

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: P1050620

Luminaire Tested: 24PTR-30-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050620
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-L830-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

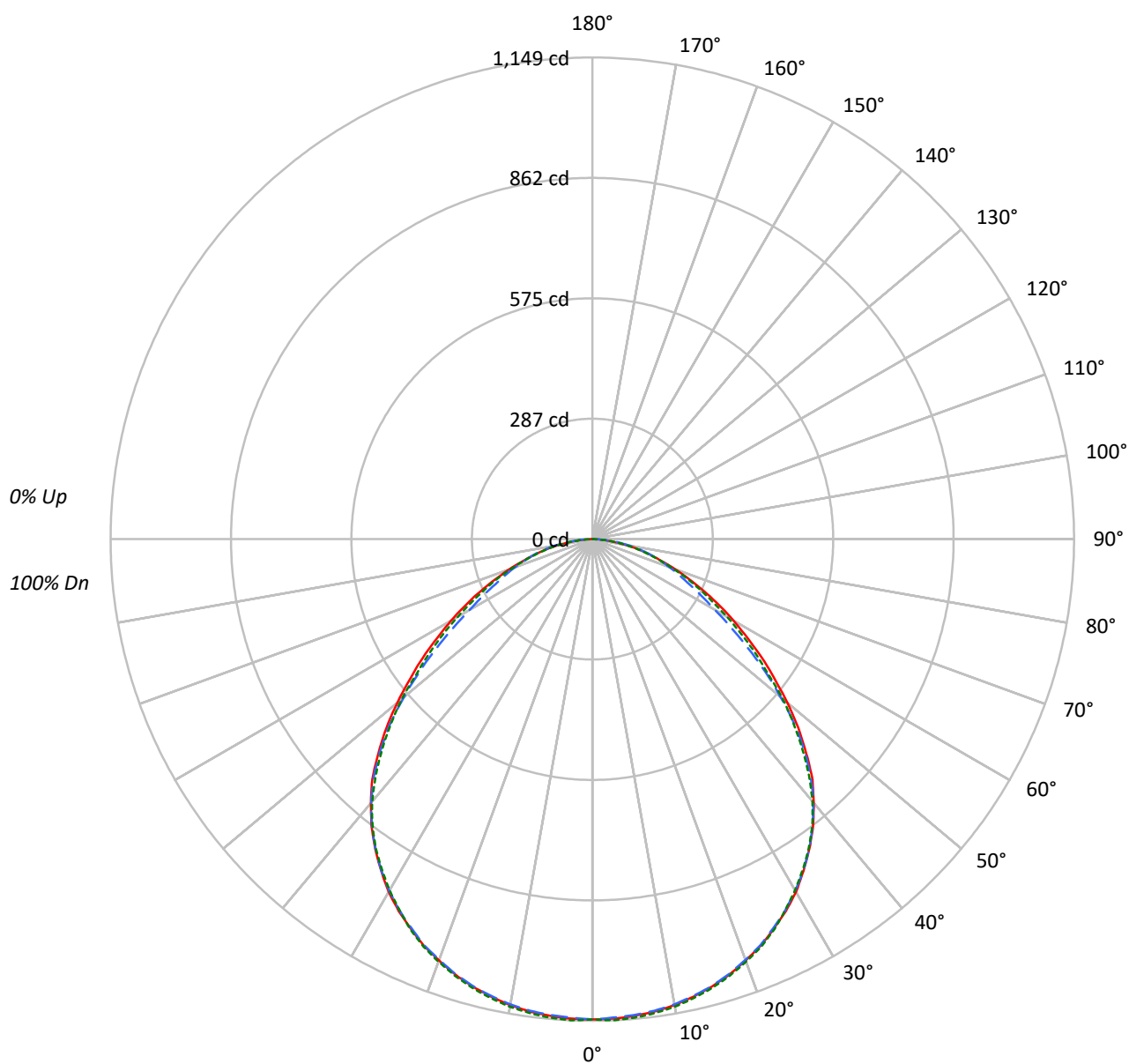
Lumens per Lamp: N/A
Luminaire Lumens: 2888.7 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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°	1542	1542	1542
5°	1542	1539	1548
10°	1542	1539	1548
15°	1538	1537	1544
20°	1531	1529	1536
25°	1521	1519	1525
30°	1510	1505	1502
35°	1482	1481	1478
40°	1443	1441	1434
45°	1372	1362	1348
50°	1270	1228	1241
55°	1159	1065	1113
60°	1045	909	997
65°	934	813	897
70°	829	769	806
75°	733	745	718
80°	632	712	629
85°	474	563	474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1376 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	3.8
10°-20°	311.9	10.8
20°-30°	472.3	16.3
30°-40°	563.1	19.5
40°-50°	550.2	19.0
50°-60°	420.7	14.6
60°-70°	270.1	9.4
70°-80°	150.3	5.2
80°-90°	41.5	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°	892.9	30.9
0°-40°	1455.9	50.4
0°-60°	2426.8	84.0
0°-90°	2888.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2888.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1146	1146	1146	1146	1146	
5°	1142	1142	1140	1145	1146	109
15°	1104	1105	1103	1107	1108	312
25°	1025	1026	1023	1026	1027	473
35°	902	903	902	901	900	564
45°	721	723	716	714	709	555
55°	494	477	454	460	474	442
65°	294	271	255	264	282	293
75°	141	142	143	142	138	151
85°	31	36	36	35	31	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1145.8	1145.8	1145.8	1145.8	1145.8
2.5°	1145.0	1145.5	1142.5	1147.4	1149.1
5°	1141.8	1142.5	1139.7	1145.0	1146.2
7.5°	1136.8	1137.6	1134.8	1140.1	1140.6
10°	1128.7	1129.1	1126.6	1131.9	1132.7
12.5°	1117.6	1118.8	1116.0	1120.9	1121.2
15°	1104.4	1105.3	1103.2	1106.9	1108.1
17.5°	1088.9	1089.3	1087.3	1091.3	1091.7
20°	1069.5	1069.5	1067.9	1072.5	1072.5
22.5°	1049.9	1048.7	1048.3	1049.9	1052.4
25°	1024.6	1025.8	1022.9	1026.2	1027.0
27.5°	1000.0	1000.0	997.5	999.1	997.0
30°	971.7	970.1	968.4	968.7	966.8
32.5°	937.6	937.6	936.9	936.9	934.3
35°	902.5	903.2	901.6	901.1	899.9
37.5°	864.7	866.0	863.0	862.3	861.4
40°	821.6	821.6	820.4	818.8	816.7
42.5°	777.0	777.0	771.7	767.6	764.7
45°	721.3	722.9	715.9	714.3	708.6
47.5°	665.9	664.7	655.3	654.1	650.8
50°	606.9	599.9	586.5	590.1	593.1
52.5°	547.9	539.3	519.7	523.7	528.6
55°	494.2	477.1	454.1	459.8	474.5
57.5°	438.1	415.1	392.2	402.9	421.2
60°	388.5	362.7	337.7	349.2	370.5
62.5°	341.0	313.6	293.5	304.5	322.5
65°	293.5	270.8	255.4	263.8	281.6
67.5°	250.0	234.8	224.2	228.3	242.6
70°	210.7	201.2	195.5	196.7	204.9
72.5°	173.3	170.9	168.9	168.9	169.6
75°	141.0	142.2	143.4	141.5	138.2
77.5°	111.1	115.1	118.1	113.9	109.9
80°	81.6	88.1	91.9	87.3	81.2
82.5°	55.7	63.1	64.3	61.5	54.5
85°	30.7	36.0	36.5	35.3	30.7
87.5°	11.5	13.5	14.7	13.5	11.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)