: 2912.9 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1517	1517	1517
5°	1518	1515	1523
10°	1516	1514	1521
15°	1511	1508	1515
20°	1501	1500	1506
25°	1488	1485	1487
30°	1463	1460	1463
35°	1431	1429	1430
40°	1394	1390	1394
45°	1353	1349	1350
50°	1307	1301	1292
55°	1231	1216	1213
60°	1117	1079	1081
65°	981	932	930
70°	848	810	800
75°	734	706	691
80°	650	641	612
85°	537	556	523

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1357 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	3.7
10°-20°	306.3	10.5
20°-30°	461.1	15.8
30°-40°	544.3	18.7
40°-50°	547.4	18.8
50°-60°	462.1	15.9
60°-70°	296.8	10.2
70°-80°	147.6	5.1
80°-90°	40.4	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°	874.3	30.0
0°-40°	1418.6	48.7
0°-60°	2428.1	83.4
0°-90°	2912.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2912.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1127	1127	1127	1127	1127	
5°	1124	1124	1122	1127	1128	107
15°	1085	1085	1083	1088	1088	306
25°	1002	1002	1001	1002	1002	461
35°	871	872	870	871	871	544
45°	711	713	709	710	710	549
55°	525	524	518	516	517	467
65°	308	304	293	290	292	307
75°	141	140	136	135	133	153
85°	35	36	36	34	34	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1127.4	1127.4	1127.4	1127.4	1127.4
2.5°	1126.9	1127.4	1124.4	1129.8	1130.7
5°	1124.1	1124.4	1121.6	1126.9	1127.7
7.5°	1118.3	1118.8	1116.2	1121.1	1122.0
10°	1109.7	1111.0	1108.1	1112.7	1113.4
12.5°	1099.1	1099.6	1096.6	1102.0	1102.9
15°	1084.9	1085.2	1082.8	1087.7	1087.7
17.5°	1068.4	1068.8	1067.2	1071.3	1070.9
20°	1048.4	1049.6	1047.5	1050.4	1052.0
22.5°	1026.7	1027.2	1024.6	1028.4	1030.0
25°	1002.2	1002.5	1000.6	1002.5	1001.7
27.5°	973.5	974.2	971.4	973.5	973.9
30°	941.5	943.6	939.6	941.2	941.5
32.5°	907.2	908.4	905.5	906.0	908.1
35°	871.2	871.6	870.0	870.7	870.7
37.5°	832.4	834.0	831.5	832.7	831.0
40°	793.9	792.2	791.3	792.2	793.4
42.5°	753.3	753.7	752.5	751.6	749.7
45°	710.8	713.3	708.7	709.6	709.6
47.5°	669.1	669.4	667.0	664.5	662.9
50°	624.5	624.5	621.5	619.6	617.1
52.5°	575.7	575.0	571.7	569.6	570.8
55°	524.6	524.1	518.5	516.4	516.9
57.5°	468.5	469.4	460.8	458.7	458.7
60°	415.0	410.8	401.0	398.2	401.8
62.5°	358.8	353.9	343.3	343.3	346.2
65°	308.1	303.6	292.6	289.7	292.2
67.5°	260.7	256.5	246.4	244.7	245.5
70°	215.6	212.0	205.8	202.1	203.4
72.5°	176.8	173.5	169.4	166.5	164.9
75°	141.1	140.4	135.9	134.6	132.9
77.5°	111.7	111.4	107.7	106.0	104.4
80°	83.9	83.4	82.7	80.1	79.0
82.5°	59.8	59.8	59.3	57.2	56.1
85°	34.8	36.0	36.0	33.9	33.9
87.5°	14.0	14.7	14.0	14.0	13.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)