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: P1471770

Luminaire Tested: 24PTR-30S-PP3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471770
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-30S-PP3-L835-UNV-STD-W
Description:	3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2862.9 lumens
Efficiency:	N/A
Efficacy:	120.8 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 1.24 / 1.34
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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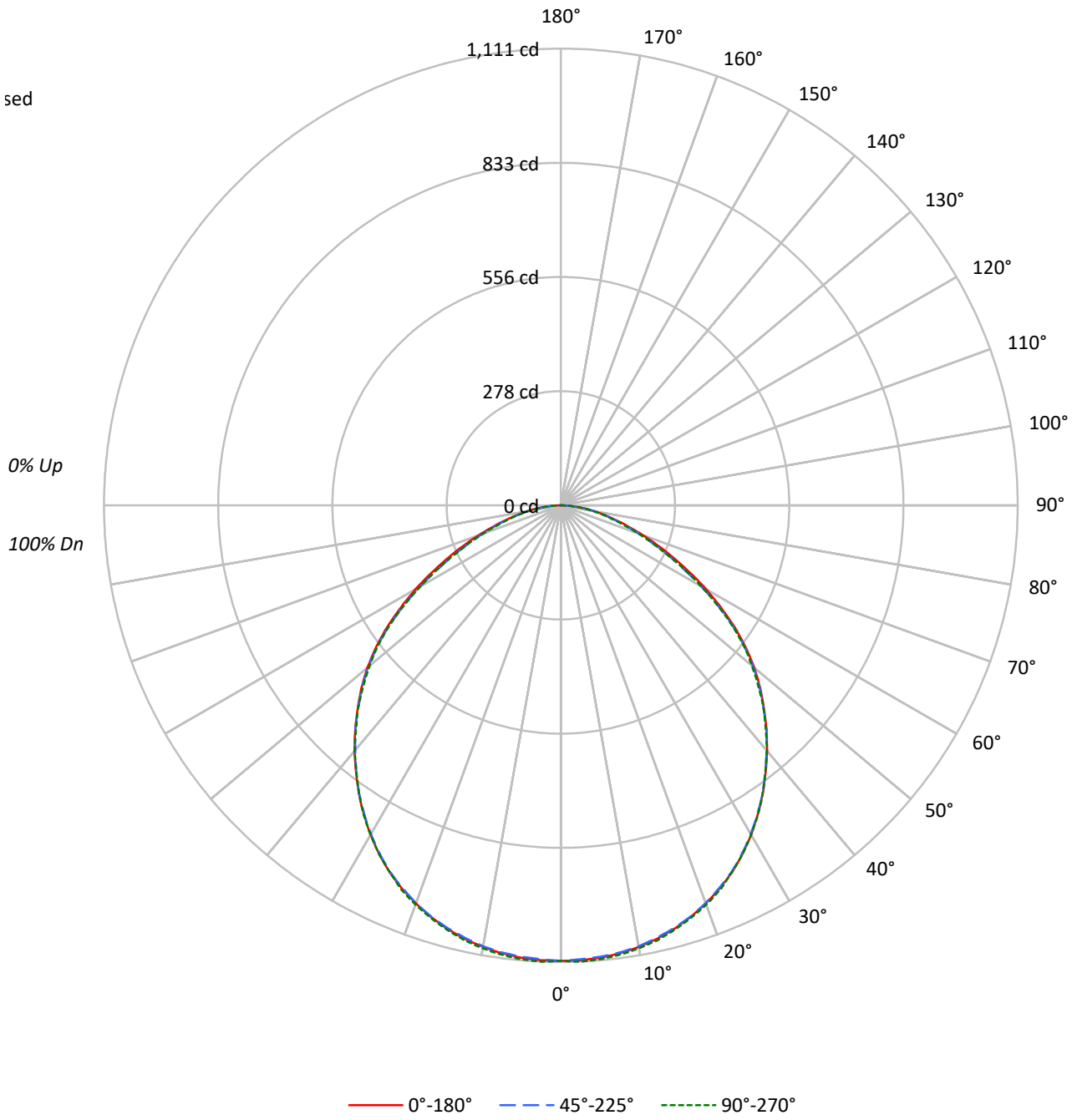
Luminous Intensity Polar Plot



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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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1491	1491	1491
5°	1492	1489	1497
10°	1490	1488	1495
15°	1485	1482	1489
20°	1475	1474	1480
25°	1462	1460	1462
30°	1438	1435	1438
35°	1406	1405	1406
40°	1370	1366	1370
45°	1329	1325	1327
50°	1285	1279	1270
55°	1209	1195	1192
60°	1098	1061	1063
65°	964	916	914
70°	834	796	786
75°	721	695	679
80°	638	630	601
85°	528	546	514

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1334 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	3.7
10°-20°	301.0	10.5
20°-30°	453.2	15.8
30°-40°	534.9	18.7
40°-50°	538.0	18.8
50°-60°	454.2	15.9
60°-70°	291.7	10.2
70°-80°	145.1	5.1
80°-90°	39.7	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°	859.3	30.0
0°-40°	1394.3	48.7
0°-60°	2386.4	83.4
0°-90°	2862.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2862.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1108	1108	1108	1108	1108	
5°	1105	1105	1102	1108	1108	105
15°	1066	1066	1064	1069	1069	301
25°	985	985	983	985	985	453
35°	856	857	855	856	856	535
45°	699	701	696	697	697	539
55°	516	515	510	508	508	459
65°	303	298	288	285	287	302
75°	139	138	134	132	131	150
85°	34	35	35	33	33	40
90°	0	0	0	0	0	

TEST NUMBER: P1471770
CATALOG NUMBER: 24PTR-30S-PP3-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1108.0	1108.0	1108.0	1108.0	*1108.0*
2.5°	*1107.6*	*1108.0*	*1105.1*	*1110.4*	*1111.3*
5°	1104.8	1105.1	1102.3	1107.6	*1108.3*
7.5°	1099.1	1099.6	1097.1	1101.9	*1102.8*
10°	1090.7	1092.0	1089.0	1093.6	*1094.3*
12.5°	1080.3	1080.7	1077.8	1083.1	*1083.9*
15°	1066.2	1066.5	1064.2	1069.0	*1069.0*
17.5°	1050.0	1050.5	1048.9	1052.9	*1052.5*
20°	1030.4	1031.6	1029.6	1032.3	*1033.9*
22.5°	1009.1	1009.5	1007.1	1010.7	*1012.3*
25°	985.0	985.3	983.4	985.3	*984.6*
27.5°	956.8	957.5	954.7	956.8	*957.2*
30°	925.4	927.4	923.5	925.1	*925.4*
32.5°	891.6	892.8	890.0	890.4	*892.5*
35°	856.2	856.7	855.1	855.8	*855.8*
37.5°	818.1	819.7	817.2	818.4	*816.8*
40°	780.2	778.6	777.8	778.6	*779.8*
42.5°	740.4	740.8	739.6	738.7	*736.8*
45°	698.6	701.0	696.5	697.4	*697.4*
47.5°	657.6	657.9	655.6	653.1	*651.5*
50°	613.8	613.8	610.9	609.0	*606.5*
52.5°	565.9	565.1	561.9	559.9	*561.0*
55°	515.6	515.1	509.6	507.5	*508.0*
57.5°	460.5	461.4	452.9	450.8	*450.8*
60°	407.9	403.8	394.1	391.4	*394.9*
62.5°	352.6	347.8	337.4	337.4	*340.2*
65°	302.8	298.4	287.6	284.7	*287.2*
67.5°	256.2	252.1	242.2	240.5	*241.3*
70°	211.9	208.4	202.3	198.6	*199.9*
72.5°	173.8	170.5	166.5	163.7	*162.1*
75°	138.7	138.0	133.6	132.3	*130.7*
77.5°	109.8	109.5	105.8	104.2	*102.6*
80°	82.4	82.0	81.3	78.8	*77.6*
82.5°	58.7	58.7	58.3	56.3	*55.1*
85°	34.2	35.4	35.4	33.3	*33.3*
87.5°	13.7	14.5	13.7	13.7	*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	12.6	14.2	13.0	14.5	14.8	12.5	14.1	12.8	14.4	14.7
	3H	13.9	15.4	14.3	15.7	16.0	13.7	15.1	14.1	15.5	15.8
	4H	14.4	15.7	14.8	16.1	16.4	14.1	15.5	14.5	15.8	16.2
	6H	14.7	16.0	15.1	16.3	16.7	14.4	15.7	14.9	16.0	16.4
	8H	14.8	16.0	15.2	16.4	16.8	14.5	15.7	15.0	16.1	16.5
	12H	14.9	16.0	15.3	16.4	16.8	14.6	15.7	15.0	16.1	16.6
4H	2H	13.1	14.4	13.5	14.7	15.1	12.9	14.3	13.3	14.6	15.0
	3H	14.6	15.7	15.0	16.1	16.5	14.4	15.5	14.8	15.9	16.3
	4H	15.1	16.1	15.6	16.5	17.0	14.9	15.9	15.3	16.3	16.8
	6H	15.6	16.5	16.0	16.9	17.4	15.3	16.2	15.8	16.7	17.1
	8H	15.7	16.6	16.2	17.0	17.5	15.5	16.3	15.9	16.7	17.2
	12H	15.8	16.6	16.3	17.1	17.5	15.6	16.3	16.1	16.8	17.3
8H	4H	15.3	16.1	15.8	16.6	17.1	15.1	15.9	15.6	16.4	16.8
	6H	15.9	16.6	16.4	17.1	17.5	15.7	16.3	16.2	16.8	17.3
	8H	16.1	16.7	16.6	17.2	17.7	15.9	16.5	16.4	17.0	17.5
	12H	16.3	16.8	16.8	17.3	17.9	16.0	16.6	16.5	17.1	17.6
12H	4H	15.3	16.1	15.8	16.5	17.0	15.1	15.9	15.6	16.3	16.8
	6H	15.9	16.5	16.4	17.0	17.5	15.7	16.3	16.2	16.8	17.3
	8H	16.2	16.7	16.7	17.2	17.8	16.0	16.5	16.5	17.0	17.6

(END OF REPORT)