

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: P1050907

Luminaire Tested: 24PTR-35-PP3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PP3-L935-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

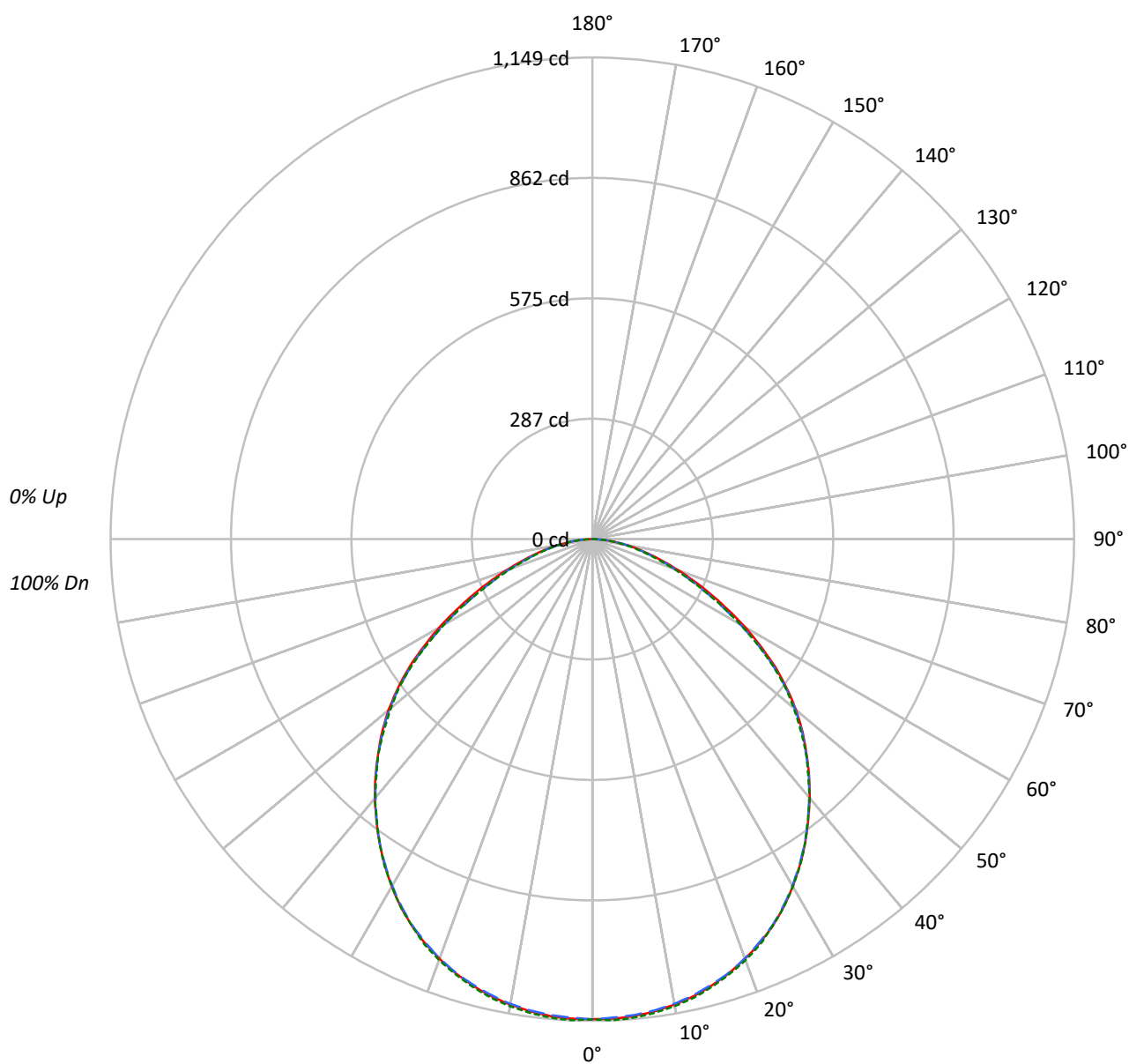
Lumens per Lamp: N/A
Luminaire Lumens: 2959.5 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1541	1541	1541
5°	1543	1539	1547
10°	1540	1538	1545
15°	1535	1532	1539
20°	1525	1524	1530
25°	1512	1509	1511
30°	1486	1483	1486
35°	1454	1452	1453
40°	1417	1412	1416
45°	1374	1370	1372
50°	1328	1322	1312
55°	1250	1236	1232
60°	1135	1096	1098
65°	996	947	945
70°	862	823	813
75°	745	718	702
80°	660	651	621
85°	546	565	531

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1379 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	3.7
10°-20°	311.2	10.5
20°-30°	468.5	15.8
30°-40°	553.0	18.7
40°-50°	556.1	18.8
50°-60°	469.5	15.9
60°-70°	301.5	10.2
70°-80°	150.0	5.1
80°-90°	41.1	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°	888.3	30.0
0°-40°	1441.3	48.7
0°-60°	2466.9	83.4
0°-90°	2959.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2959.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1145	1145	1145	1145	1145	
5°	1142	1142	1140	1145	1146	109
15°	1102	1102	1100	1105	1105	311
25°	1018	1018	1017	1018	1018	468
35°	885	886	884	885	885	553
45°	722	725	720	721	721	557
55°	533	532	527	525	525	474
65°	313	308	297	294	297	312
75°	143	143	138	137	135	155
85°	35	37	37	34	34	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1145.4	1145.4	1145.4	1145.4	1145.4
2.5°	1145.0	1145.4	1142.4	1147.8	1148.7
5°	1142.1	1142.4	1139.5	1145.0	1145.7
7.5°	1136.2	1136.7	1134.1	1139.1	1140.0
10°	1127.4	1128.8	1125.8	1130.5	1131.2
12.5°	1116.7	1117.2	1114.1	1119.6	1120.5
15°	1102.2	1102.5	1100.1	1105.1	1105.1
17.5°	1085.4	1085.9	1084.2	1088.5	1088.0
20°	1065.2	1066.4	1064.3	1067.2	1068.8
22.5°	1043.1	1043.6	1041.0	1044.8	1046.5
25°	1018.2	1018.5	1016.6	1018.5	1017.8
27.5°	989.1	989.8	986.9	989.1	989.5
30°	956.6	958.7	954.6	956.3	956.6
32.5°	921.7	922.9	920.0	920.5	922.6
35°	885.1	885.6	883.9	884.7	884.7
37.5°	845.7	847.4	844.8	846.0	844.3
40°	806.6	804.9	804.0	804.9	806.1
42.5°	765.3	765.8	764.6	763.7	761.7
45°	722.1	724.7	720.0	720.9	720.9
47.5°	679.8	680.1	677.7	675.1	673.5
50°	634.5	634.5	631.5	629.5	626.9
52.5°	584.9	584.2	580.9	578.8	580.0
55°	533.0	532.5	526.8	524.7	525.1
57.5°	476.0	476.9	468.2	466.1	466.1
60°	421.6	417.4	407.4	404.6	408.2
62.5°	364.5	359.5	348.8	348.8	351.7
65°	313.0	308.5	297.3	294.3	296.9
67.5°	264.8	260.6	250.3	248.7	249.4
70°	219.1	215.4	209.1	205.3	206.7
72.5°	179.6	176.3	172.1	169.2	167.5
75°	143.4	142.6	138.1	136.7	135.1
77.5°	113.5	113.2	109.4	107.7	106.1
80°	85.2	84.8	84.0	81.4	80.2
82.5°	60.7	60.7	60.3	58.2	57.0
85°	35.4	36.6	36.6	34.4	34.4
87.5°	14.2	15.0	14.2	14.2	13.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)