

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: P1471766

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471766
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-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens White Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

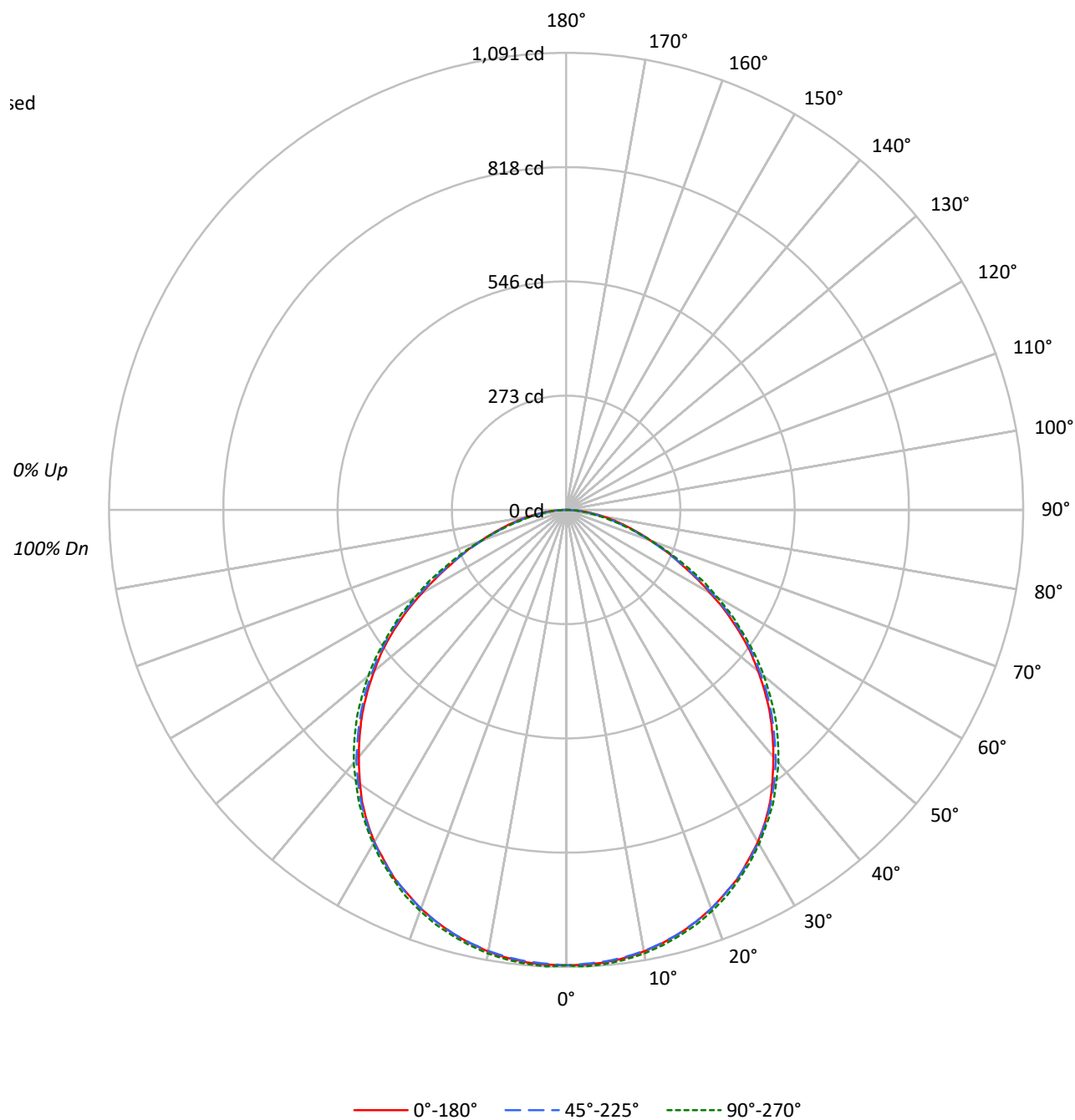
Lumens per Lamp: N/A
Luminaire Lumens: 2865.8 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	1463	1463	1463
5°	1464	1461	1469
10°	1462	1461	1469
15°	1458	1457	1464
20°	1450	1450	1459
25°	1441	1439	1446
30°	1422	1424	1431
35°	1395	1401	1412
40°	1352	1368	1385
45°	1310	1321	1346
50°	1252	1266	1291
55°	1179	1198	1212
60°	1070	1093	1120
65°	950	961	999
70°	849	832	853
75°	766	722	708
80°	697	646	574
85°	590	536	462

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1346 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	3.6
10°-20°	295.8	10.3
20°-30°	447.4	15.6
30°-40°	533.3	18.6
40°-50°	536.2	18.7
50°-60°	455.1	15.9
60°-70°	303.0	10.6
70°-80°	151.3	5.3
80°-90°	40.5	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°	846.3	29.5
0°-40°	1379.6	48.1
0°-60°	2370.9	82.7
0°-90°	2865.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2865.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1087	1087	1087	1087	1087	
5°	1084	1084	1082	1087	1088	103
15°	1046	1048	1046	1050	1051	295
25°	970	970	969	974	974	446
35°	850	850	853	859	860	530
45°	688	690	694	703	707	530
55°	503	506	511	516	517	448
65°	298	301	302	306	314	299
75°	147	145	139	136	136	158
85°	38	38	35	33	30	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1087.2	1087.2	1087.2	1087.2	1087.2
2.5°	1086.3	1087.2	1084.2	1089.5	1090.8
5°	1084.0	1084.2	1081.9	1086.7	1087.9
7.5°	1078.7	1079.1	1076.6	1081.9	1082.6
10°	1070.2	1071.1	1069.0	1073.9	1075.0
12.5°	1059.4	1060.5	1058.5	1063.8	1064.6
15°	1046.5	1047.7	1046.0	1050.4	1051.3
17.5°	1030.7	1031.6	1030.7	1034.8	1037.1
20°	1013.0	1013.0	1013.0	1016.6	1018.7
22.5°	990.9	992.9	992.0	996.9	998.9
25°	970.4	970.4	969.1	973.6	974.3
27.5°	941.7	944.9	944.6	948.6	949.4
30°	915.5	916.4	916.8	919.6	921.2
32.5°	883.7	884.5	885.8	889.7	890.2
35°	849.5	850.4	852.7	858.7	859.6
37.5°	809.7	814.1	816.1	822.5	823.3
40°	769.7	772.5	778.6	785.4	788.6
42.5°	729.0	732.2	735.9	745.1	748.1
45°	688.3	689.5	694.0	703.3	707.4
47.5°	643.3	646.9	650.9	658.9	661.4
50°	598.2	602.1	604.6	611.8	616.6
52.5°	552.7	556.3	559.1	563.5	568.3
55°	502.8	506.3	510.8	515.6	516.8
57.5°	452.0	455.9	458.8	464.0	469.2
60°	397.5	402.1	406.0	410.8	416.1
62.5°	346.9	348.8	352.9	360.9	368.5
65°	298.4	300.9	301.7	306.2	313.8
67.5°	258.2	258.2	254.5	256.1	264.6
70°	215.9	214.3	211.5	209.9	216.8
72.5°	181.6	179.6	173.6	170.8	174.5
75°	147.4	145.3	138.9	135.7	136.1
77.5°	118.4	115.2	109.9	104.4	103.2
80°	89.9	88.5	83.4	78.2	74.1
82.5°	63.7	60.9	58.0	54.7	51.5
85°	38.2	37.5	34.7	32.6	29.9
87.5°	15.7	15.7	14.9	14.1	13.3
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	12.5	14.1	12.9	14.4	14.7	12.7	14.3	13.0	14.6	14.9
	3H	13.9	15.3	14.3	15.7	16.0	14.0	15.4	14.4	15.8	16.1
	4H	14.4	15.8	14.8	16.1	16.5	14.4	15.8	14.8	16.1	16.5
	6H	14.8	16.0	15.2	16.4	16.8	14.7	16.0	15.1	16.3	16.7
	8H	14.9	16.1	15.3	16.5	16.9	14.8	16.0	15.2	16.4	16.8
	12H	15.0	16.1	15.4	16.5	17.0	14.8	16.0	15.3	16.4	16.8
4H	2H	13.0	14.4	13.4	14.7	15.1	13.1	14.5	13.5	14.8	15.2
	3H	14.6	15.7	15.0	16.1	16.5	14.7	15.8	15.1	16.2	16.6
	4H	15.2	16.2	15.7	16.7	17.1	15.2	16.2	15.6	16.6	17.1
	6H	15.7	16.6	16.2	17.1	17.5	15.6	16.5	16.0	16.9	17.4
	8H	15.9	16.7	16.4	17.2	17.6	15.7	16.5	16.2	17.0	17.4
	12H	16.0	16.8	16.5	17.3	17.7	15.8	16.5	16.3	17.0	17.5
8H	4H	15.4	16.3	15.9	16.7	17.2	15.4	16.2	15.9	16.7	17.1
	6H	16.1	16.7	16.6	17.2	17.7	15.9	16.6	16.4	17.1	17.6
	8H	16.3	16.9	16.8	17.4	17.9	16.1	16.7	16.6	17.2	17.7
	12H	16.5	17.0	17.0	17.5	18.1	16.2	16.8	16.7	17.2	17.8
12H	4H	15.5	16.2	15.9	16.7	17.1	15.4	16.2	15.9	16.7	17.1
	6H	16.1	16.7	16.6	17.2	17.7	16.0	16.6	16.5	17.0	17.6
	8H	16.4	16.9	16.9	17.4	18.0	16.2	16.7	16.7	17.2	17.8

(END OF REPORT)