

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: P1050785

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PLG-L835-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

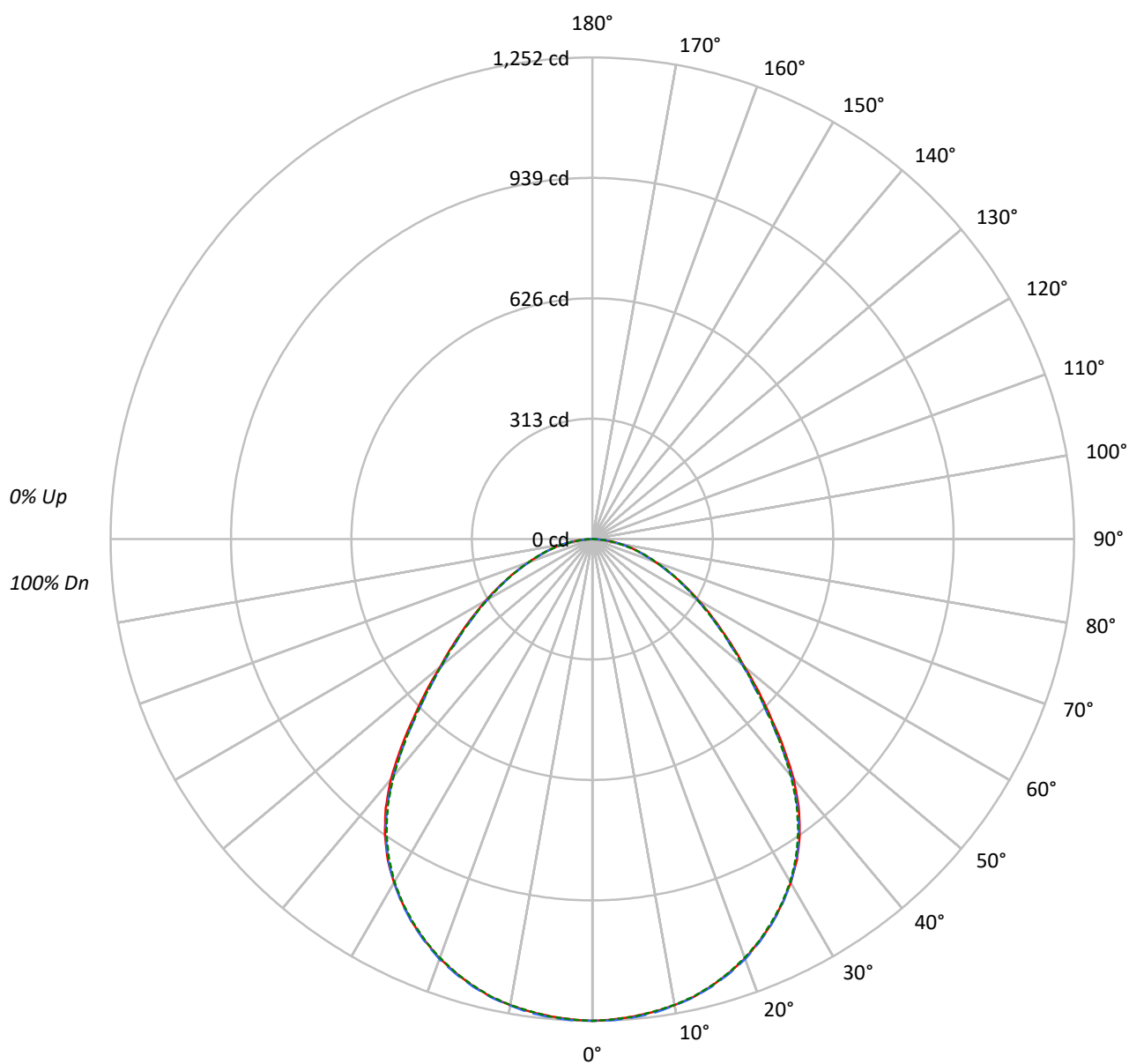
Lumens per Lamp: N/A
Luminaire Lumens: 2821.7 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1685	1685	1685
5°	1682	1685	1683
10°	1680	1682	1679
15°	1674	1676	1673
20°	1661	1663	1658
25°	1637	1639	1633
30°	1602	1602	1598
35°	1543	1539	1531
40°	1430	1414	1410
45°	1250	1229	1235
50°	1079	1066	1072
55°	959	944	947
60°	859	847	847
65°	770	764	767
70°	692	685	692
75°	642	633	642
80°	599	592	572
85°	508	508	452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1250 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	4.2
10°-20°	339.2	12.0
20°-30°	507.6	18.0
30°-40°	581.6	20.6
40°-50°	503.0	17.8
50°-60°	364.0	12.9
60°-70°	239.8	8.5
70°-80°	130.5	4.6
80°-90°	37.4	1.3
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°	965.4	34.2
0°-40°	1547.0	54.8
0°-60°	2414.0	85.6
0°-90°	2821.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2821.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1252	1252	1252	1252	1252	
5°	1245	1248	1248	1248	1246	118
15°	1202	1202	1203	1205	1201	339
25°	1103	1103	1104	1105	1100	507
35°	939	938	937	936	932	584
45°	657	655	646	645	649	509
55°	409	407	403	400	404	368
65°	242	244	240	238	241	241
75°	124	124	122	122	124	132
85°	33	33	33	34	29	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1252.2	1252.2	1252.2	1252.2	1252.2
2.5°	1249.6	1252.2	1251.4	1252.2	1249.6
5°	1245.1	1247.8	1247.8	1247.8	1246.0
7.5°	1238.9	1240.7	1241.6	1242.5	1238.0
10°	1230.0	1231.8	1230.9	1232.7	1229.1
12.5°	1218.5	1218.5	1219.4	1221.1	1217.6
15°	1201.6	1202.5	1203.4	1205.1	1200.7
17.5°	1182.0	1182.9	1183.8	1184.7	1181.1
20°	1159.8	1159.8	1161.6	1162.5	1158.0
22.5°	1132.3	1132.3	1134.0	1136.7	1131.4
25°	1102.9	1102.9	1103.8	1104.7	1100.3
27.5°	1068.3	1068.3	1069.2	1071.8	1066.5
30°	1030.9	1030.1	1030.9	1031.8	1028.3
32.5°	989.2	988.3	987.4	988.3	983.8
35°	939.4	938.5	936.7	935.8	932.3
37.5°	881.6	879.9	876.3	876.3	872.7
40°	814.1	809.6	805.2	803.4	802.5
42.5°	735.9	732.3	726.1	725.2	725.2
45°	656.8	655.0	646.1	645.2	648.8
47.5°	585.7	581.2	573.2	571.5	576.8
50°	515.5	516.4	509.3	506.6	511.9
52.5°	460.4	458.6	452.4	450.6	455.0
55°	408.8	407.0	402.6	399.9	403.5
57.5°	361.7	360.8	356.4	355.5	357.3
60°	319.1	318.2	314.6	313.7	314.6
62.5°	279.1	279.1	275.5	273.7	276.4
65°	241.7	243.5	240.0	238.2	240.9
67.5°	208.0	209.7	206.2	204.4	208.0
70°	176.0	177.7	174.2	172.4	176.0
72.5°	148.4	149.3	146.6	145.8	150.2
75°	123.5	123.5	121.8	121.8	123.5
77.5°	100.4	99.5	98.7	98.7	96.9
80°	77.3	76.4	76.4	76.4	73.8
82.5°	55.1	53.3	54.2	55.1	50.7
85°	32.9	32.9	32.9	33.8	29.3
87.5°	13.3	13.3	12.4	13.3	11.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)