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: P1471633

Luminaire Tested: 14PTR-20S-PB1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471633
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14PTR-20S-PB1-L835-UNV-STD-B
Description:	2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1410.9 lumens
Efficiency:	N/A
Efficacy:	86.0 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.25 / 1.34
Luminous Opening:	Rectangular (W 1' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	16.4
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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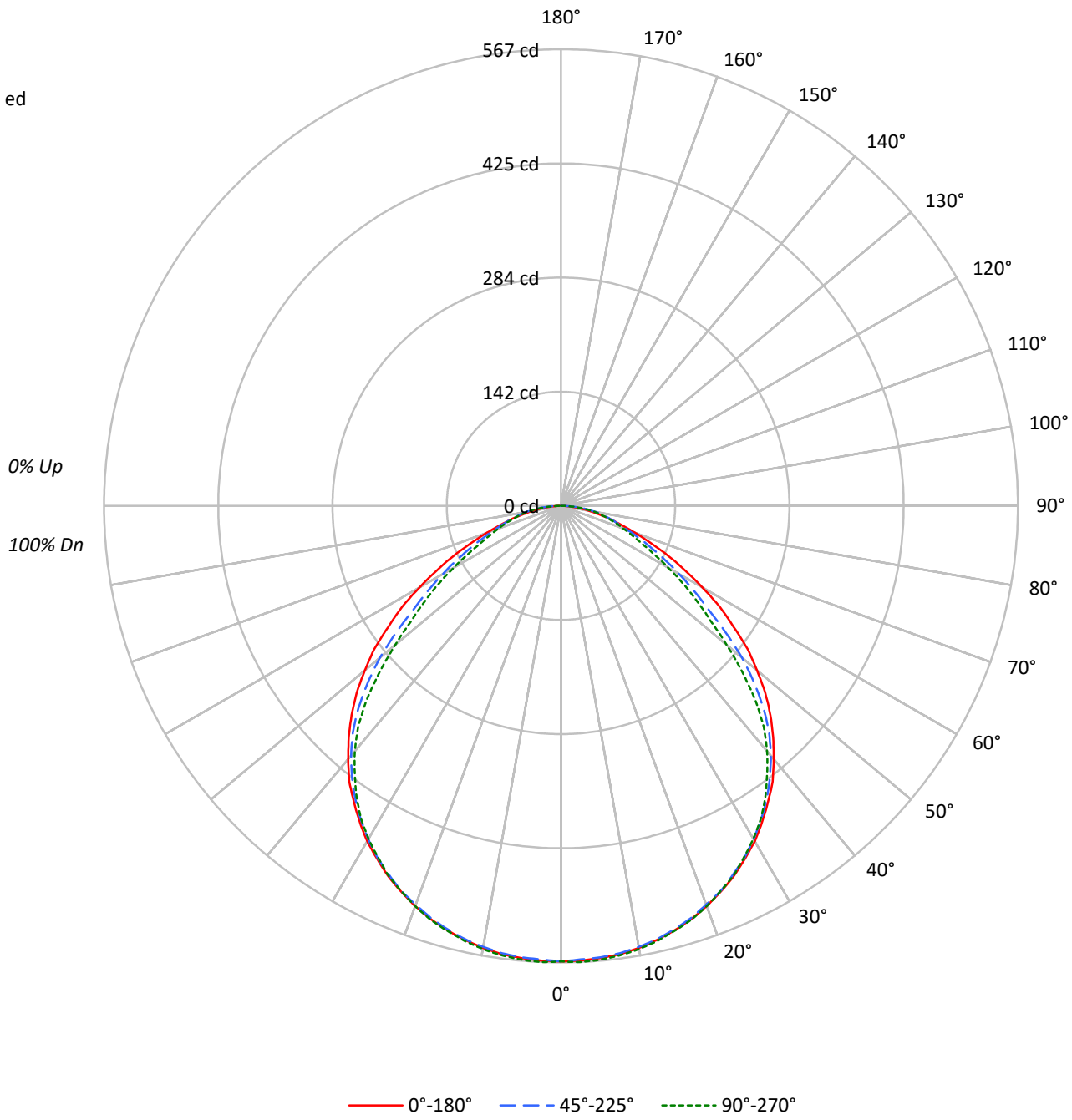
Luminous Intensity Polar Plot



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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	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1523	1523	1523
5°	1523	1521	1528
10°	1523	1520	1527
15°	1520	1516	1522
20°	1515	1509	1515
25°	1507	1500	1504
30°	1494	1486	1483
35°	1472	1461	1452
40°	1442	1423	1398
45°	1398	1353	1298
50°	1329	1227	1122
55°	1225	1042	966
60°	1090	910	828
65°	935	789	705
70°	772	696	646
75°	651	665	630
80°	550	679	648
85°	432	689	602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1398 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	3.8
10°-20°	153.9	10.9
20°-30°	233.2	16.5
30°-40°	277.9	19.7
40°-50°	271.7	19.3
50°-60°	205.5	14.6
60°-70°	126.3	8.9
70°-80°	67.3	4.8
80°-90°	21.5	1.5
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°	440.8	31.2
0°-40°	718.7	50.9
0°-60°	1195.9	84.8
0°-90°	1410.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1410.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	566	566	566	566	566	
5°	564	564	563	565	566	54
15°	546	546	544	546	546	154
25°	507	507	505	506	507	234
35°	448	448	445	443	442	280
45°	367	365	356	344	341	283
55°	261	248	222	210	206	234
65°	147	135	124	114	111	146
75°	63	63	64	62	61	67
85°	14	18	22	21	20	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	565.8	565.8	565.8	565.8	*565.8*
2.5°	*565.2*	*565.8*	*563.7*	*566.6*	*567.2*
5°	563.7	564.4	563.0	565.2	*565.8*
7.5°	561.7	561.7	560.3	562.3	*563.0*
10°	557.5	557.5	556.1	558.2	*558.9*
12.5°	551.9	551.9	551.2	552.6	*553.3*
15°	545.7	546.3	544.3	546.3	*546.3*
17.5°	538.0	537.3	536.6	538.0	*538.7*
20°	528.9	528.9	526.9	528.3	*528.9*
22.5°	518.5	518.5	517.8	518.5	*517.8*
25°	507.4	506.6	505.3	506.0	*506.6*
27.5°	494.1	494.1	492.8	492.8	*492.0*
30°	480.9	480.2	478.1	476.8	*477.4*
32.5°	464.9	464.2	462.1	460.8	*461.4*
35°	448.2	447.5	444.8	442.6	*442.0*
37.5°	431.5	429.4	425.9	423.1	*420.3*
40°	410.6	408.5	405.1	398.8	*398.1*
42.5°	389.7	387.7	382.1	374.5	*372.3*
45°	367.4	365.4	355.6	343.8	*341.0*
47.5°	343.8	340.3	325.0	310.4	*304.8*
50°	317.4	311.1	293.0	274.2	*267.9*
52.5°	291.6	280.5	256.8	240.1	*233.9*
55°	261.0	247.8	222.0	209.5	*206.0*
57.5°	233.9	215.8	194.9	182.4	*179.6*
60°	202.5	185.8	169.1	158.0	*153.8*
62.5°	174.0	159.4	145.5	135.7	*130.9*
65°	146.9	135.0	123.9	114.1	*110.7*
67.5°	120.4	114.1	105.1	97.5	*95.4*
70°	98.1	94.6	88.4	84.9	*82.1*
72.5°	78.0	79.3	75.2	73.8	*71.7*
75°	62.6	63.3	64.0	62.0	*60.6*
77.5°	47.3	50.8	53.6	52.2	*50.8*
80°	35.5	38.9	43.8	41.8	*41.8*
82.5°	24.3	28.6	32.7	31.3	*30.6*
85°	14.0	18.1	22.3	20.9	*19.5*
87.5°	5.6	9.1	9.7	9.7	*9.1*
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	12.4	13.9	12.7	14.2	14.5	11.1	12.6	11.4	12.9	13.2
	3H	13.6	15.0	14.0	15.3	15.7	12.3	13.7	12.7	14.0	14.4
	4H	14.0	15.3	14.4	15.7	16.0	12.9	14.2	13.3	14.5	14.9
	6H	14.3	15.5	14.7	15.9	16.3	13.4	14.6	13.8	14.9	15.3
	8H	14.4	15.5	14.8	15.9	16.3	13.6	14.7	14.0	15.1	15.5
	12H	14.4	15.5	14.9	15.9	16.3	13.7	14.8	14.1	15.2	15.6
4H	2H	12.7	14.0	13.1	14.3	14.7	11.6	12.9	12.0	13.2	13.6
	3H	14.1	15.2	14.5	15.6	16.0	13.1	14.2	13.5	14.6	15.0
	4H	14.7	15.7	15.1	16.1	16.5	13.8	14.8	14.2	15.2	15.6
	6H	15.1	15.9	15.6	16.4	16.8	14.4	15.3	14.9	15.7	16.2
	8H	15.2	16.0	15.7	16.5	16.9	14.7	15.5	15.1	15.9	16.4
	12H	15.3	16.0	15.8	16.5	17.0	14.9	15.6	15.3	16.1	16.5
8H	4H	14.9	15.7	15.3	16.1	16.6	14.1	14.9	14.5	15.3	15.8
	6H	15.4	16.1	15.9	16.6	17.1	14.9	15.5	15.4	16.0	16.5
	8H	15.6	16.2	16.2	16.7	17.2	15.2	15.8	15.7	16.3	16.8
	12H	15.8	16.3	16.3	16.8	17.4	15.5	16.0	16.0	16.5	17.1
12H	4H	14.9	15.6	15.4	16.1	16.6	14.1	14.8	14.6	15.3	15.8
	6H	15.5	16.1	16.0	16.6	17.1	15.0	15.6	15.5	16.0	16.6
	8H	15.8	16.3	16.3	16.8	17.3	15.4	15.9	15.9	16.4	16.9

(END OF REPORT)