

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: P1051061

Luminaire Tested: 24PTR-35-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051061
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-35-PW1-L935-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

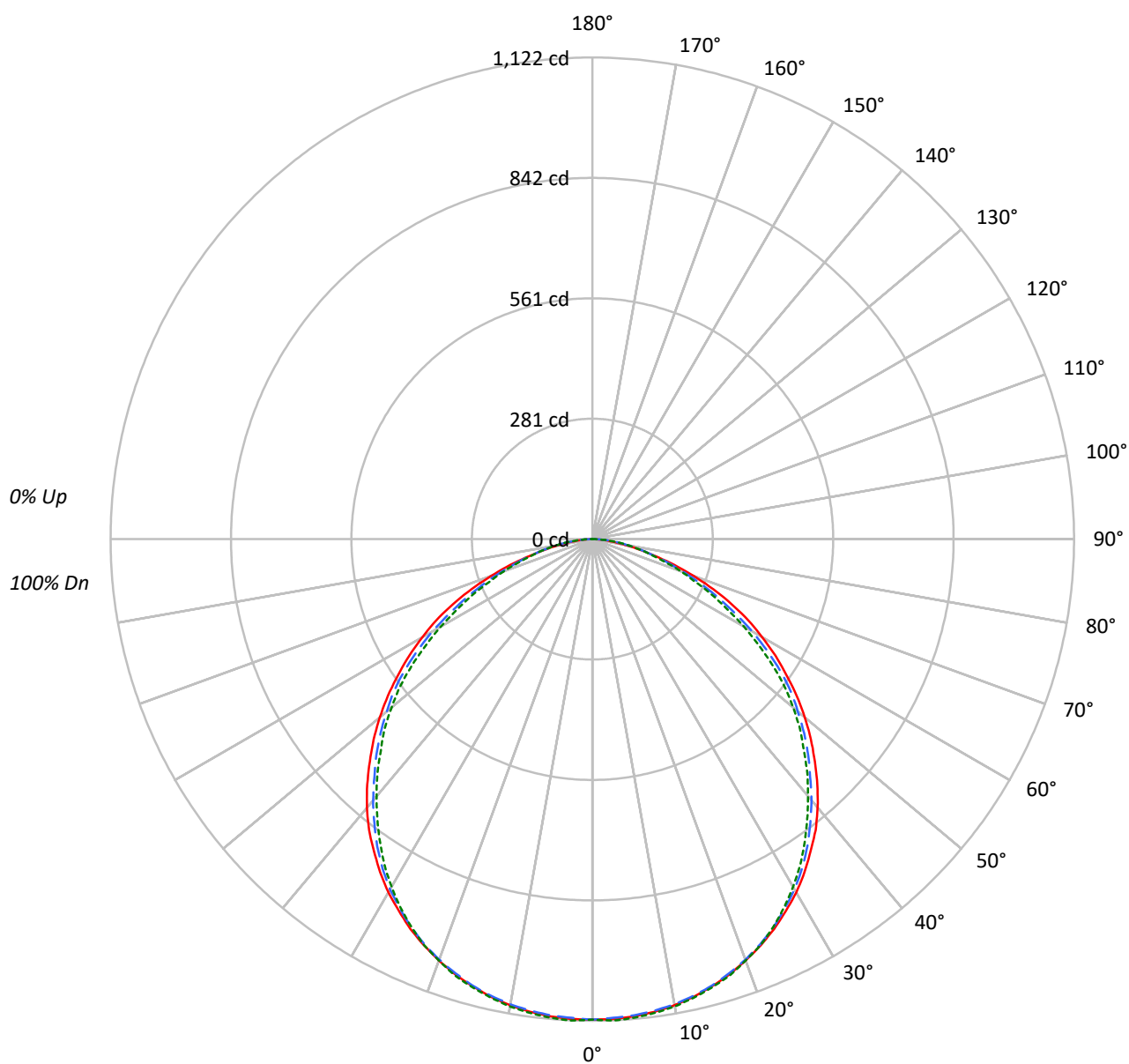
Lumens per Lamp: N/A
Luminaire Lumens: 2970.1 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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°	1506	1506	1506
5°	1507	1504	1512
10°	1506	1503	1511
15°	1502	1500	1505
20°	1496	1492	1496
25°	1488	1481	1480
30°	1476	1463	1453
35°	1456	1434	1416
40°	1434	1395	1373
45°	1394	1353	1326
50°	1352	1308	1278
55°	1296	1252	1202
60°	1229	1156	1096
65°	1137	1032	981
70°	985	899	865
75°	787	769	748
80°	598	668	668
85°	442	570	570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1394 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	3.6
10°-20°	304.4	10.2
20°-30°	460.1	15.5
30°-40°	546.3	18.4
40°-50°	550.4	18.5
50°-60°	475.8	16.0
60°-70°	325.2	10.9
70°-80°	160.3	5.4
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°	870.7	29.3
0°-40°	1417.0	47.7
0°-60°	2443.2	82.3
0°-90°	2970.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2970.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1119	1119	1119	1119	1119	
5°	1116	1116	1114	1118	1119	106
15°	1078	1079	1077	1080	1081	304
25°	1002	1001	998	999	997	462
35°	887	884	873	865	862	555
45°	733	725	711	703	697	566
55°	552	551	534	518	512	494
65°	357	344	324	310	308	352
75°	151	150	148	148	144	165
85°	29	34	37	38	37	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1119.2	1119.2	1119.2	1119.2	1119.2
2.5°	1118.9	1119.2	1116.3	1121.3	1122.5
5°	1115.9	1116.3	1113.5	1118.0	1119.2
7.5°	1110.6	1111.4	1108.0	1112.6	1113.5
10°	1102.6	1103.1	1100.2	1104.7	1105.6
12.5°	1091.9	1092.2	1089.8	1093.9	1093.9
15°	1078.2	1079.4	1076.6	1080.3	1080.6
17.5°	1062.8	1063.3	1060.4	1064.5	1065.4
20°	1044.6	1044.6	1042.2	1045.5	1044.6
22.5°	1024.3	1024.3	1021.4	1023.1	1023.8
25°	1002.0	1001.1	997.7	998.6	997.0
27.5°	976.2	976.2	970.3	970.3	967.5
30°	950.1	948.0	941.8	938.1	935.2
32.5°	920.1	917.3	909.4	902.8	900.7
35°	886.7	883.7	873.3	865.4	862.1
37.5°	854.3	847.6	833.9	826.1	822.3
40°	816.5	808.2	794.2	783.3	781.6
42.5°	775.9	769.3	751.1	743.1	741.1
45°	732.8	724.8	711.1	702.8	696.7
47.5°	690.5	684.6	668.9	659.0	656.9
50°	646.0	641.0	624.9	614.2	610.5
52.5°	600.1	596.7	583.0	569.3	564.8
55°	552.4	550.8	533.8	517.9	512.5
57.5°	505.6	503.5	482.2	464.0	459.0
60°	456.6	450.4	429.6	412.6	407.2
62.5°	410.2	396.9	374.5	361.2	355.0
65°	357.0	344.2	324.3	310.1	308.2
67.5°	304.9	289.5	274.1	265.4	258.7
70°	250.5	240.1	228.5	221.1	219.9
72.5°	199.8	192.4	186.6	182.0	178.3
75°	151.3	150.1	148.0	148.0	143.9
77.5°	111.2	114.1	115.7	115.3	116.2
80°	77.2	82.9	86.2	86.6	86.2
82.5°	49.0	55.6	61.0	61.8	62.7
85°	28.6	33.6	36.9	37.7	36.9
87.5°	12.8	16.1	17.0	17.8	17.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)