

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: P1050753

Luminaire Tested: 24PTR-35-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PL1-L935-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

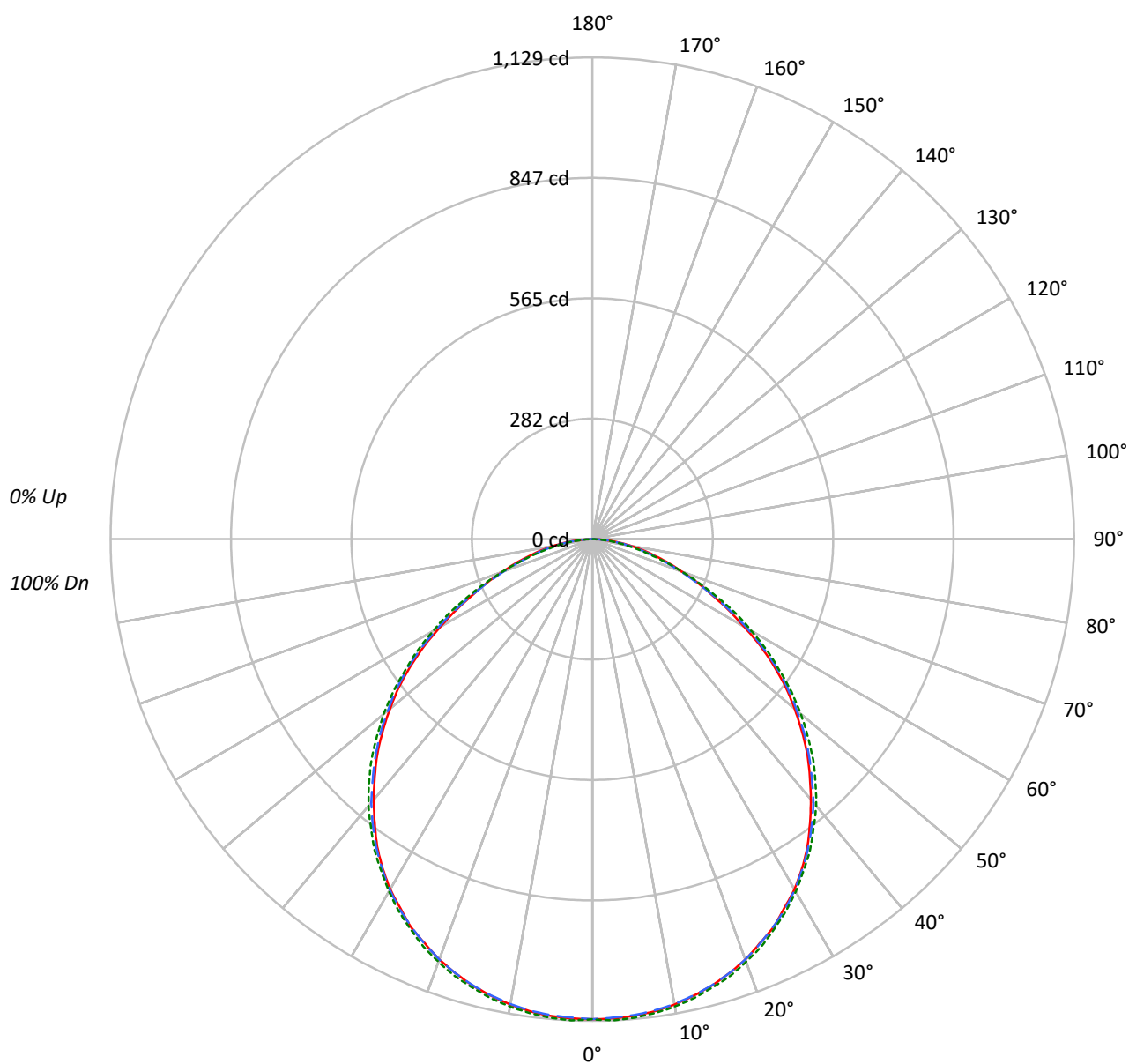
Lumens per Lamp: N/A
Luminaire Lumens: 2966.3 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1514	1514	1514
5°	1515	1513	1521
10°	1513	1512	1520
15°	1509	1508	1516
20°	1501	1501	1510
25°	1491	1489	1497
30°	1472	1474	1481
35°	1444	1450	1461
40°	1399	1416	1434
45°	1356	1367	1393
50°	1296	1310	1336
55°	1221	1240	1255
60°	1107	1131	1159
65°	983	994	1034
70°	879	861	883
75°	793	748	732
80°	721	669	594
85°	610	554	477

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1393 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	3.6
10°-20°	306.1	10.3
20°-30°	463.1	15.6
30°-40°	552.0	18.6
40°-50°	555.1	18.7
50°-60°	471.1	15.9
60°-70°	313.7	10.6
70°-80°	156.6	5.3
80°-90°	41.9	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°	876.0	29.5
0°-40°	1428.0	48.1
0°-60°	2454.1	82.7
0°-90°	2966.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2966.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1125	1125	1125	1125	1125	
5°	1122	1122	1120	1125	1126	107
15°	1083	1084	1083	1087	1088	306
25°	1004	1004	1003	1008	1008	462
35°	879	880	883	889	890	548
45°	712	714	718	728	732	548
55°	520	524	529	534	535	464
65°	309	312	312	317	325	310
75°	153	150	144	140	141	164
85°	40	39	36	34	31	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1125.3	1125.3	1125.3	1125.3	1125.3
2.5°	1124.4	1125.3	1122.3	1127.7	1129.1
5°	1122.0	1122.3	1119.9	1124.9	1126.1
7.5°	1116.5	1117.0	1114.4	1119.9	1120.6
10°	1107.7	1108.6	1106.5	1111.5	1112.7
12.5°	1096.5	1097.7	1095.6	1101.1	1102.0
15°	1083.2	1084.4	1082.7	1087.3	1088.2
17.5°	1066.8	1067.7	1066.8	1071.1	1073.5
20°	1048.5	1048.5	1048.5	1052.3	1054.4
22.5°	1025.6	1027.7	1026.8	1031.8	1034.0
25°	1004.4	1004.4	1003.1	1007.7	1008.5
27.5°	974.7	978.1	977.8	981.8	982.8
30°	947.6	948.5	949.0	951.8	953.5
32.5°	914.7	915.5	916.8	920.9	921.4
35°	879.3	880.2	882.6	888.8	889.7
37.5°	838.1	842.6	844.7	851.4	852.2
40°	796.7	799.6	806.0	812.9	816.3
42.5°	754.6	757.9	761.7	771.3	774.3
45°	712.5	713.7	718.4	727.9	732.2
47.5°	665.8	669.6	673.7	682.0	684.6
50°	619.2	623.3	625.8	633.3	638.2
52.5°	572.0	575.8	578.7	583.3	588.3
55°	520.4	524.0	528.7	533.7	534.9
57.5°	467.8	471.9	474.9	480.2	485.7
60°	411.5	416.2	420.2	425.2	430.7
62.5°	359.0	361.0	365.3	373.6	381.5
65°	308.9	311.5	312.2	316.9	324.8
67.5°	267.2	267.2	263.5	265.1	273.9
70°	223.5	221.8	218.9	217.2	224.4
72.5°	188.0	185.9	179.7	176.8	180.6
75°	152.6	150.4	143.8	140.4	140.9
77.5°	122.6	119.2	113.8	108.0	106.8
80°	93.0	91.7	86.4	80.9	76.7
82.5°	65.9	63.0	60.0	56.7	53.3
85°	39.5	38.8	35.9	33.8	30.9
87.5°	16.2	16.2	15.5	14.5	13.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)