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: P1471643

Luminaire Tested: 14PTR-20S-PR1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471643
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14PTR-20S-PR1-L835-UNV-STD-B
Description:	2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1419.4 lumens
Efficiency:	N/A
Efficacy:	86.5 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.26 / 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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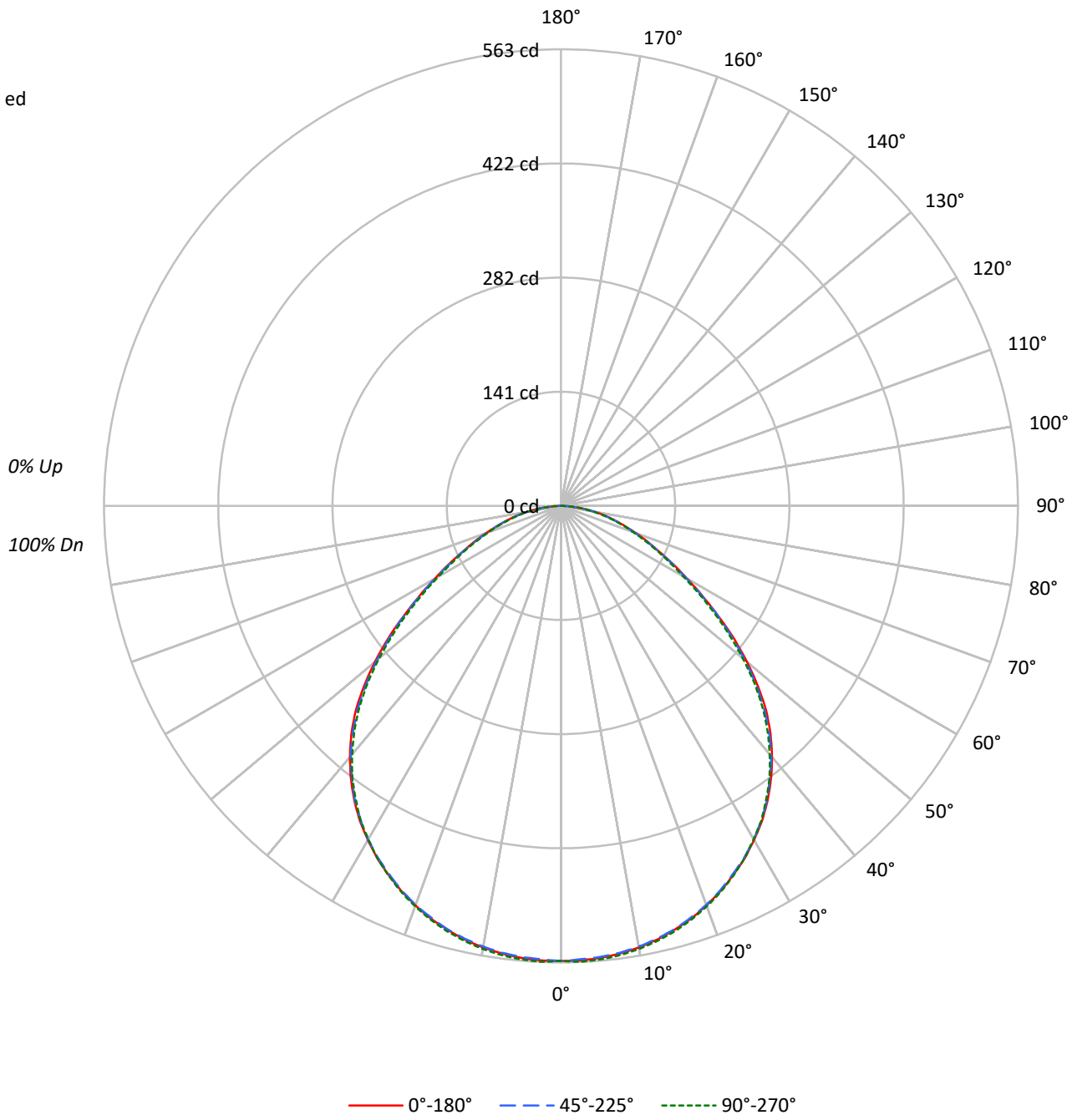
Luminous Intensity Polar Plot



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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	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1510	1510	1510
5°	1512	1508	1517
10°	1511	1508	1516
15°	1507	1505	1512
20°	1501	1499	1505
25°	1491	1488	1493
30°	1478	1476	1475
35°	1458	1455	1448
40°	1421	1415	1405
45°	1362	1346	1337
50°	1253	1239	1224
55°	1109	1104	1082
60°	964	960	934
65°	849	844	828
70°	770	759	744
75°	713	697	684
80°	651	642	621
85°	516	509	491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1362 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	3.8
10°-20°	152.8	10.8
20°-30°	231.5	16.3
30°-40°	276.3	19.5
40°-50°	271.8	19.1
50°-60°	210.0	14.8
60°-70°	132.5	9.3
70°-80°	71.6	5.0
80°-90°	19.6	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°	437.5	30.8
0°-40°	713.9	50.3
0°-60°	1195.7	84.2
0°-90°	1419.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1419.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	561	561	561	561	561	
5°	560	560	558	561	562	53
15°	541	541	540	542	543	153
25°	502	503	501	503	503	232
35°	444	444	443	442	441	277
45°	358	356	354	351	351	274
55°	236	238	235	232	231	212
65°	133	134	133	130	130	134
75°	69	68	67	67	66	73
85°	17	17	16	17	16	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	561.2	561.2	561.2	561.2	*561.2*
2.5°	*561.0*	*561.2*	*559.6*	*562.3*	*562.8*
5°	559.6	559.9	558.4	560.8	*561.5*
7.5°	556.8	557.2	555.8	558.2	*558.8*
10°	552.8	553.2	551.8	554.2	*554.8*
12.5°	547.8	547.9	546.8	549.0	*549.5*
15°	541.1	541.3	540.3	542.1	*542.9*
17.5°	533.5	533.7	532.3	534.5	*534.9*
20°	524.3	524.4	523.6	525.4	*525.6*
22.5°	514.0	514.4	513.1	514.8	*515.0*
25°	502.3	502.7	501.1	502.7	*502.9*
27.5°	490.1	490.2	488.8	490.1	*489.8*
30°	475.7	477.0	475.1	474.7	*474.6*
32.5°	460.9	461.0	459.3	458.8	*459.6*
35°	443.8	443.9	442.8	442.2	*440.9*
37.5°	425.1	425.1	422.8	422.4	*422.2*
40°	404.5	404.3	402.9	401.5	*400.1*
42.5°	382.2	382.6	379.8	377.4	*377.0*
45°	357.8	356.4	353.8	351.0	*351.3*
47.5°	329.1	329.5	325.9	323.6	*323.0*
50°	299.3	299.3	295.9	293.5	*292.3*
52.5°	268.2	268.4	265.2	261.9	*261.3*
55°	236.4	238.3	235.3	231.5	*230.7*
57.5°	206.6	208.2	205.4	201.4	*201.1*
60°	179.1	179.2	178.4	174.6	*173.6*
62.5°	155.5	154.5	154.1	152.1	*150.9*
65°	133.4	133.6	132.6	130.3	*130.0*
67.5°	115.5	115.3	113.4	112.0	*111.2*
70°	97.9	97.4	96.5	95.4	*94.6*
72.5°	82.3	82.3	81.6	81.3	*79.9*
75°	68.6	67.8	67.0	67.4	*65.8*
77.5°	55.5	54.7	54.1	53.3	*52.9*
80°	42.0	41.2	41.4	40.2	*40.1*
82.5°	29.2	29.2	28.8	27.8	*28.0*
85°	16.7	16.9	16.5	16.7	*15.9*
87.5°	6.1	6.2	6.7	6.2	*6.2*
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	12.0	13.5	12.3	13.8	14.2	11.7	13.3	12.1	13.6	13.9
	3H	13.3	14.7	13.7	15.0	15.4	13.1	14.5	13.5	14.8	15.2
	4H	13.8	15.1	14.2	15.5	15.9	13.6	14.9	14.0	15.3	15.7
	6H	14.2	15.5	14.6	15.8	16.2	14.0	15.2	14.4	15.6	16.0
	8H	14.4	15.5	14.8	15.9	16.3	14.1	15.3	14.6	15.7	16.1
	12H	14.4	15.6	14.9	15.9	16.4	14.2	15.3	14.6	15.7	16.1
4H	2H	12.4	13.7	12.8	14.1	14.4	12.2	13.5	12.6	13.9	14.3
	3H	14.0	15.1	14.4	15.5	15.9	13.8	14.9	14.2	15.3	15.7
	4H	14.6	15.6	15.1	16.0	16.5	14.5	15.4	14.9	15.9	16.3
	6H	15.2	16.0	15.6	16.5	16.9	15.0	15.8	15.4	16.3	16.7
	8H	15.4	16.2	15.8	16.6	17.1	15.2	16.0	15.6	16.4	16.9
	12H	15.5	16.2	16.0	16.7	17.1	15.3	16.0	15.8	16.5	16.9
8H	4H	14.9	15.7	15.3	16.1	16.6	14.7	15.5	15.2	16.0	16.4
	6H	15.5	16.2	16.0	16.7	17.2	15.4	16.0	15.9	16.5	17.0
	8H	15.8	16.4	16.3	16.9	17.4	15.6	16.2	16.1	16.7	17.2
	12H	16.0	16.5	16.5	17.0	17.5	15.8	16.3	16.3	16.8	17.4
12H	4H	14.9	15.6	15.4	16.1	16.6	14.7	15.5	15.2	15.9	16.4
	6H	15.6	16.2	16.1	16.6	17.2	15.4	16.0	15.9	16.5	17.0
	8H	15.9	16.4	16.4	16.9	17.5	15.7	16.2	16.2	16.7	17.3

(END OF REPORT)