

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: P1050554

Luminaire Tested: 24PTR-30-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PB1-L835-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

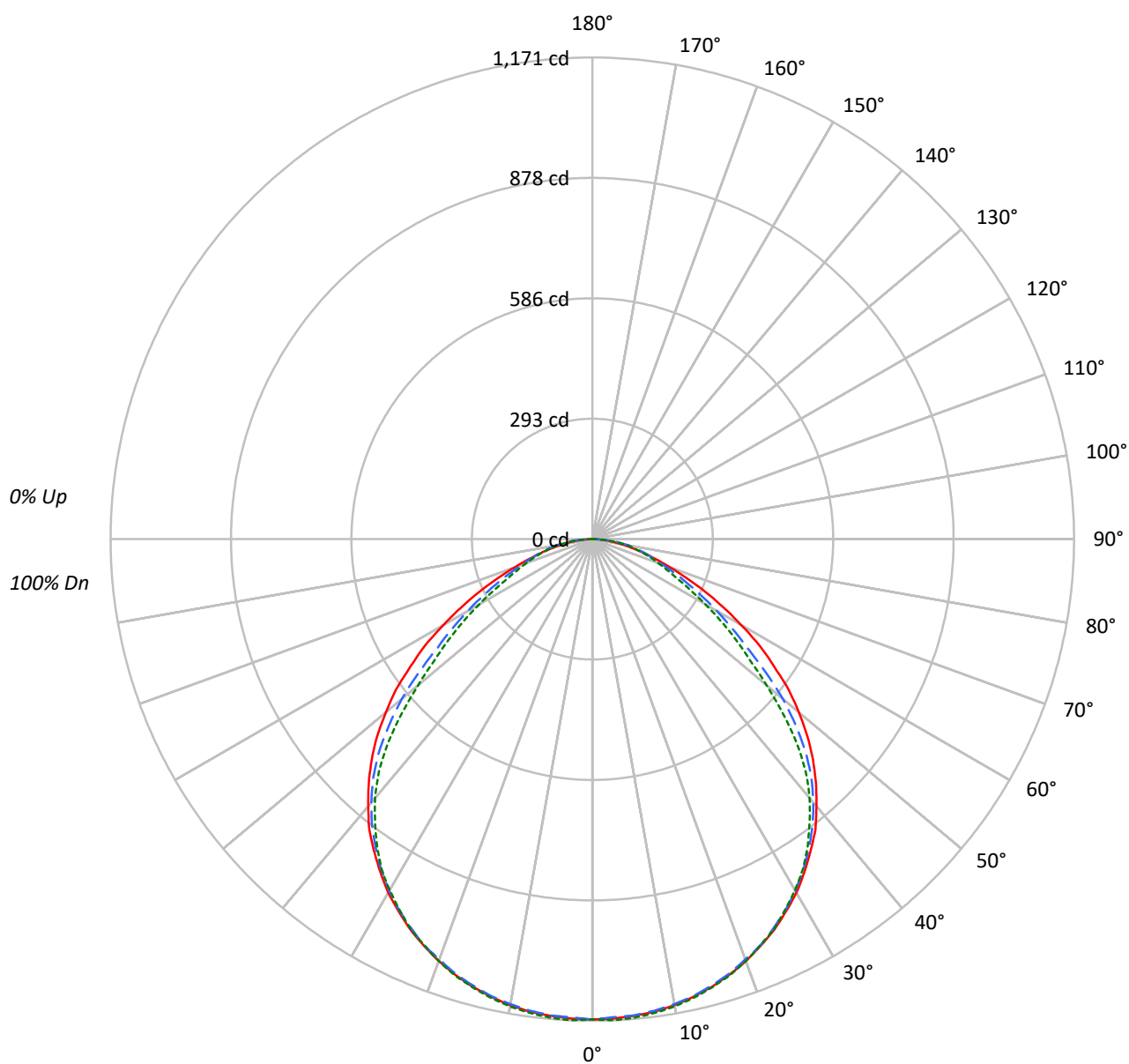
Lumens per Lamp: N/A
Luminaire Lumens: 2911.9 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1571	1571	1571
5°	1571	1570	1577
10°	1572	1568	1576
15°	1569	1565	1571
20°	1563	1557	1563
25°	1555	1548	1552
30°	1542	1533	1531
35°	1519	1508	1498
40°	1489	1468	1443
45°	1443	1396	1339
50°	1371	1266	1158
55°	1264	1075	997
60°	1125	939	854
65°	965	814	727
70°	797	718	667
75°	672	687	650
80°	568	701	669
85°	445	710	622

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1443 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	3.8
10°-20°	317.7	10.9
20°-30°	481.3	16.5
30°-40°	573.5	19.7
40°-50°	560.8	19.3
50°-60°	424.2	14.6
60°-70°	260.6	8.9
70°-80°	138.8	4.8
80°-90°	44.3	1.5
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°	909.7	31.2
0°-40°	1483.2	50.9
0°-60°	2468.2	84.8
0°-90°	2911.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2911.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1163	1165	1162	1166	1168	111
15°	1126	1128	1123	1128	1128	318
25°	1047	1046	1043	1044	1046	482
35°	925	924	918	914	912	579
45°	758	754	734	710	704	583
55°	539	511	458	432	425	482
65°	303	279	256	236	228	302
75°	129	131	132	128	125	139
85°	29	37	46	43	40	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1167.8	1167.8	1167.8	1167.8	<i>1167.8</i>
2.5°	<i>1166.4</i>	<i>1167.8</i>	<i>1163.4</i>	<i>1169.3</i>	<i>1170.7</i>
5°	1163.4	1164.9	1162.1	1166.4	<i>1167.8</i>
7.5°	1159.2	1159.2	1156.3	1160.6	<i>1162.1</i>
10°	1150.6	1150.6	1147.7	1152.0	<i>1153.5</i>
12.5°	1139.1	1139.1	1137.6	1140.5	<i>1142.0</i>
15°	1126.2	1127.5	1123.3	1127.5	<i>1127.5</i>
17.5°	1110.3	1109.0	1107.5	1110.3	<i>1111.8</i>
20°	1091.6	1091.6	1087.4	1090.3	<i>1091.6</i>
22.5°	1070.1	1070.1	1068.7	1070.1	<i>1068.7</i>
25°	1047.1	1045.6	1042.8	1044.3	<i>1045.6</i>
27.5°	1019.9	1019.9	1017.0	1017.0	<i>1015.5</i>
30°	992.6	991.1	986.8	984.0	<i>985.3</i>
32.5°	959.5	958.0	953.8	950.9	<i>952.3</i>
35°	925.0	923.6	917.9	913.5	<i>912.2</i>
37.5°	890.6	886.2	879.0	873.3	<i>867.5</i>
40°	847.5	843.1	836.0	823.1	<i>821.6</i>
42.5°	804.4	800.1	788.5	772.8	<i>768.5</i>
45°	758.4	754.1	733.9	709.5	<i>703.8</i>
47.5°	709.5	702.4	670.8	640.6	<i>629.1</i>
50°	655.1	642.1	604.7	565.9	<i>553.0</i>
52.5°	601.8	578.9	530.1	495.5	<i>482.7</i>
55°	538.7	511.4	458.3	432.3	<i>425.1</i>
57.5°	482.7	445.3	402.2	376.4	<i>370.7</i>
60°	418.0	383.5	349.1	326.0	<i>317.4</i>
62.5°	359.1	328.9	300.2	280.0	<i>270.1</i>
65°	303.1	278.7	255.8	235.5	<i>228.5</i>
67.5°	248.5	235.5	216.8	201.2	<i>196.8</i>
70°	202.5	195.3	182.5	175.2	<i>169.5</i>
72.5°	160.9	163.8	155.2	152.3	<i>147.9</i>
75°	129.2	130.7	132.1	127.9	<i>125.0</i>
77.5°	97.7	104.8	110.5	107.7	<i>104.8</i>
80°	73.3	80.4	90.5	86.3	<i>86.3</i>
82.5°	50.2	59.0	67.6	64.7	<i>63.2</i>
85°	28.8	37.4	46.0	43.1	<i>40.3</i>
87.5°	11.5	18.7	20.1	20.1	<i>18.7</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)