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: P1471645

Luminaire Tested: 14PTR-20S-PW1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471645
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14PTR-20S-PW1-L835-UNV-STD-B
Description:	2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens Black Reces
	Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1439.1 lumens
Efficiency:	N/A
Efficacy:	87.8 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.24 / 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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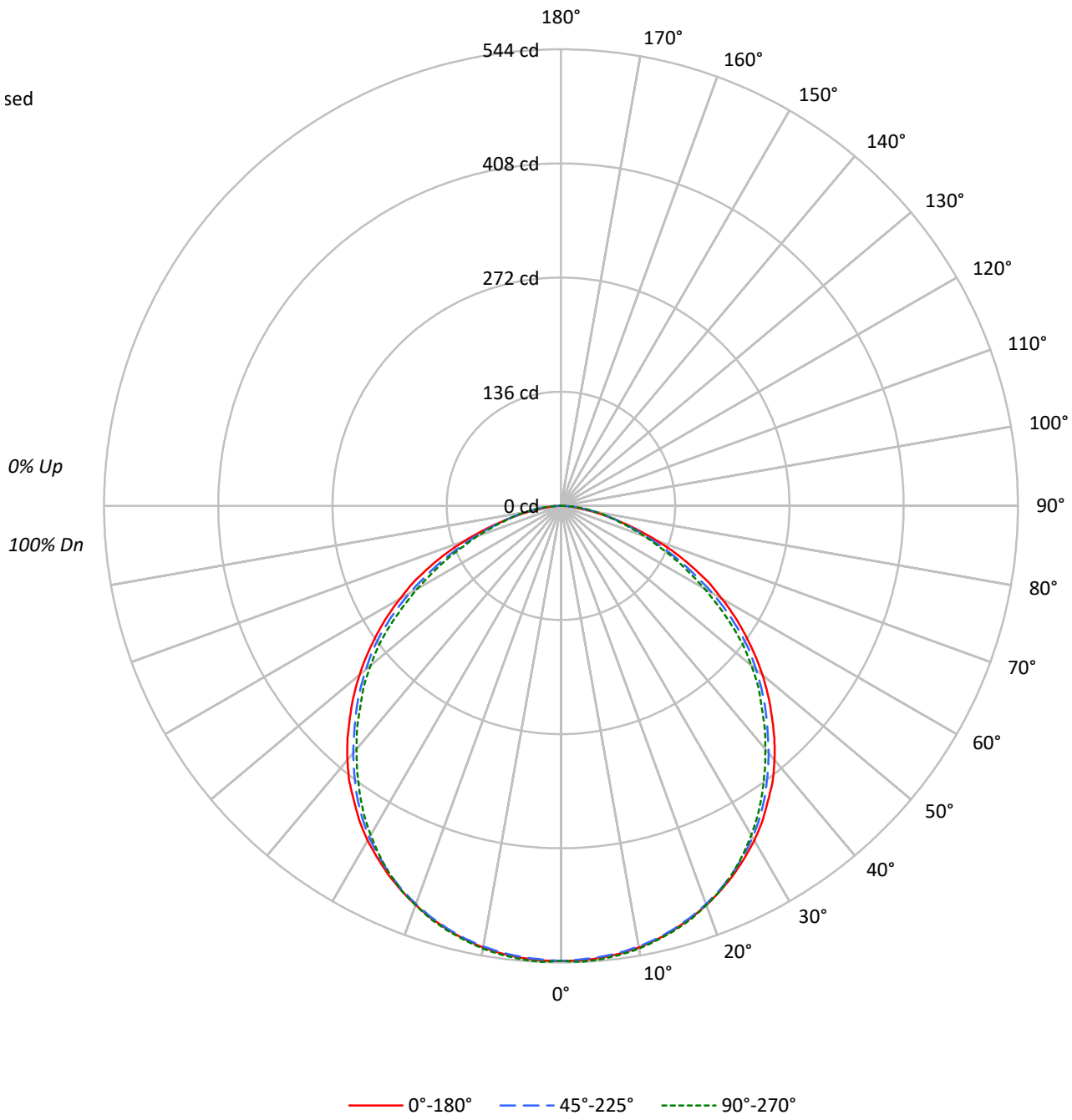
Luminous Intensity Polar Plot



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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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1459	1459	1459
5°	1461	1457	1465
10°	1460	1457	1464
15°	1455	1453	1459
20°	1449	1446	1449
25°	1442	1435	1434
30°	1431	1418	1408
35°	1411	1390	1372
40°	1390	1352	1330
45°	1351	1311	1285
50°	1310	1268	1238
55°	1256	1213	1165
60°	1190	1121	1062
65°	1102	1000	951
70°	955	871	838
75°	762	745	725
80°	580	648	648
85°	429	553	553

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1351 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	3.6
10°-20°	147.5	10.2
20°-30°	222.9	15.5
30°-40°	264.7	18.4
40°-50°	266.7	18.5
50°-60°	230.5	16.0
60°-70°	157.5	10.9
70°-80°	77.7	5.4
80°-90°	20.1	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°	421.9	29.3
0°-40°	686.6	47.7
0°-60°	1183.8	82.3
0°-90°	1439.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1439.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	542	542	542	542	542	
5°	541	541	540	542	542	51
15°	522	523	522	523	524	147
25°	486	485	483	484	483	224
35°	430	428	423	419	418	269
45°	355	351	345	340	338	274
55°	268	267	259	251	248	239
65°	173	167	157	150	149	171
75°	73	73	72	72	70	80
85°	14	16	18	18	18	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	542.3	542.3	542.3	542.3	*542.3*
2.5°	*542.1*	*542.3*	*540.9*	*543.3*	*543.9*
5°	540.7	540.9	539.5	541.7	*542.3*
7.5°	538.1	538.5	536.9	539.1	*539.5*
10°	534.3	534.5	533.1	535.3	*535.7*
12.5°	529.1	529.2	528.0	530.0	*530.0*
15°	522.4	523.0	521.6	523.4	*523.6*
17.5°	515.0	515.2	513.8	515.8	*516.2*
20°	506.1	506.1	505.0	506.6	*506.1*
22.5°	496.3	496.3	494.9	495.7	*496.1*
25°	485.5	485.0	483.4	483.9	*483.1*
27.5°	473.0	473.0	470.1	470.1	*468.8*
30°	460.4	459.3	456.3	454.5	*453.1*
32.5°	445.8	444.4	440.6	437.4	*436.4*
35°	429.6	428.2	423.1	419.3	*417.7*
37.5°	413.9	410.7	404.1	400.3	*398.4*
40°	395.6	391.6	384.8	379.5	*378.7*
42.5°	376.0	372.7	363.9	360.0	*359.1*
45°	355.1	351.2	344.6	340.5	*337.6*
47.5°	334.6	331.7	324.1	319.3	*318.3*
50°	313.0	310.6	302.8	297.6	*295.8*
52.5°	290.7	289.1	282.5	275.9	*273.7*
55°	267.7	266.9	258.6	251.0	*248.3*
57.5°	245.0	243.9	233.7	224.8	*222.4*
60°	221.2	218.2	208.2	199.9	*197.3*
62.5°	198.7	192.3	181.4	175.0	*172.0*
65°	173.0	166.8	157.1	150.3	*149.3*
67.5°	147.7	140.3	132.8	128.6	*125.4*
70°	121.4	116.3	110.7	107.1	*106.5*
72.5°	96.8	93.2	90.4	88.2	*86.4*
75°	73.3	72.7	71.7	71.7	*69.7*
77.5°	53.9	55.3	56.1	55.9	*56.3*
80°	37.4	40.2	41.8	42.0	*41.8*
82.5°	23.7	26.9	29.6	29.9	*30.4*
85°	13.9	16.3	17.9	18.3	*17.9*
87.5°	6.2	7.8	8.3	8.6	*8.3*
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	13.0	14.6	13.4	14.9	15.2	12.4	14.0	12.8	14.3	14.6
	3H	14.5	15.9	14.8	16.2	16.6	13.8	15.2	14.2	15.6	15.9
	4H	14.9	16.3	15.3	16.6	17.0	14.3	15.6	14.7	16.0	16.3
	6H	15.2	16.4	15.6	16.8	17.2	14.6	15.9	15.0	16.2	16.6
	8H	15.2	16.4	15.6	16.8	17.2	14.7	15.9	15.2	16.3	16.7
	12H	15.2	16.4	15.7	16.8	17.2	14.8	16.0	15.3	16.3	16.8
4H	2H	13.5	14.8	13.9	15.2	15.5	13.0	14.3	13.4	14.7	15.0
	3H	15.1	16.2	15.5	16.6	17.0	14.6	15.7	15.0	16.1	16.5
	4H	15.7	16.7	16.1	17.1	17.5	15.1	16.2	15.6	16.6	17.0
	6H	16.0	16.9	16.5	17.3	17.8	15.6	16.5	16.1	16.9	17.4
	8H	16.1	16.9	16.6	17.4	17.8	15.8	16.6	16.2	17.0	17.5
	12H	16.2	16.9	16.6	17.4	17.9	15.9	16.6	16.4	17.1	17.6
8H	4H	15.8	16.7	16.3	17.1	17.6	15.4	16.2	15.8	16.7	17.1
	6H	16.3	17.0	16.8	17.5	18.0	16.0	16.6	16.5	17.1	17.6
	8H	16.4	17.1	17.0	17.6	18.1	16.2	16.8	16.7	17.3	17.8
	12H	16.6	17.1	17.1	17.6	18.2	16.4	16.9	16.9	17.4	18.0
12H	4H	15.9	16.6	16.3	17.1	17.5	15.4	16.1	15.9	16.6	17.1
	6H	16.3	17.0	16.9	17.4	18.0	16.0	16.6	16.5	17.1	17.6
	8H	16.5	17.1	17.0	17.6	18.1	16.3	16.8	16.8	17.3	17.9

(END OF REPORT)