

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: P1471781

Luminaire Tested: 24PTR-35S-PL1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35S-PL1-L835-UNV-STD-B
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens Black Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

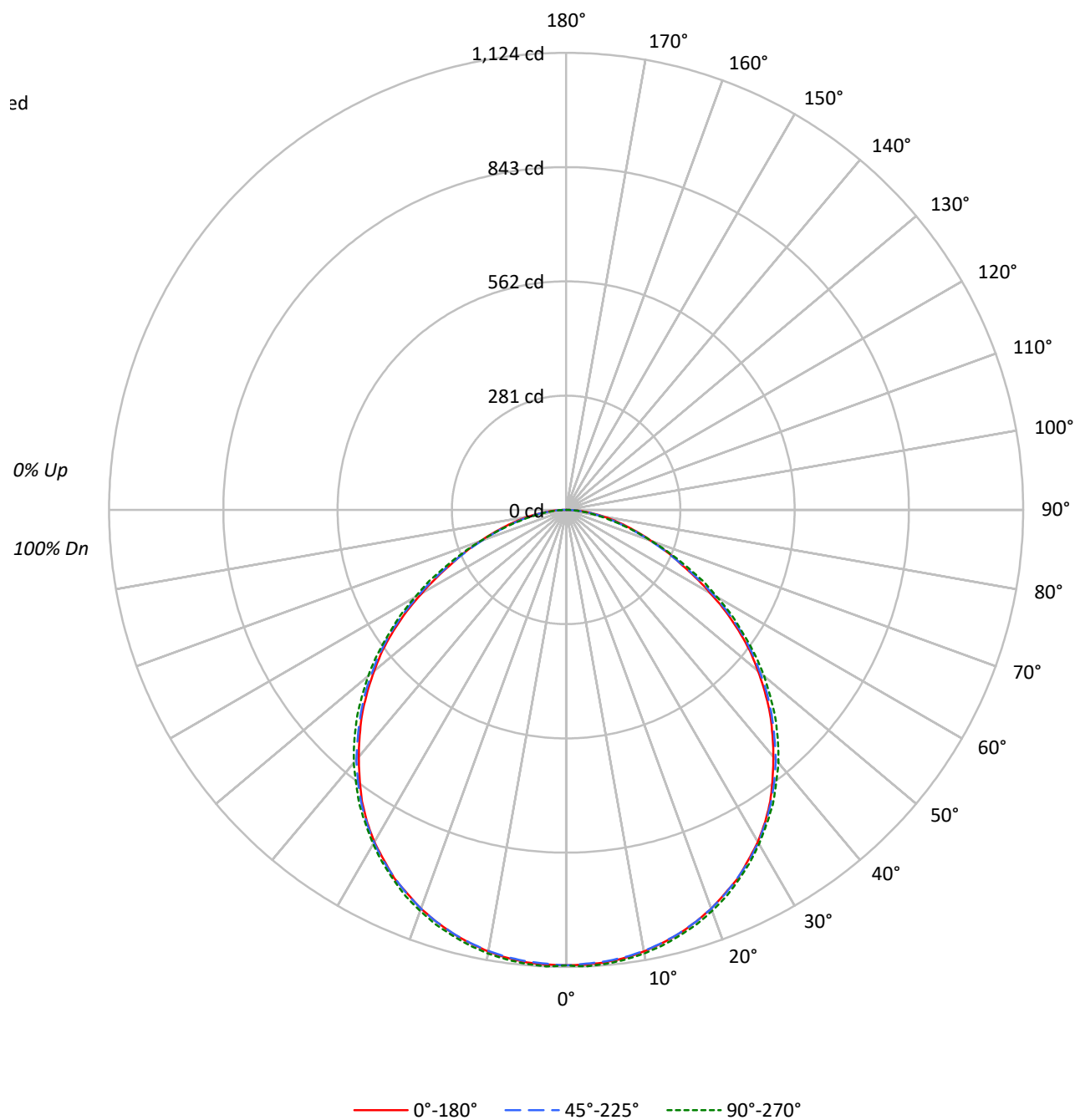
Lumens per Lamp: N/A
Luminaire Lumens: 2952.5 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	96		98	95	93			94	92	90			91
2	100	92	86	80	97	90	84	79		87	82	77			83	79	75			80
3	91	81	73	67	89	80	72	66		77	70	65			74	69	64			71
4	84	72	64	57	82	71	63	57		68	61	56			66	60	55			64
5	77	65	56	49	75	64	55	49		61	54	49			60	53	48			58
6	71	58	50	43	69	57	49	43		56	48	43			54	47	42			52
7	66	53	44	38	65	52	44	38		51	43	38			49	43	38			48
8	62	48	40	34	60	48	40	34		46	39	34			45	39	34			44
9	58	44	36	31	56	44	36	31		43	36	31			42	35	30			41
10	54	41	33	28	53	41	33	28		40	33	28			39	32	28			38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1507	1507	1507
5°	1508	1506	1514
10°	1506	1505	1513
15°	1502	1501	1509
20°	1494	1494	1503
25°	1484	1482	1490
30°	1465	1468	1475
35°	1438	1443	1455
40°	1393	1409	1427
45°	1349	1361	1387
50°	1290	1304	1330
55°	1215	1235	1249
60°	1102	1126	1154
65°	979	989	1029
70°	875	857	878
75°	789	744	729
80°	717	666	591
85°	608	551	475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1387 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	3.6
10°-20°	304.7	10.3
20°-30°	460.9	15.6
30°-40°	549.4	18.6
40°-50°	552.5	18.7
50°-60°	468.9	15.9
60°-70°	312.2	10.6
70°-80°	155.9	5.3
80°-90°	41.7	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°	871.9	29.5
0°-40°	1421.4	48.1
0°-60°	2442.7	82.7
0°-90°	2952.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2952.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1120	1120	1120	1120	1120	
5°	1117	1117	1115	1120	1121	106
15°	1078	1079	1078	1082	1083	304
25°	1000	1000	998	1003	1004	460
35°	875	876	878	885	886	546
45°	709	710	715	725	729	546
55°	518	522	526	531	532	462
65°	308	310	311	316	323	308
75°	152	150	143	140	140	163
85°	39	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°	1120.1	1120.1	1120.1	1120.1	1120.1
2.5°	1119.2	1120.1	1117.1	1122.5	1123.9
5°	1116.8	1117.1	1114.7	1119.6	1120.8
7.5°	1111.3	1111.8	1109.2	1114.7	1115.4
10°	1102.6	1103.5	1101.4	1106.4	1107.6
12.5°	1091.4	1092.6	1090.5	1096.0	1096.9
15°	1078.2	1079.4	1077.7	1082.2	1083.1
17.5°	1061.9	1062.8	1061.9	1066.1	1068.5
20°	1043.6	1043.6	1043.6	1047.4	1049.5
22.5°	1020.9	1023.0	1022.1	1027.1	1029.2
25°	999.8	999.8	998.4	1003.1	1003.8
27.5°	970.2	973.5	973.2	977.3	978.2
30°	943.2	944.1	944.6	947.4	949.1
32.5°	910.5	911.2	912.6	916.7	917.1
35°	875.2	876.1	878.5	884.7	885.6
37.5°	834.2	838.7	840.8	847.5	848.2
40°	793.0	795.9	802.2	809.2	812.5
42.5°	751.1	754.4	758.2	767.7	770.7
45°	709.2	710.4	715.1	724.6	728.8
47.5°	662.7	666.5	670.6	678.9	681.4
50°	616.3	620.4	622.9	630.3	635.3
52.5°	569.4	573.2	576.0	580.6	585.5
55°	518.0	521.6	526.3	531.2	532.5
57.5°	465.6	469.7	472.7	478.0	483.4
60°	409.6	414.2	418.3	423.3	428.7
62.5°	357.4	359.3	363.6	371.9	379.7
65°	307.5	310.0	310.8	315.5	323.3
67.5°	266.0	266.0	262.2	263.9	272.6
70°	222.4	220.8	217.9	216.2	223.3
72.5°	187.1	185.0	178.8	176.0	179.7
75°	151.8	149.7	143.1	139.8	140.2
77.5°	122.0	118.7	113.2	107.5	106.3
80°	92.6	91.2	86.0	80.5	76.3
82.5°	65.6	62.7	59.7	56.4	53.1
85°	39.4	38.6	35.7	33.6	30.8
87.5°	16.1	16.1	15.4	14.5	13.7
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.6	14.2	13.0	14.5	14.9	12.8	14.4	13.1	14.7	15.0
	3H	14.0	15.4	14.4	15.8	16.1	14.1	15.5	14.5	15.9	16.2
	4H	14.5	15.9	14.9	16.2	16.6	14.5	15.9	14.9	16.2	16.6
	6H	14.9	16.1	15.3	16.5	16.9	14.8	16.1	15.2	16.4	16.8
	8H	15.0	16.2	15.5	16.6	17.0	14.9	16.1	15.3	16.5	16.9
	12H	15.1	16.2	15.5	16.6	17.1	14.9	16.1	15.4	16.5	16.9
4H	2H	13.1	14.5	13.5	14.8	15.2	13.2	14.6	13.6	14.9	15.3
	3H	14.7	15.8	15.1	16.2	16.6	14.8	15.9	15.2	16.3	16.7
	4H	15.3	16.3	15.8	16.8	17.2	15.3	16.3	15.7	16.7	17.2
	6H	15.8	16.7	16.3	17.2	17.6	15.7	16.6	16.1	17.0	17.5
	8H	16.0	16.8	16.5	17.3	17.7	15.8	16.6	16.3	17.1	17.5
	12H	16.1	16.9	16.6	17.4	17.8	15.9	16.6	16.4	17.1	17.6
8H	4H	15.5	16.4	16.0	16.8	17.3	15.5	16.3	16.0	16.8	17.3
	6H	16.2	16.8	16.7	17.3	17.8	16.0	16.7	16.5	17.2	17.7
	8H	16.4	17.0	16.9	17.5	18.0	16.2	16.8	16.7	17.3	17.8
	12H	16.6	17.1	17.1	17.6	18.2	16.3	16.9	16.8	17.4	17.9
12H	4H	15.6	16.3	16.0	16.8	17.2	15.5	16.3	16.0	16.8	17.2
	6H	16.2	16.8	16.7	17.3	17.8	16.1	16.7	16.6	17.1	17.7
	8H	16.5	17.0	17.0	17.5	18.1	16.3	16.8	16.8	17.3	17.9

(END OF REPORT)