Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1471768

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471768
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-30S-PLG-L835-UNV-STD-W
Description:	3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2405.0 lumens
Efficiency:	N/A
Efficacy:	101.5 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.26
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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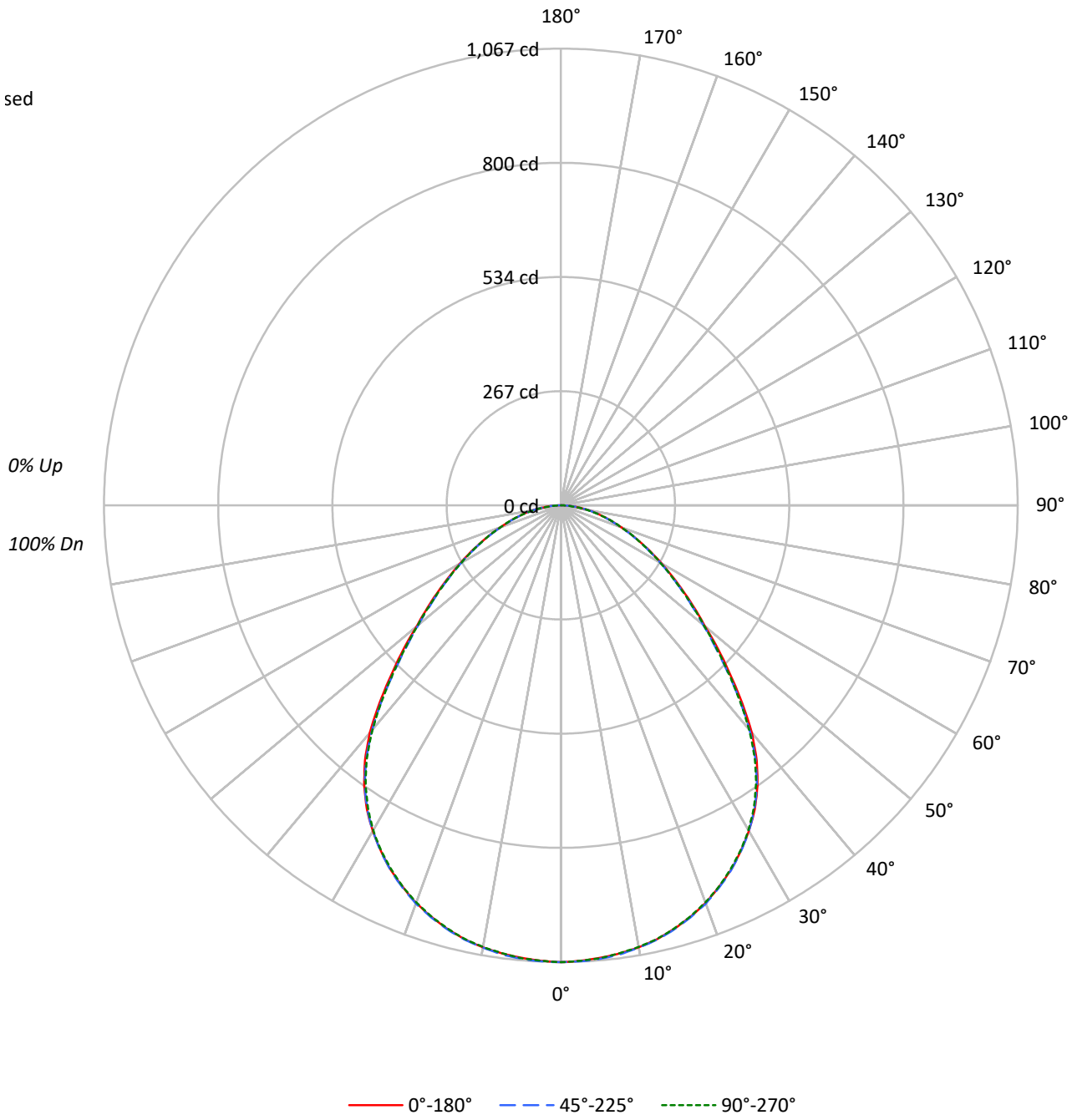
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	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	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1436	1436	1436
5°	1433	1436	1434
10°	1432	1433	1431
15°	1427	1429	1426
20°	1415	1418	1413
25°	1396	1397	1392
30°	1365	1365	1362
35°	1315	1311	1305
40°	1219	1205	1201
45°	1065	1048	1052
50°	920	908	913
55°	817	805	807
60°	732	722	722
65°	656	651	654
70°	590	584	590
75°	547	540	547
80°	511	504	487
85°	432	432	386

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1065 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	4.2
10°-20°	289.1	12.0
20°-30°	432.6	18.0
30°-40°	495.7	20.6
40°-50°	428.7	17.8
50°-60°	310.3	12.9
60°-70°	204.4	8.5
70°-80°	111.2	4.6
80°-90°	31.9	1.3
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°	822.8	34.2
0°-40°	1318.5	54.8
0°-60°	2057.5	85.6
0°-90°	2405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2405.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1067	1067	1067	1067	1067	
5°	1061	1064	1064	1064	1062	101
15°	1024	1025	1026	1027	1023	289
25°	940	940	941	942	938	432
35°	801	800	798	798	795	497
45°	560	558	551	550	553	433
55°	348	347	343	341	344	314
65°	206	208	204	203	205	206
75°	105	105	104	104	105	112
85°	28	28	28	29	25	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1067.3*	*1067.3*	*1067.3*	*1067.3*	*1067.3*
2.5°	*1065.0*	1067.3	1066.5	1067.3	1065.0
5°	*1061.2*	1063.5	1063.5	1063.5	1062.0
7.5°	*1055.9*	1057.5	1058.2	1059.0	1055.2
10°	*1048.4*	1049.9	1049.1	1050.6	1047.6
12.5°	*1038.5*	1038.5	1039.3	1040.8	1037.8
15°	*1024.1*	1024.9	1025.6	1027.2	1023.4
17.5°	*1007.5*	1008.2	1009.0	1009.7	1006.7
20°	*988.5*	988.5	990.0	990.8	987.0
22.5°	*965.0*	965.0	966.6	968.8	964.3
25°	*940.0*	940.0	940.8	941.6	937.8
27.5°	*910.5*	910.5	911.3	913.5	909.0
30°	*878.7*	877.9	878.7	879.4	876.4
32.5°	*843.1*	842.3	841.6	842.3	838.5
35°	*800.7*	799.9	798.4	797.6	794.6
37.5°	*751.4*	749.9	746.9	746.9	743.9
40°	*693.9*	690.1	686.3	684.8	684.0
42.5°	*627.2*	624.2	618.9	618.1	618.1
45°	*559.8*	558.3	550.7	549.9	553.0
47.5°	*499.2*	495.4	488.6	487.1	491.6
50°	*439.3*	440.1	434.0	431.8	436.3
52.5°	*392.4*	390.9	385.6	384.0	387.8
55°	*348.4*	346.9	343.1	340.9	343.9
57.5°	*308.3*	307.5	303.8	303.0	304.5
60°	*271.9*	271.2	268.2	267.4	268.2
62.5°	*237.9*	237.9	234.8	233.3	235.6
65°	*206.0*	207.6	204.5	203.0	205.3
67.5°	*177.3*	178.8	175.7	174.2	177.3
70°	*150.0*	151.5	148.5	147.0	150.0
72.5°	*126.5*	127.3	125.0	124.2	128.0
75°	*105.3*	105.3	103.8	103.8	105.3
77.5°	*85.6*	84.8	84.1	84.1	82.6
80°	*65.9*	65.1	65.1	65.1	62.9
82.5°	*47.0*	45.4	46.2	47.0	43.2
85°	*28.0*	28.0	28.0	28.8	25.0
87.5°	*11.4*	11.4	10.6	11.4	9.8
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	10.5	12.0	10.9	12.3	12.7	10.4	11.9	10.8	12.2	12.6
	3H	12.0	13.3	12.3	13.6	14.0	11.9	13.2	12.2	13.5	13.9
	4H	12.5	13.8	12.9	14.1	14.5	12.4	13.7	12.8	14.0	14.4
	6H	12.9	14.1	13.3	14.5	14.9	12.8	14.0	13.2	14.4	14.8
	8H	13.1	14.2	13.5	14.6	15.0	13.0	14.1	13.4	14.5	14.9
	12H	13.2	14.2	13.6	14.6	15.1	13.0	14.1	13.5	14.5	14.9
4H	2H	11.0	12.3	11.4	12.6	13.0	10.9	12.2	11.3	12.5	12.9
	3H	12.7	13.7	13.1	14.1	14.5	12.6	13.6	13.0	14.0	14.4
	4H	13.3	14.3	13.8	14.7	15.1	13.3	14.2	13.7	14.6	15.1
	6H	13.9	14.7	14.4	15.2	15.6	13.8	14.6	14.3	15.1	15.5
	8H	14.1	14.9	14.6	15.3	15.8	14.0	14.8	14.5	15.2	15.7
	12H	14.2	14.9	14.7	15.4	15.9	14.1	14.8	14.6	15.3	15.7
8H	4H	13.6	14.4	14.0	14.8	15.3	13.5	14.3	14.0	14.7	15.2
	6H	14.3	14.9	14.8	15.4	15.9	14.2	14.8	14.7	15.3	15.8
	8H	14.5	15.1	15.0	15.6	16.1	14.5	15.0	15.0	15.5	16.0
	12H	14.7	15.3	15.3	15.7	16.3	14.6	15.2	15.2	15.6	16.2
12H	4H	13.6	14.3	14.1	14.8	15.2	13.5	14.2	14.0	14.7	15.2
	6H	14.3	14.9	14.8	15.4	15.9	14.2	14.8	14.8	15.3	15.8
	8H	14.6	15.1	15.1	15.6	16.2	14.6	15.1	15.1	15.6	16.1

(END OF REPORT)