

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: P1050973

Luminaire Tested: 24PTR-35-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PR1-L930-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

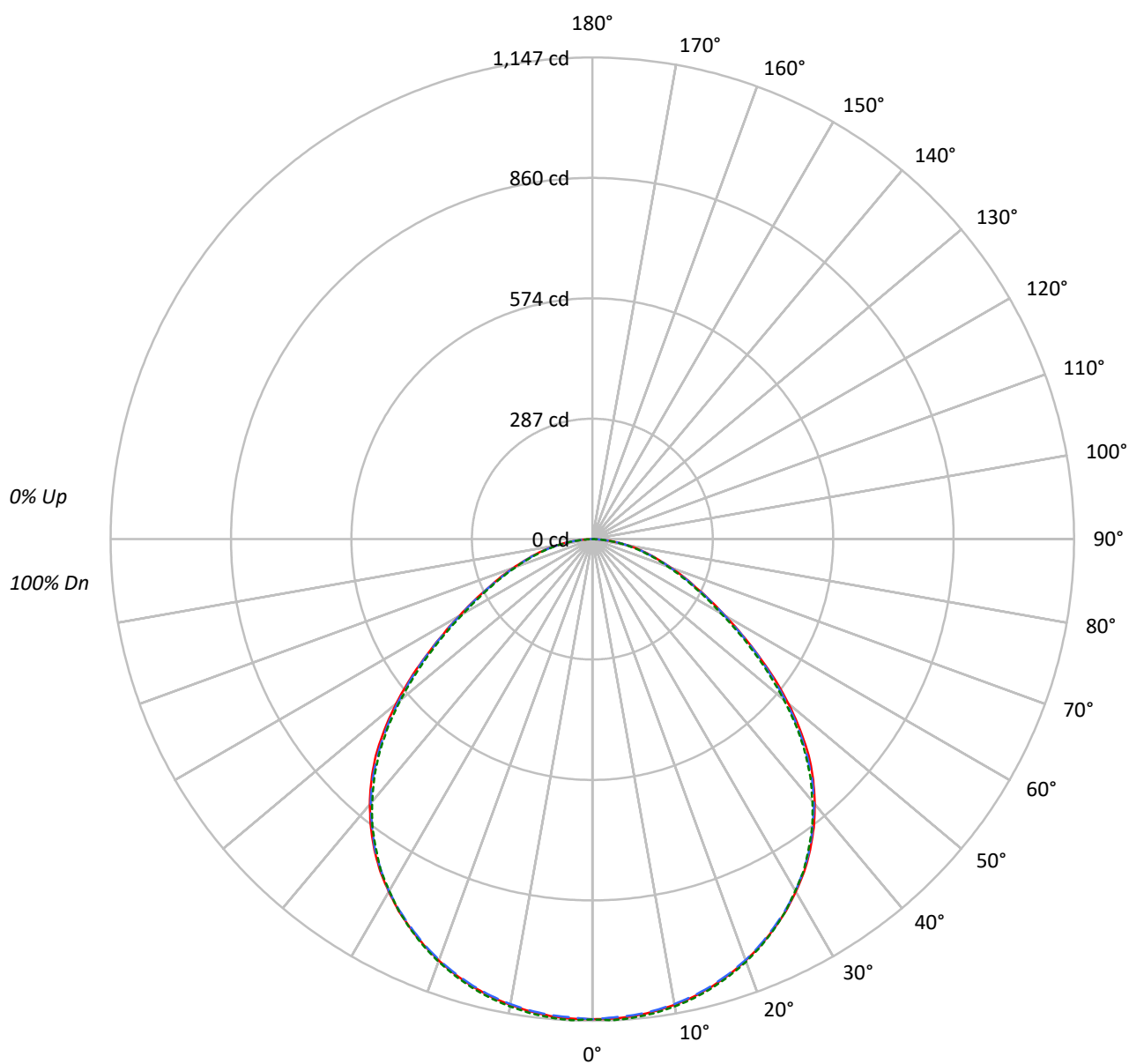
Lumens per Lamp: N/A
Luminaire Lumens: 2891.6 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050973

CATALOG NUMBER: 24PTR-35-PR1-L930-UNV-STD-W

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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1538	1538	1538
5°	1540	1536	1545
10°	1539	1536	1544
15°	1536	1533	1541
20°	1529	1527	1533
25°	1519	1515	1521
30°	1506	1504	1502
35°	1485	1482	1475
40°	1447	1442	1432
45°	1387	1372	1362
50°	1276	1262	1246
55°	1129	1125	1103
60°	982	978	952
65°	865	860	843
70°	785	774	758
75°	727	710	697
80°	663	654	632
85°	523	520	499

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1387 cd/sqm

TEST NUMBER: P1050973

CATALOG NUMBER: 24PTR-35-PR1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	3.8
10°-20°	311.3	10.8
20°-30°	471.6	16.3
30°-40°	563.0	19.5
40°-50°	553.7	19.1
50°-60°	427.9	14.8
60°-70°	269.8	9.3
70°-80°	146.0	5.0
80°-90°	39.9	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°	891.4	30.8
0°-40°	1454.3	50.3
0°-60°	2435.9	84.2
0°-90°	2891.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2891.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1143	1143	1143	1143	1143	
5°	1140	1140	1138	1142	1144	108
15°	1102	1103	1101	1104	1106	311
25°	1023	1024	1021	1024	1025	472
35°	904	904	902	901	898	564
45°	729	726	721	715	716	558
55°	482	486	479	472	470	432
65°	272	272	270	266	265	273
75°	140	138	136	137	134	149
85°	34	34	34	34	32	40
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-35-PR1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1143.4	1143.4	1143.4	1143.4	1143.4
2.5°	1142.9	1143.4	1140.1	1145.5	1146.6
5°	1140.1	1140.5	1137.6	1142.5	1143.8
7.5°	1134.3	1135.2	1132.4	1137.3	1138.5
10°	1126.1	1127.0	1124.2	1129.1	1130.3
12.5°	1116.0	1116.3	1113.9	1118.4	1119.5
15°	1102.4	1102.7	1100.8	1104.4	1106.0
17.5°	1086.8	1087.2	1084.4	1088.9	1089.6
20°	1068.0	1068.3	1066.7	1070.4	1070.9
22.5°	1047.0	1047.9	1045.4	1048.7	1049.1
25°	1023.4	1024.1	1020.8	1024.1	1024.6
27.5°	998.3	998.6	995.8	998.3	997.9
30°	969.2	971.7	968.0	967.1	966.8
32.5°	938.9	939.2	935.7	934.8	936.4
35°	904.1	904.4	902.0	900.8	898.3
37.5°	866.0	866.0	861.4	860.6	860.2
40°	824.1	823.7	820.9	818.0	815.1
42.5°	778.6	779.5	773.7	768.7	768.0
45°	729.0	726.2	720.8	715.1	715.6
47.5°	670.5	671.2	663.9	659.3	658.1
50°	609.7	609.7	602.9	598.0	595.4
52.5°	546.3	546.7	540.2	533.6	532.3
55°	481.5	485.5	479.4	471.7	470.1
57.5°	420.9	424.2	418.4	410.2	409.8
60°	364.8	365.1	363.5	355.7	353.6
62.5°	316.9	314.8	313.9	309.9	307.3
65°	271.7	272.2	270.1	265.5	264.7
67.5°	235.3	234.8	231.1	228.3	226.6
70°	199.5	198.3	196.7	194.3	192.7
72.5°	167.7	167.7	166.3	165.6	162.7
75°	139.8	138.2	136.5	137.3	134.0
77.5°	113.2	111.5	110.2	108.5	107.8
80°	85.6	84.0	84.4	81.9	81.6
82.5°	59.4	59.4	58.7	56.6	57.0
85°	33.9	34.4	33.7	33.9	32.3
87.5°	12.4	12.7	13.5	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)