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: P1471646

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471646
	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-W
Description:	2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens White Rece Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1667.3 lumens
Efficiency:	N/A
Efficacy:	101.7 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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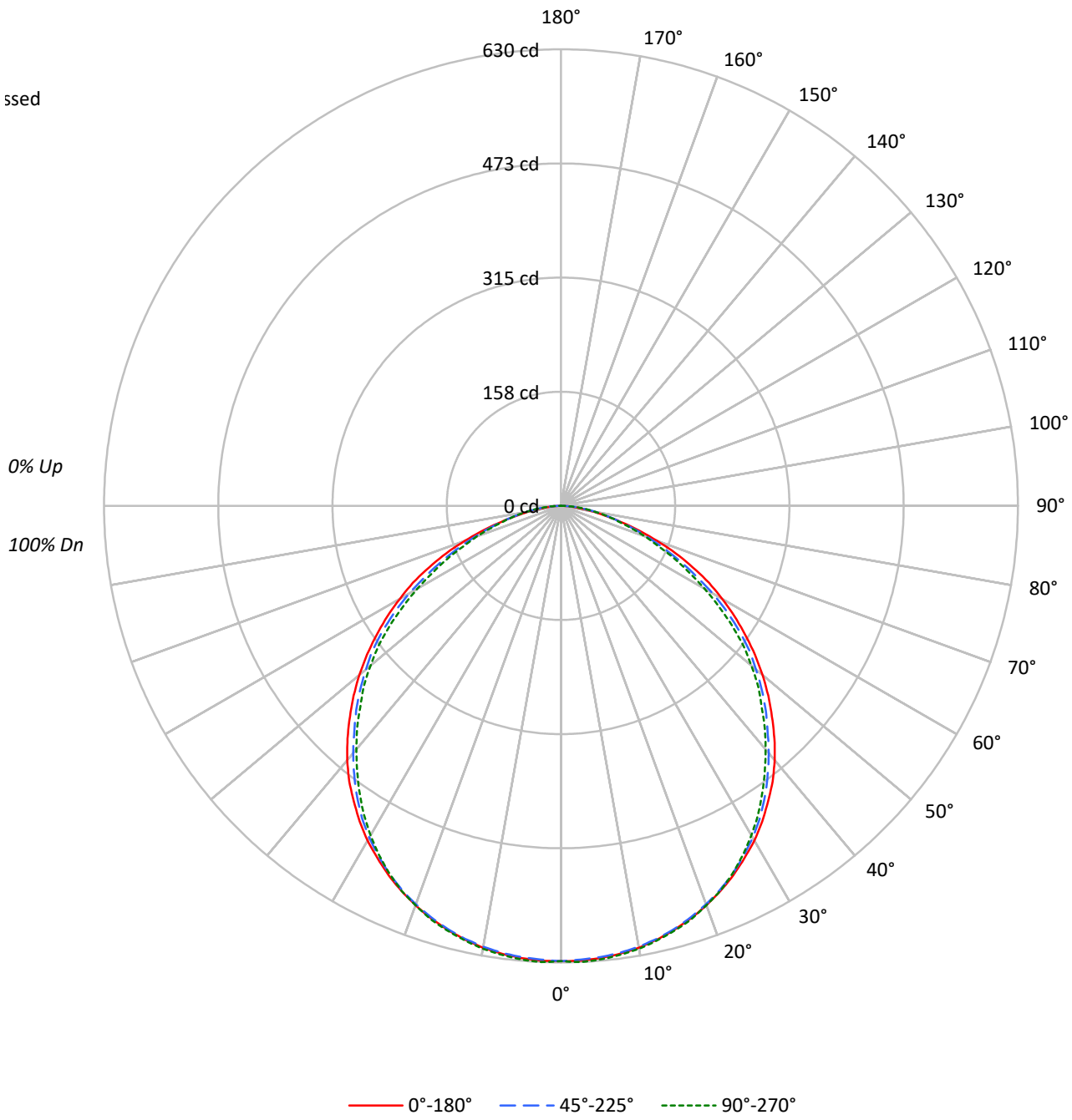
Luminous Intensity Polar Plot



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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	48	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°	1691	1691	1691
5°	1692	1688	1697
10°	1691	1688	1696
15°	1686	1684	1690
20°	1679	1675	1679
25°	1670	1663	1662
30°	1657	1643	1631
35°	1635	1610	1590
40°	1610	1566	1541
45°	1566	1519	1488
50°	1518	1469	1435
55°	1455	1406	1350
60°	1379	1298	1230
65°	1276	1159	1102
70°	1106	1009	971
75°	883	864	840
80°	671	750	750
85°	497	639	639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1566 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	3.6
10°-20°	170.9	10.2
20°-30°	258.3	15.5
30°-40°	306.7	18.4
40°-50°	309.0	18.5
50°-60°	267.1	16.0
60°-70°	182.5	10.9
70°-80°	90.0	5.4
80°-90°	23.3	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°	488.8	29.3
0°-40°	795.4	47.7
0°-60°	1371.5	82.3
0°-90°	1667.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1667.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	628	628	628	628	628	
5°	626	627	625	628	628	60
15°	605	606	604	606	607	171
25°	562	562	560	561	560	259
35°	498	496	490	486	484	312
45°	411	407	399	394	391	317
55°	310	309	300	291	288	277
65°	200	193	182	174	173	198
75°	85	84	83	83	81	93
85°	16	19	21	21	21	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	628.3	628.3	628.3	628.3	*628.3*
2.5°	*628.1*	*628.3*	*626.7*	*629.4*	*630.1*
5°	626.4	626.7	625.0	627.6	*628.3*
7.5°	623.4	623.9	622.0	624.5	*625.0*
10°	619.0	619.2	617.6	620.1	*620.6*
12.5°	612.9	613.1	611.8	614.0	*614.0*
15°	605.3	605.9	604.3	606.4	*606.6*
17.5°	596.6	596.9	595.3	597.6	*598.1*
20°	586.4	586.4	585.0	586.9	*586.4*
22.5°	575.0	575.0	573.4	574.3	*574.7*
25°	562.4	561.9	560.1	560.6	*559.7*
27.5°	548.0	548.0	544.7	544.7	*543.1*
30°	533.3	532.2	528.7	526.6	*525.0*
32.5°	516.5	514.9	510.5	506.8	*505.6*
35°	497.7	496.0	490.2	485.8	*483.9*
37.5°	479.5	475.8	468.1	463.7	*461.6*
40°	458.3	453.7	445.8	439.7	*438.8*
42.5°	435.6	431.8	421.6	417.1	*416.0*
45°	411.4	406.9	399.2	394.5	*391.1*
47.5°	387.6	384.3	375.5	369.9	*368.7*
50°	362.6	359.9	350.8	344.8	*342.7*
52.5°	336.8	335.0	327.3	319.6	*317.0*
55°	310.1	309.2	299.6	290.7	*287.7*
57.5°	283.8	282.6	270.7	260.5	*257.7*
60°	256.3	252.8	241.2	231.6	*228.6*
62.5°	230.3	222.8	210.2	202.8	*199.3*
65°	200.4	193.2	182.0	174.1	*173.0*
67.5°	171.1	162.5	153.9	149.0	*145.2*
70°	140.6	134.8	128.2	124.1	*123.4*
72.5°	112.2	108.0	104.7	102.2	*100.1*
75°	84.9	84.3	83.1	83.1	*80.8*
77.5°	62.4	64.0	65.0	64.7	*65.2*
80°	43.3	46.5	48.4	48.6	*48.4*
82.5°	27.5	31.2	34.3	34.7	*35.2*
85°	16.1	18.9	20.7	21.1	*20.7*
87.5°	7.2	9.1	9.6	10.0	*9.6*
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	13.5	15.1	13.9	15.4	15.7	12.9	14.5	13.3	14.8	15.1
	3H	15.0	16.4	15.4	16.7	17.1	14.3	15.7	14.7	16.1	16.4
	4H	15.4	16.8	15.8	17.1	17.5	14.8	16.1	15.2	16.5	16.9
	6H	15.7	16.9	16.1	17.3	17.7	15.1	16.4	15.5	16.8	17.1
	8H	15.7	16.9	16.2	17.3	17.7	15.3	16.5	15.7	16.8	17.2
	12H	15.8	16.9	16.2	17.3	17.7	15.3	16.5	15.8	16.9	17.3
4H	2H	14.0	15.3	14.4	15.7	16.0	13.5	14.8	13.9	15.2	15.6
	3H	15.6	16.7	16.0	17.1	17.5	15.1	16.2	15.5	16.6	17.0
	4H	16.2	17.2	16.6	17.6	18.0	15.7	16.7	16.1	17.1	17.5
	6H	16.5	17.4	17.0	17.9	18.3	16.1	17.0	16.6	17.5	17.9
	8H	16.6	17.4	17.1	17.9	18.4	16.3	17.1	16.7	17.6	18.0
	12H	16.7	17.4	17.2	17.9	18.4	16.4	17.1	16.9	17.6	18.1
8H	4H	16.4	17.2	16.8	17.6	18.1	15.9	16.7	16.4	17.2	17.6
	6H	16.8	17.5	17.3	18.0	18.5	16.5	17.2	17.0	17.6	18.1
	8H	17.0	17.6	17.5	18.1	18.6	16.7	17.3	17.2	17.8	18.3
	12H	17.1	17.6	17.6	18.1	18.7	16.9	17.4	17.4	17.9	18.5
12H	4H	16.4	17.1	16.8	17.6	18.1	15.9	16.7	16.4	17.1	17.6
	6H	16.8	17.5	17.4	17.9	18.5	16.5	17.1	17.0	17.6	18.1
	8H	17.0	17.6	17.5	18.1	18.6	16.8	17.3	17.3	17.8	18.4

(END OF REPORT)