

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: P1471765

Luminaire Tested: 24PTR-30S-PL1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471765
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-30S-PL1-L835-UNV-STD-B
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens Black Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

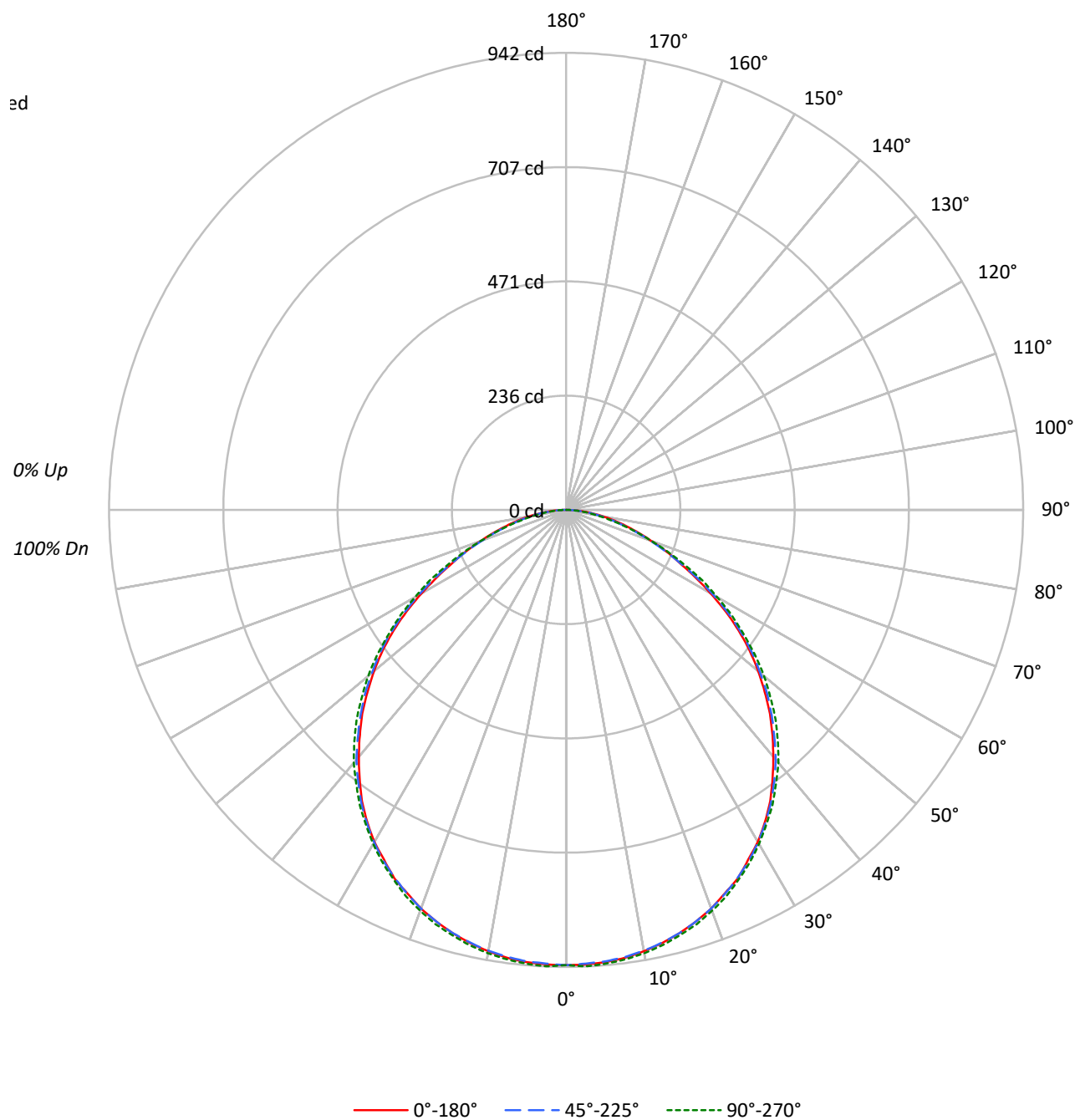
Lumens per Lamp: N/A
Luminaire Lumens: 2473.6 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.7
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°	1263	1263	1263
5°	1264	1261	1268
10°	1262	1261	1268
15°	1258	1258	1264
20°	1252	1252	1259
25°	1243	1242	1249
30°	1228	1229	1235
35°	1204	1209	1219
40°	1167	1180	1196
45°	1130	1140	1162
50°	1081	1092	1114
55°	1018	1034	1046
60°	923	943	967
65°	820	829	862
70°	733	718	736
75°	661	623	611
80°	601	558	495
85°	509	462	398

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1162 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	3.6
10°-20°	255.3	10.3
20°-30°	386.2	15.6
30°-40°	460.3	18.6
40°-50°	462.9	18.7
50°-60°	392.8	15.9
60°-70°	261.6	10.6
70°-80°	130.6	5.3
80°-90°	34.9	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°	730.5	29.5
0°-40°	1190.8	48.1
0°-60°	2046.5	82.7
0°-90°	2473.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2473.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	936	936	934	938	939	89
15°	903	904	903	907	907	255
25°	838	838	836	840	841	385
35°	733	734	736	741	742	457
45°	594	595	599	607	611	457
55°	434	437	441	445	446	387
65°	258	260	260	264	271	258
75°	127	125	120	117	118	137
85°	33	32	30	28	26	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	938.4	938.4	938.4	938.4	938.4
2.5°	937.6	938.4	935.9	940.4	941.6
5°	935.6	935.9	933.9	938.0	939.0
7.5°	931.1	931.5	929.3	933.9	934.5
10°	923.7	924.5	922.7	926.9	927.9
12.5°	914.4	915.4	913.6	918.2	918.9
15°	903.3	904.3	902.9	906.7	907.4
17.5°	889.6	890.4	889.6	893.2	895.2
20°	874.3	874.3	874.3	877.5	879.3
22.5°	855.3	857.0	856.3	860.5	862.2
25°	837.6	837.6	836.4	840.4	841.0
27.5°	812.8	815.6	815.4	818.8	819.5
30°	790.2	791.0	791.3	793.7	795.1
32.5°	762.8	763.4	764.6	768.0	768.4
35°	733.2	734.0	736.0	741.2	742.0
37.5°	698.9	702.7	704.4	710.0	710.6
40°	664.4	666.8	672.1	677.9	680.7
42.5°	629.3	632.0	635.2	643.2	645.7
45°	594.1	595.2	599.1	607.0	610.6
47.5°	555.2	558.4	561.8	568.7	570.9
50°	516.3	519.7	521.9	528.1	532.2
52.5°	477.0	480.2	482.6	486.4	490.6
55°	434.0	437.0	440.9	445.1	446.1
57.5°	390.1	393.5	396.1	400.5	405.0
60°	343.1	347.0	350.4	354.6	359.2
62.5°	299.4	301.1	304.6	311.5	318.1
65°	257.6	259.7	260.4	264.3	270.9
67.5°	222.9	222.9	219.7	221.1	228.4
70°	186.3	185.0	182.6	181.2	187.1
72.5°	156.8	155.0	149.8	147.4	150.6
75°	127.2	125.4	119.9	117.1	117.5
77.5°	102.2	99.4	94.9	90.1	89.1
80°	77.6	76.4	72.0	67.5	63.9
82.5°	55.0	52.6	50.0	47.2	44.5
85°	33.0	32.3	29.9	28.2	25.8
87.5°	13.5	13.5	12.9	12.1	11.5
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	12.0	13.6	12.4	13.9	14.2	12.2	13.8	12.5	14.1	14.4
	3H	13.4	14.8	13.8	15.2	15.5	13.5	14.9	13.9	15.3	15.6
	4H	13.9	15.2	14.3	15.6	16.0	13.9	15.3	14.3	15.6	16.0
	6H	14.3	15.5	14.7	15.9	16.3	14.2	15.4	14.6	15.8	16.2
	8H	14.4	15.6	14.8	16.0	16.4	14.3	15.5	14.7	15.9	16.3
	12H	14.5	15.6	14.9	16.0	16.4	14.3	15.5	14.8	15.8	16.3
4H	2H	12.5	13.9	12.9	14.2	14.6	12.6	14.0	13.0	14.3	14.7
	3H	14.1	15.2	14.5	15.6	16.0	14.2	15.3	14.6	15.7	16.1
	4H	14.7	15.7	15.1	16.1	16.6	14.7	15.7	15.1	16.1	16.6
	6H	15.2	16.1	15.7	16.5	17.0	15.1	16.0	15.5	16.4	16.9
	8H	15.4	16.2	15.9	16.7	17.1	15.2	16.0	15.7	16.5	16.9
	12H	15.5	16.3	16.0	16.7	17.2	15.3	16.0	15.8	16.5	17.0
8H	4H	14.9	15.8	15.4	16.2	16.7	14.9	15.7	15.4	16.2	16.6
	6H	15.5	16.2	16.0	16.7	17.2	15.4	16.1	15.9	16.6	17.0
	8H	15.8	16.4	16.3	16.9	17.4	15.6	16.2	16.1	16.7	17.2
	12H	16.0	16.5	16.5	17.0	17.6	15.7	16.2	16.2	16.7	17.3
12H	4H	14.9	15.7	15.4	16.2	16.6	14.9	15.7	15.4	16.1	16.6
	6H	15.6	16.2	16.1	16.7	17.2	15.4	16.1	16.0	16.5	17.1
	8H	15.9	16.4	16.4	16.9	17.5	15.7	16.2	16.2	16.7	17.2

(END OF REPORT)