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: P1471767

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471767
	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-B
Description:	3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2687.9 lumens
Efficiency:	N/A
Efficacy:	113.4 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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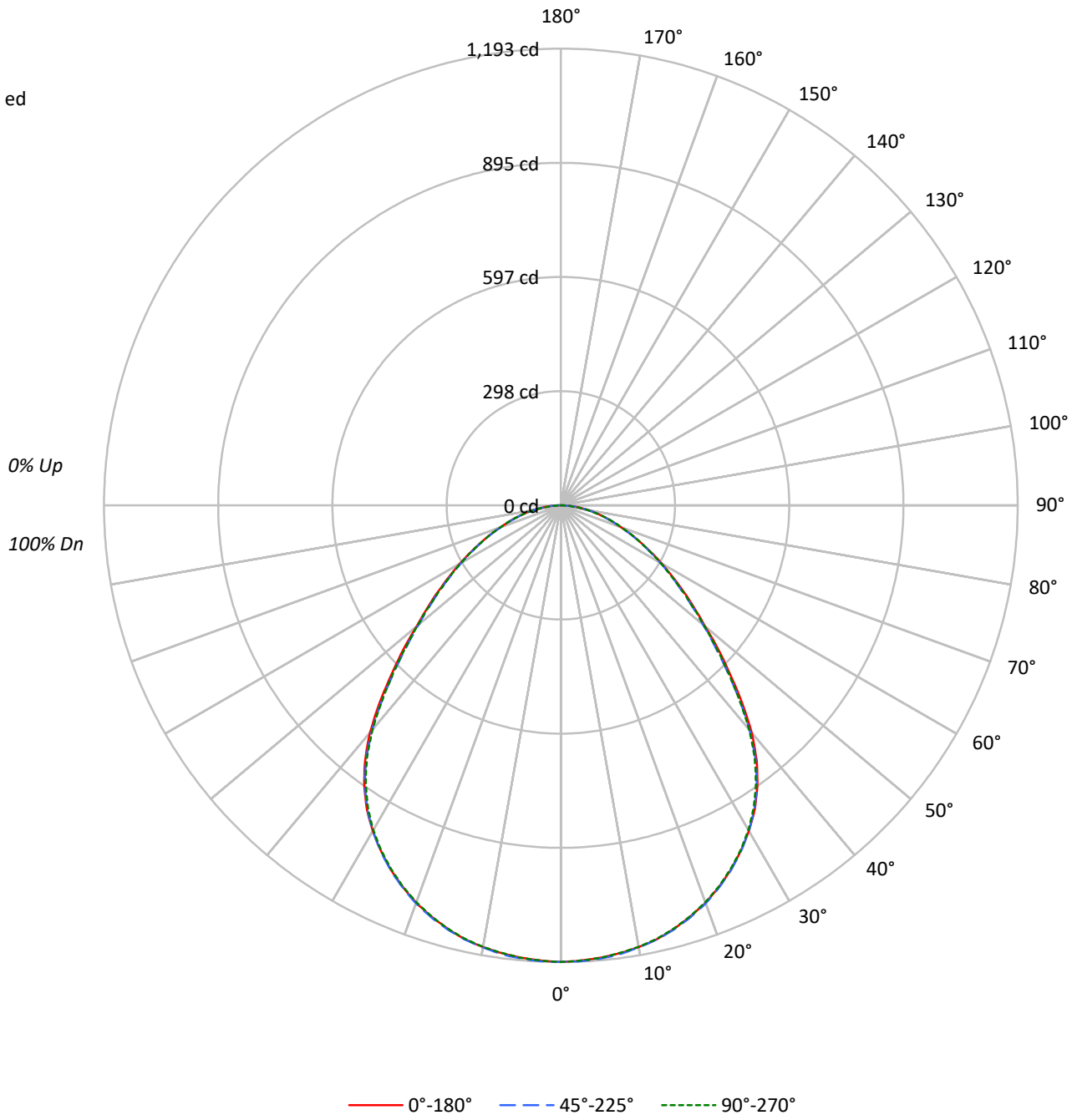
Luminous Intensity Polar Plot



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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°	1605	1605	1605
5°	1602	1605	1603
10°	1601	1602	1600
15°	1594	1597	1593
20°	1582	1584	1579
25°	1560	1561	1556
30°	1526	1526	1522
35°	1470	1466	1459
40°	1362	1347	1343
45°	1190	1171	1176
50°	1028	1015	1021
55°	913	900	902
60°	818	806	806
65°	733	728	730
70°	659	653	659
75°	612	603	612
80°	571	564	545
85°	483	483	431

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1190 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	4.2
10°-20°	323.2	12.0
20°-30°	483.5	18.0
30°-40°	554.0	20.6
40°-50°	479.1	17.8
50°-60°	346.8	12.9
60°-70°	228.4	8.5
70°-80°	124.3	4.6
80°-90°	35.6	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°	919.6	34.2
0°-40°	1473.6	54.8
0°-60°	2299.5	85.6
0°-90°	2687.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2687.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1186	1189	1189	1189	1187	113
15°	1145	1146	1146	1148	1144	323
25°	1051	1051	1052	1052	1048	483
35°	895	894	892	892	888	556
45°	626	624	616	615	618	484
55°	389	388	384	381	384	351
65°	230	232	229	227	229	230
75°	118	118	116	116	118	125
85°	31	31	31	32	28	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1192.9*	*1192.9*	*1192.9*	*1192.9*	*1192.9*
2.5°	*1190.3*	1192.9	1192.0	1192.9	1190.3
5°	*1186.1*	1188.6	1188.6	1188.6	1186.9
7.5°	*1180.2*	1181.9	1182.7	1183.6	1179.3
10°	*1171.7*	1173.4	1172.5	1174.2	1170.9
12.5°	*1160.7*	1160.7	1161.5	1163.2	1159.8
15°	*1144.6*	1145.5	1146.3	1148.0	1143.8
17.5°	*1126.0*	1126.8	1127.7	1128.5	1125.1
20°	*1104.8*	1104.8	1106.5	1107.4	1103.1
22.5°	*1078.6*	1078.6	1080.3	1082.8	1077.7
25°	*1050.6*	1050.6	1051.5	1052.3	1048.1
27.5°	*1017.6*	1017.6	1018.5	1021.0	1015.9
30°	*982.1*	981.2	982.1	982.9	979.5
32.5°	*942.3*	941.4	940.6	941.4	937.2
35°	*894.9*	894.0	892.3	891.5	888.1
37.5°	*839.8*	838.1	834.8	834.8	831.4
40°	*775.5*	771.3	767.0	765.3	764.5
42.5°	*701.0*	697.6	691.7	690.8	690.8
45°	*625.6*	623.9	615.5	614.6	618.0
47.5°	*557.9*	553.7	546.1	544.4	549.4
50°	*491.0*	491.9	485.1	482.6	487.6
52.5°	*438.5*	436.8	430.9	429.2	433.5
55°	*389.4*	387.7	383.5	381.0	384.4
57.5°	*344.6*	343.7	339.5	338.6	340.3
60°	*303.9*	303.1	299.7	298.9	299.7
62.5°	*265.8*	265.8	262.4	260.8	263.3
65°	*230.3*	232.0	228.6	226.9	229.4
67.5°	*198.1*	199.8	196.4	194.7	198.1
70°	*167.6*	169.3	165.9	164.2	167.6
72.5°	*141.4*	142.2	139.7	138.8	143.1
75°	*117.7*	117.7	116.0	116.0	117.7
77.5°	*95.7*	94.8	94.0	94.0	92.3
80°	*73.7*	72.8	72.8	72.8	70.3
82.5°	*52.5*	50.8	51.6	52.5	48.3
85°	*31.3*	31.3	31.3	32.2	27.9
87.5°	*12.7*	12.7	11.9	12.7	11.0
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	10.9	12.4	11.3	12.7	13.0	10.8	12.3	11.2	12.6	12.9
	3H	12.3	13.7	12.7	14.0	14.4	12.2	13.6	12.6	13.9	14.3
	4H	12.9	14.2	13.3	14.5	14.9	12.8	14.1	13.2	14.4	14.8
	6H	13.3	14.5	13.7	14.9	15.3	13.2	14.4	13.6	14.8	15.2
	8H	13.5	14.6	13.9	15.0	15.4	13.4	14.5	13.8	14.9	15.3
	12H	13.6	14.6	14.0	15.0	15.4	13.4	14.5	13.9	14.9	15.3
4H	2H	11.4	12.7	11.8	13.0	13.4	11.3	12.6	11.7	12.9	13.3
	3H	13.1	14.1	13.5	14.5	14.9	13.0	14.0	13.4	14.4	14.8
	4H	13.7	14.7	14.2	15.1	15.5	13.6	14.6	14.1	15.0	15.4
	6H	14.3	15.1	14.7	15.6	16.0	14.2	15.0	14.7	15.5	15.9
	8H	14.5	15.3	14.9	15.7	16.2	14.4	15.1	14.8	15.6	16.1
	12H	14.6	15.3	15.1	15.8	16.3	14.5	15.2	15.0	15.7	16.1
8H	4H	14.0	14.7	14.4	15.2	15.7	13.9	14.7	14.4	15.1	15.6
	6H	14.7	15.3	15.2	15.8	16.3	14.6	15.2	15.1	15.7	16.2
	8H	14.9	15.5	15.4	16.0	16.5	14.8	15.4	15.4	15.9	16.4
	12H	15.1	15.6	15.6	16.1	16.7	15.0	15.5	15.5	16.0	16.6
12H	4H	14.0	14.7	14.5	15.2	15.6	13.9	14.6	14.4	15.1	15.6
	6H	14.7	15.3	15.2	15.8	16.3	14.6	15.2	15.2	15.7	16.2
	8H	15.0	15.5	15.5	16.0	16.6	14.9	15.4	15.5	15.9	16.5

(END OF REPORT)