

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: P1050984

Luminaire Tested: 24PTR-35-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050984
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-L935-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

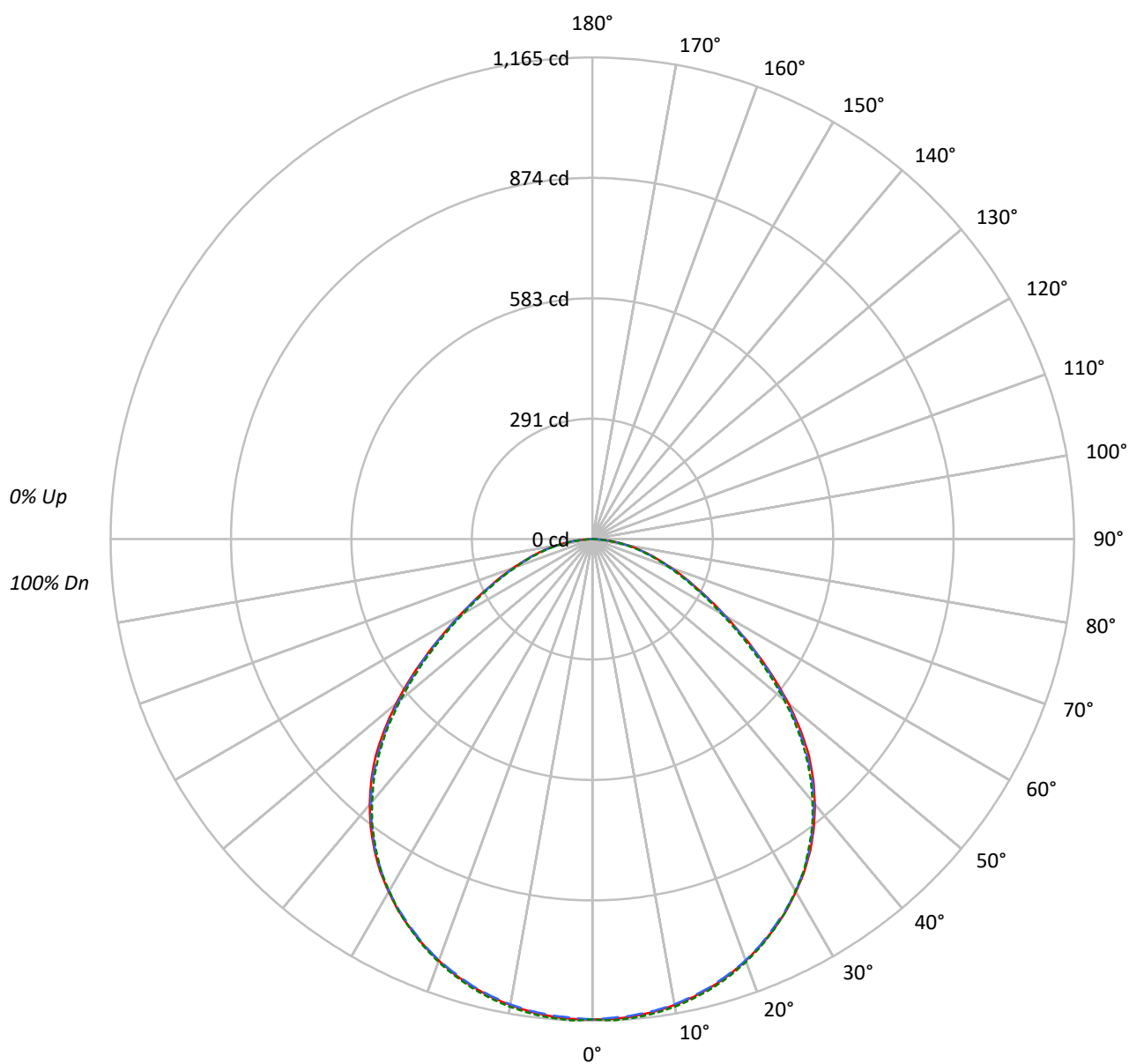
Lumens per Lamp: N/A
Luminaire Lumens: 2938.1 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	1563	1563	1563
5°	1565	1561	1570
10°	1563	1561	1569
15°	1560	1558	1565
20°	1554	1552	1558
25°	1544	1540	1545
30°	1530	1528	1526
35°	1509	1505	1499
40°	1471	1465	1455
45°	1409	1394	1384
50°	1297	1282	1266
55°	1148	1143	1120
60°	998	994	967
65°	879	874	856
70°	797	786	770
75°	739	721	708
80°	674	665	642
85°	533	528	506

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1409 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	3.8
10°-20°	316.3	10.8
20°-30°	479.2	16.3
30°-40°	572.1	19.5
40°-50°	562.6	19.1
50°-60°	434.8	14.8
60°-70°	274.2	9.3
70°-80°	148.3	5.0
80°-90°	40.5	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°	905.7	30.8
0°-40°	1477.8	50.3
0°-60°	2475.1	84.2
0°-90°	2938.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2938.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1162	1162	1162	1162	1162	
5°	1158	1159	1156	1161	1162	110
15°	1120	1120	1118	1122	1124	316
25°	1040	1041	1037	1041	1041	479
35°	919	919	916	915	913	574
45°	741	738	732	727	727	567
55°	489	493	487	479	478	439
65°	276	277	274	270	269	278
75°	142	140	139	140	136	151
85°	34	35	34	34	33	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1161.8	1161.8	1161.8	1161.8	<i>1161.8</i>
2.5°	<i>1161.3</i>	<i>1161.8</i>	<i>1158.5</i>	<i>1163.9</i>	<i>1165.1</i>
5°	1158.5	1158.9	1155.9	1160.9	<i>1162.2</i>
7.5°	1152.6	1153.5	1150.6	1155.6	<i>1156.8</i>
10°	1144.2	1145.1	1142.3	1147.3	<i>1148.5</i>
12.5°	1133.9	1134.2	1131.8	1136.4	<i>1137.6</i>
15°	1120.2	1120.5	1118.5	1122.1	<i>1123.8</i>
17.5°	1104.3	1104.7	1101.9	1106.4	<i>1107.2</i>
20°	1085.2	1085.5	1083.9	1087.6	<i>1088.1</i>
22.5°	1063.9	1064.8	1062.2	1065.6	<i>1066.0</i>
25°	1039.8	1040.6	1037.3	1040.6	<i>1041.0</i>
27.5°	1014.4	1014.7	1011.8	1014.4	<i>1014.0</i>
30°	984.8	987.3	983.6	982.6	<i>982.3</i>
32.5°	954.1	954.4	950.7	949.8	<i>951.5</i>
35°	918.7	919.0	916.5	915.3	<i>912.8</i>
37.5°	879.9	879.9	875.2	874.5	<i>874.0</i>
40°	837.4	837.0	834.1	831.2	<i>828.2</i>
42.5°	791.1	792.0	786.1	781.1	<i>780.4</i>
45°	740.7	737.9	732.4	726.7	<i>727.1</i>
47.5°	681.3	682.0	674.6	669.9	<i>668.7</i>
50°	619.5	619.5	612.6	607.6	<i>605.0</i>
52.5°	555.1	555.5	548.9	542.2	<i>540.9</i>
55°	489.3	493.4	487.2	479.3	<i>477.6</i>
57.5°	427.7	431.0	425.1	416.8	<i>416.4</i>
60°	370.7	371.0	369.3	361.4	<i>359.3</i>
62.5°	322.0	319.8	318.9	314.8	<i>312.3</i>
65°	276.1	276.6	274.4	269.8	<i>269.0</i>
67.5°	239.0	238.6	234.8	231.9	<i>230.3</i>
70°	202.7	201.5	199.9	197.4	<i>195.8</i>
72.5°	170.4	170.4	169.0	168.2	<i>165.4</i>
75°	142.1	140.4	138.7	139.5	<i>136.2</i>
77.5°	115.0	113.3	112.0	110.3	<i>109.5</i>
80°	87.0	85.3	85.8	83.2	<i>82.9</i>
82.5°	60.4	60.4	59.6	57.5	<i>57.9</i>
85°	34.5	34.9	34.2	34.5	<i>32.8</i>
87.5°	12.6	12.9	13.8	12.9	<i>12.9</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)