

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: P1051038

Luminaire Tested: 24PTR-30-PW1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PW1-L850-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

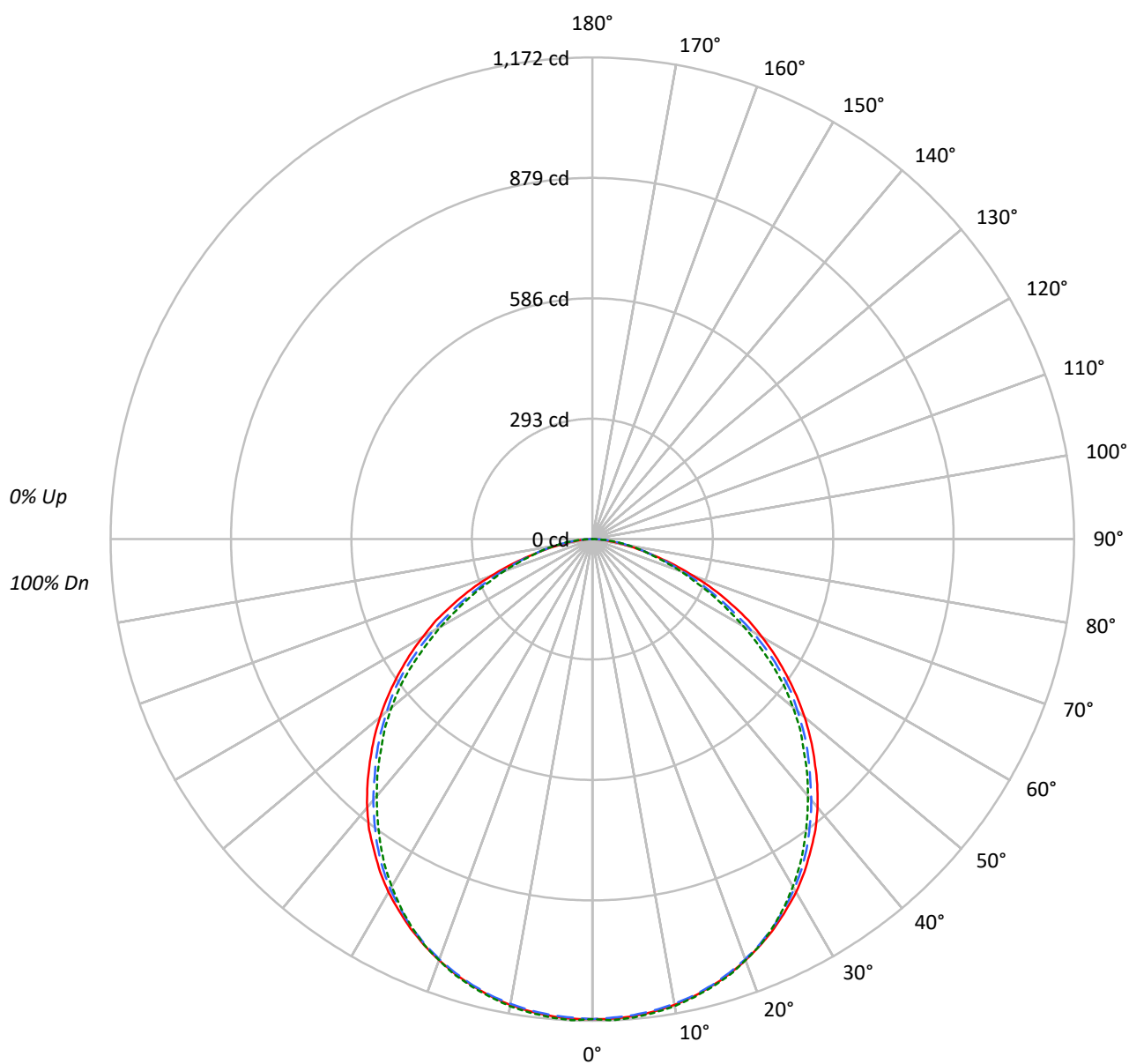
Lumens per Lamp: N/A
Luminaire Lumens: 3100.1 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1572	1572	1572
5°	1573	1570	1578
10°	1572	1569	1577
15°	1568	1565	1571
20°	1561	1558	1561
25°	1553	1546	1545
30°	1541	1527	1517
35°	1520	1497	1478
40°	1497	1456	1433
45°	1455	1412	1384
50°	1411	1365	1334
55°	1353	1307	1255
60°	1283	1207	1144
65°	1186	1078	1024
70°	1028	938	903
75°	821	803	781
80°	624	697	697
85°	462	594	594

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1455 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	3.6
10°-20°	317.8	10.2
20°-30°	480.2	15.5
30°-40°	570.2	18.4
40°-50°	574.5	18.5
50°-60°	496.6	16.0
60°-70°	339.4	10.9
70°-80°	167.4	5.4
80°-90°	43.3	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°	908.8	29.3
0°-40°	1479.0	47.7
0°-60°	2550.1	82.3
0°-90°	3100.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3100.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1165	1165	1162	1167	1168	111
15°	1125	1127	1124	1128	1128	318
25°	1046	1045	1041	1042	1041	482
35°	926	922	912	903	900	579
45°	765	757	742	734	727	590
55°	577	575	557	541	535	516
65°	373	359	338	324	322	368
75°	158	157	154	154	150	172
85°	30	35	38	39	38	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1168.2	1168.2	1168.2	1168.2	1168.2
2.5°	1167.9	1168.2	1165.2	1170.4	1171.6
5°	1164.7	1165.2	1162.2	1166.9	1168.2
7.5°	1159.2	1160.0	1156.5	1161.3	1162.2
10°	1150.9	1151.3	1148.4	1153.1	1154.0
12.5°	1139.7	1140.0	1137.5	1141.8	1141.8
15°	1125.4	1126.7	1123.7	1127.6	1127.9
17.5°	1109.4	1109.8	1106.8	1111.1	1112.0
20°	1090.3	1090.3	1087.8	1091.3	1090.3
22.5°	1069.1	1069.1	1066.1	1067.8	1068.6
25°	1045.8	1044.9	1041.4	1042.3	1040.6
27.5°	1018.9	1018.9	1012.8	1012.8	1009.8
30°	991.7	989.5	983.0	979.1	976.1
32.5°	960.4	957.4	949.2	942.3	940.1
35°	925.5	922.3	911.5	903.3	899.8
37.5°	891.7	884.7	870.4	862.3	858.3
40°	852.2	843.5	828.9	817.6	815.9
42.5°	809.9	803.0	783.9	775.6	773.5
45°	764.9	756.6	742.2	733.6	727.1
47.5°	720.7	714.6	698.2	687.8	685.6
50°	674.3	669.1	652.3	641.1	637.2
52.5°	626.3	622.9	608.5	594.2	589.5
55°	576.6	574.9	557.1	540.6	534.9
57.5°	527.7	525.5	503.3	484.3	479.1
60°	476.6	470.1	448.4	430.7	425.0
62.5°	428.1	414.3	390.9	377.0	370.6
65°	372.6	359.2	338.5	323.7	321.7
67.5°	318.2	302.2	286.1	277.0	270.1
70°	261.4	250.6	238.4	230.7	229.5
72.5°	208.6	200.9	194.7	190.0	186.1
75°	157.9	156.7	154.5	154.5	150.2
77.5°	116.1	119.1	120.8	120.3	121.3
80°	80.5	86.5	90.0	90.4	90.0
82.5°	51.1	58.0	63.7	64.5	65.4
85°	29.9	35.1	38.5	39.3	38.5
87.5°	13.4	16.8	17.8	18.6	17.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)