

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: P1050708

Luminaire Tested: 24PTR-30-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PL1-L835-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

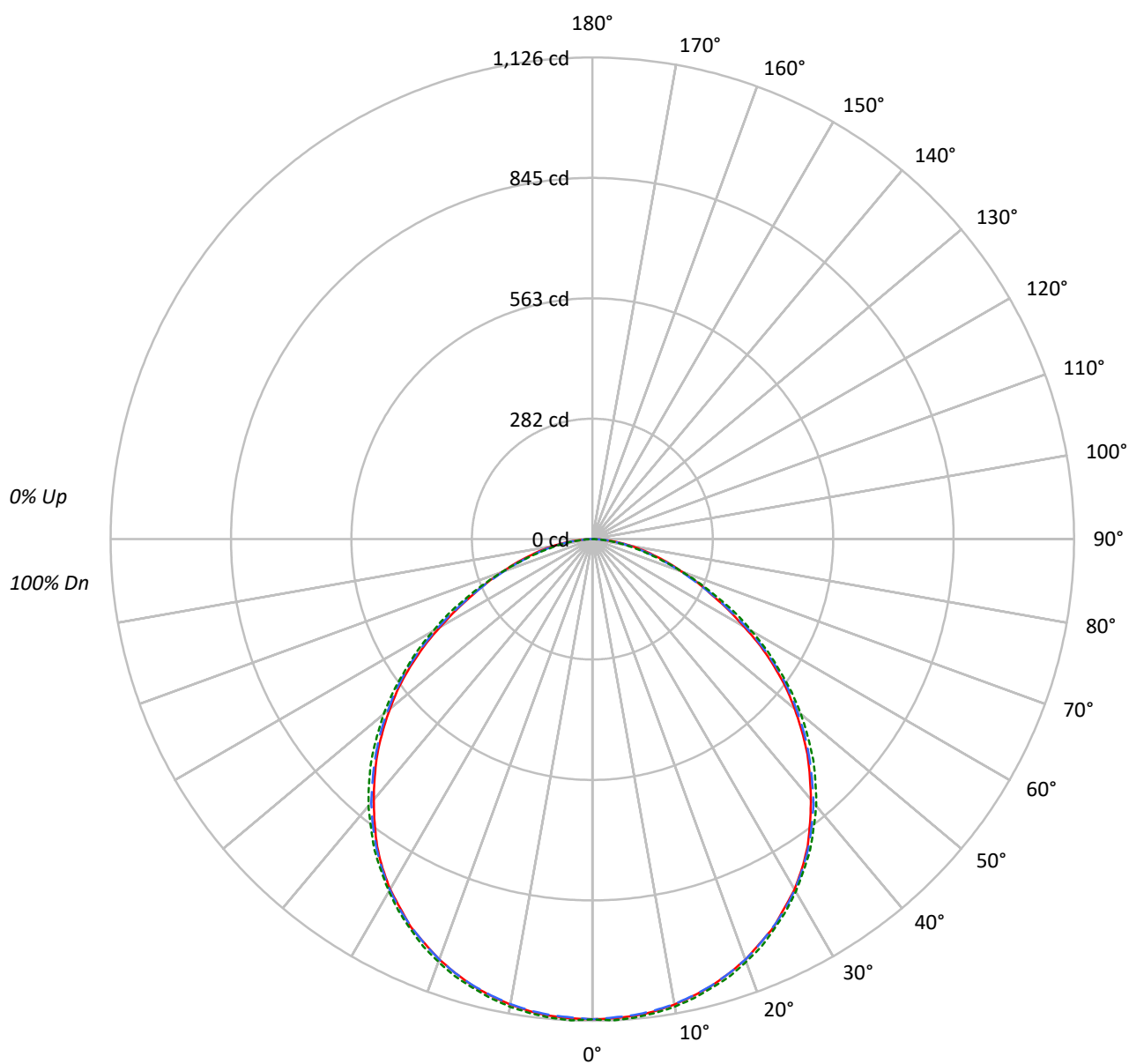
Lumens per Lamp: N/A
Luminaire Lumens: 2958.5 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1510	1510	1510
5°	1511	1509	1517
10°	1509	1508	1516
15°	1505	1504	1512
20°	1497	1497	1506
25°	1487	1485	1493
30°	1468	1471	1478
35°	1441	1446	1458
40°	1396	1412	1430
45°	1352	1363	1390
50°	1293	1307	1333
55°	1217	1237	1251
60°	1104	1128	1156
65°	981	991	1032
70°	877	859	880
75°	791	745	730
80°	719	667	593
85°	608	553	475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	3.6
10°-20°	305.3	10.3
20°-30°	461.9	15.6
30°-40°	550.5	18.6
40°-50°	553.6	18.7
50°-60°	469.8	15.9
60°-70°	312.8	10.6
70°-80°	156.2	5.3
80°-90°	41.8	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°	873.7	29.5
0°-40°	1424.2	48.1
0°-60°	2447.7	82.7
0°-90°	2958.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2958.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1122	1122	1122	1122	1122	
5°	1119	1119	1117	1122	1123	106
15°	1080	1082	1080	1084	1085	305
25°	1002	1002	1000	1005	1006	461
35°	877	878	880	886	887	547
45°	711	712	716	726	730	547
55°	519	523	527	532	534	463
65°	308	311	311	316	324	309
75°	152	150	143	140	140	163
85°	39	39	36	34	31	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1122.4	1122.4	1122.4	1122.4	1122.4
2.5°	1121.5	1122.4	1119.3	1124.8	1126.1
5°	1119.0	1119.3	1116.9	1121.9	1123.1
7.5°	1113.6	1114.1	1111.5	1116.9	1117.7
10°	1104.8	1105.7	1103.6	1108.6	1109.8
12.5°	1093.7	1094.9	1092.7	1098.2	1099.1
15°	1080.4	1081.6	1079.9	1084.4	1085.3
17.5°	1064.0	1064.9	1064.0	1068.3	1070.7
20°	1045.8	1045.8	1045.8	1049.5	1051.6
22.5°	1022.9	1025.1	1024.1	1029.1	1031.3
25°	1001.8	1001.8	1000.4	1005.1	1005.9
27.5°	972.2	975.5	975.2	979.3	980.2
30°	945.1	946.0	946.5	949.4	951.0
32.5°	912.3	913.1	914.5	918.5	919.0
35°	877.0	877.9	880.3	886.5	887.4
37.5°	835.9	840.4	842.5	849.2	849.9
40°	794.6	797.5	803.8	810.8	814.1
42.5°	752.6	755.9	759.7	769.2	772.3
45°	710.6	711.8	716.5	726.0	730.3
47.5°	664.1	667.9	671.9	680.2	682.8
50°	617.5	621.6	624.2	631.6	636.6
52.5°	570.5	574.3	577.2	581.7	586.7
55°	519.0	522.7	527.3	532.3	533.5
57.5°	466.6	470.7	473.7	479.0	484.4
60°	410.4	415.1	419.1	424.1	429.6
62.5°	358.1	360.1	364.3	372.6	380.5
65°	308.1	310.7	311.4	316.1	324.0
67.5°	266.5	266.5	262.8	264.4	273.2
70°	222.9	221.2	218.3	216.7	223.8
72.5°	187.5	185.4	179.2	176.3	180.1
75°	152.2	150.0	143.4	140.1	140.5
77.5°	122.2	118.9	113.5	107.7	106.5
80°	92.8	91.4	86.1	80.7	76.5
82.5°	65.7	62.9	59.8	56.5	53.2
85°	39.4	38.7	35.8	33.7	30.8
87.5°	16.2	16.2	15.4	14.5	13.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)