

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: P1471759

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30S-L835-UNV-STD-B
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens Black Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

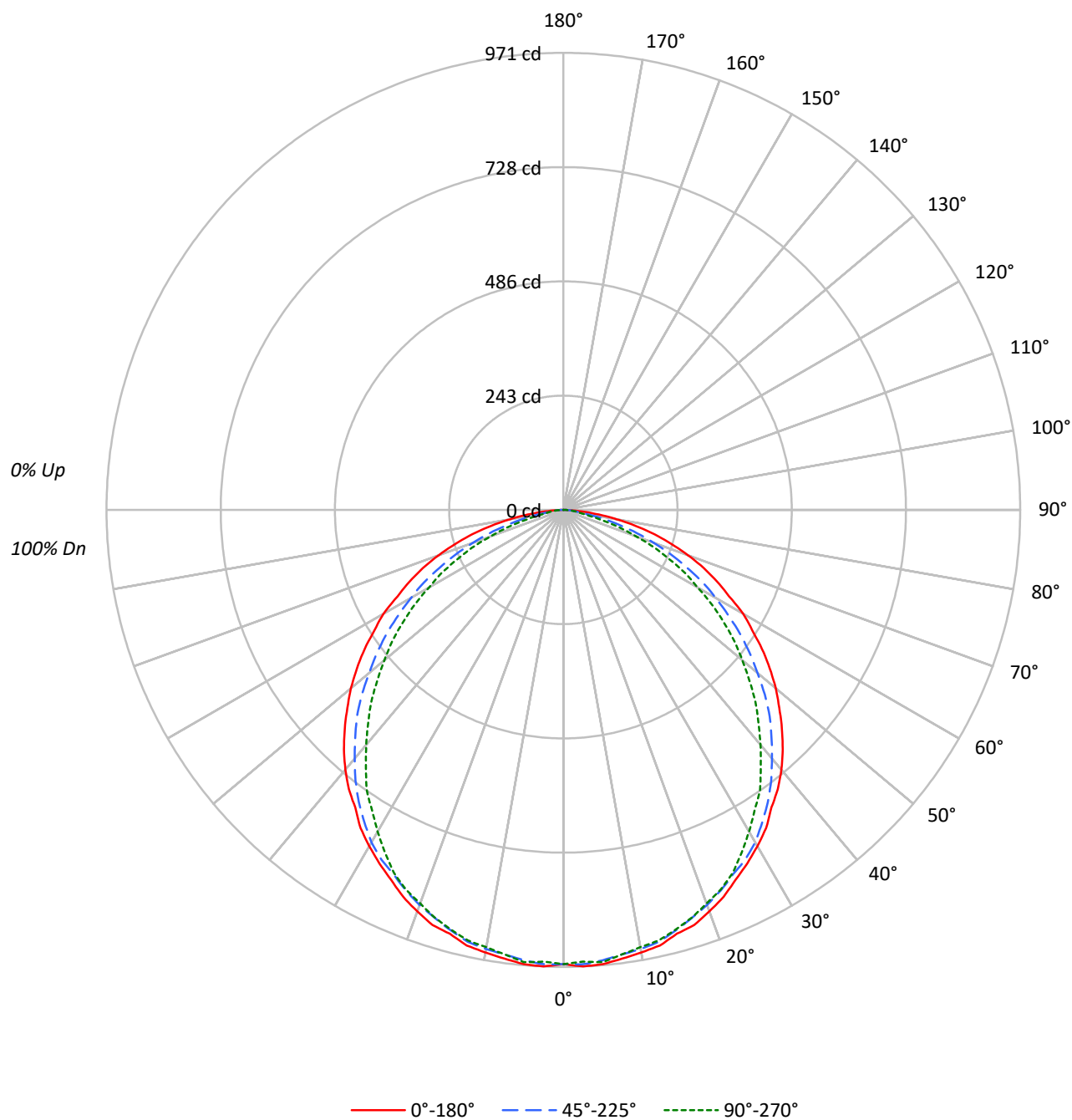
Lumens per Lamp: N/A
Luminaire Lumens: 2570.7 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	50	30	10	50	30	0
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	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1299	1299	1299
5°	1308	1297	1303
10°	1304	1294	1289
15°	1299	1288	1286
20°	1300	1279	1274
25°	1287	1268	1264
30°	1281	1267	1226
35°	1267	1244	1196
40°	1266	1212	1145
45°	1250	1180	1099
50°	1233	1127	1039
55°	1209	1075	976
60°	1188	1005	886
65°	1147	922	792
70°	1110	803	647
75°	1043	634	445
80°	904	383	267
85°	604	275	258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1250 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	3.6
10°-20°	261.8	10.2
20°-30°	395.4	15.4
30°-40°	470.1	18.3
40°-50°	476.8	18.5
50°-60°	414.0	16.1
60°-70°	293.9	11.4
70°-80°	140.5	5.5
80°-90°	26.6	1.0
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°	748.7	29.1
0°-40°	1218.8	47.4
0°-60°	2109.7	82.1
0°-90°	2570.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2570.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	965	965	965	965	965	
5°	968	965	960	963	964	92
15°	932	935	925	924	923	264
25°	867	866	854	858	851	400
35°	771	770	758	732	728	485
45°	657	651	620	588	578	507
55°	516	500	458	431	416	461
65°	360	333	290	259	249	357
75°	201	164	122	97	86	210
85°	39	21	18	17	17	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	965.1	965.1	965.1	965.1	965.1
2.5°	970.8	967.4	966.2	970.3	960.5
5°	968.5	965.1	960.5	962.8	964.5
7.5°	961.6	958.8	952.5	957.6	952.5
10°	954.8	951.9	947.3	949.0	943.3
12.5°	947.9	941.0	939.8	941.0	936.9
15°	932.3	934.6	924.9	923.7	923.1
17.5°	924.9	919.1	908.8	909.3	908.2
20°	907.6	900.7	893.2	892.1	889.8
22.5°	889.8	881.8	874.9	878.3	873.1
25°	866.8	865.7	854.2	857.6	851.3
27.5°	846.7	842.7	837.5	830.0	820.8
30°	824.8	820.8	815.6	796.1	789.2
32.5°	801.9	797.3	786.9	763.9	756.4
35°	771.4	770.2	757.6	731.7	728.3
37.5°	748.4	735.8	725.4	699.0	689.2
40°	720.8	713.9	689.8	664.5	651.8
42.5°	690.3	682.3	654.7	627.7	613.9
45°	657.0	651.3	620.2	587.5	577.7
47.5°	622.5	617.3	580.6	548.9	536.3
50°	589.2	582.9	538.6	508.1	496.6
52.5°	553.0	542.6	498.9	469.0	458.1
55°	515.6	500.1	458.1	431.1	416.2
57.5°	475.9	461.6	415.0	386.8	374.8
60°	441.5	421.3	373.6	344.9	329.4
62.5°	397.2	379.9	334.5	300.6	293.2
65°	360.4	333.4	289.7	258.7	248.9
67.5°	323.0	291.4	247.2	215.6	210.4
70°	282.2	249.5	204.1	173.0	164.4
72.5°	240.8	208.7	164.4	131.6	126.5
75°	200.6	163.8	121.9	96.6	85.6
77.5°	156.9	123.6	85.6	59.2	52.3
80°	116.7	83.3	49.4	35.1	34.5
82.5°	76.4	48.3	26.4	27.0	25.9
85°	39.1	20.7	17.8	17.2	16.7
87.5°	7.5	8.0	8.6	8.6	8.6
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	13.0	14.6	13.4	15.0	15.3	11.7	13.3	12.1	13.6	14.0
	3H	14.9	16.3	15.3	16.6	17.0	13.0	14.4	13.4	14.8	15.1
	4H	15.6	16.9	16.0	17.3	17.6	13.3	14.6	13.7	15.0	15.4
	6H	16.1	17.3	16.5	17.7	18.1	13.4	14.6	13.8	15.0	15.4
	8H	16.2	17.4	16.6	17.8	18.2	13.4	14.6	13.8	15.0	15.4
	12H	16.3	17.4	16.7	17.8	18.2	13.4	14.5	13.8	14.9	15.3
4H	2H	13.5	14.8	13.9	15.2	15.5	12.4	13.8	12.8	14.1	14.5
	3H	15.5	16.6	15.9	17.0	17.4	13.8	15.0	14.2	15.4	15.8
	4H	16.3	17.3	16.7	17.7	18.2	14.2	15.2	14.6	15.6	16.1
	6H	16.9	17.8	17.3	18.2	18.7	14.3	15.2	14.8	15.6	16.1
	8H	17.0	17.9	17.5	18.3	18.8	14.3	15.2	14.8	15.6	16.1
	12H	17.1	17.9	17.6	18.3	18.8	14.4	15.1	14.8	15.6	16.0
8H	4H	16.4	17.2	16.8	17.6	18.1	14.5	15.3	14.9	15.7	16.2
	6H	17.0	17.7	17.5	18.2	18.7	14.6	15.3	15.1	15.8	16.3
	8H	17.2	17.8	17.7	18.3	18.8	14.7	15.3	15.2	15.8	16.3
	12H	17.3	17.9	17.9	18.4	18.9	14.7	15.2	15.2	15.7	16.3
12H	4H	16.4	17.1	16.8	17.6	18.1	14.5	15.2	15.0	15.7	16.2
	6H	17.0	17.6	17.5	18.1	18.6	14.6	15.3	15.2	15.7	16.3
	8H	17.2	17.8	17.7	18.3	18.8	14.7	15.2	15.2	15.7	16.3

(END OF REPORT)