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: P1471644

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471644
	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-W
Description:	2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1644.4 lumens
Efficiency:	N/A
Efficacy:	100.3 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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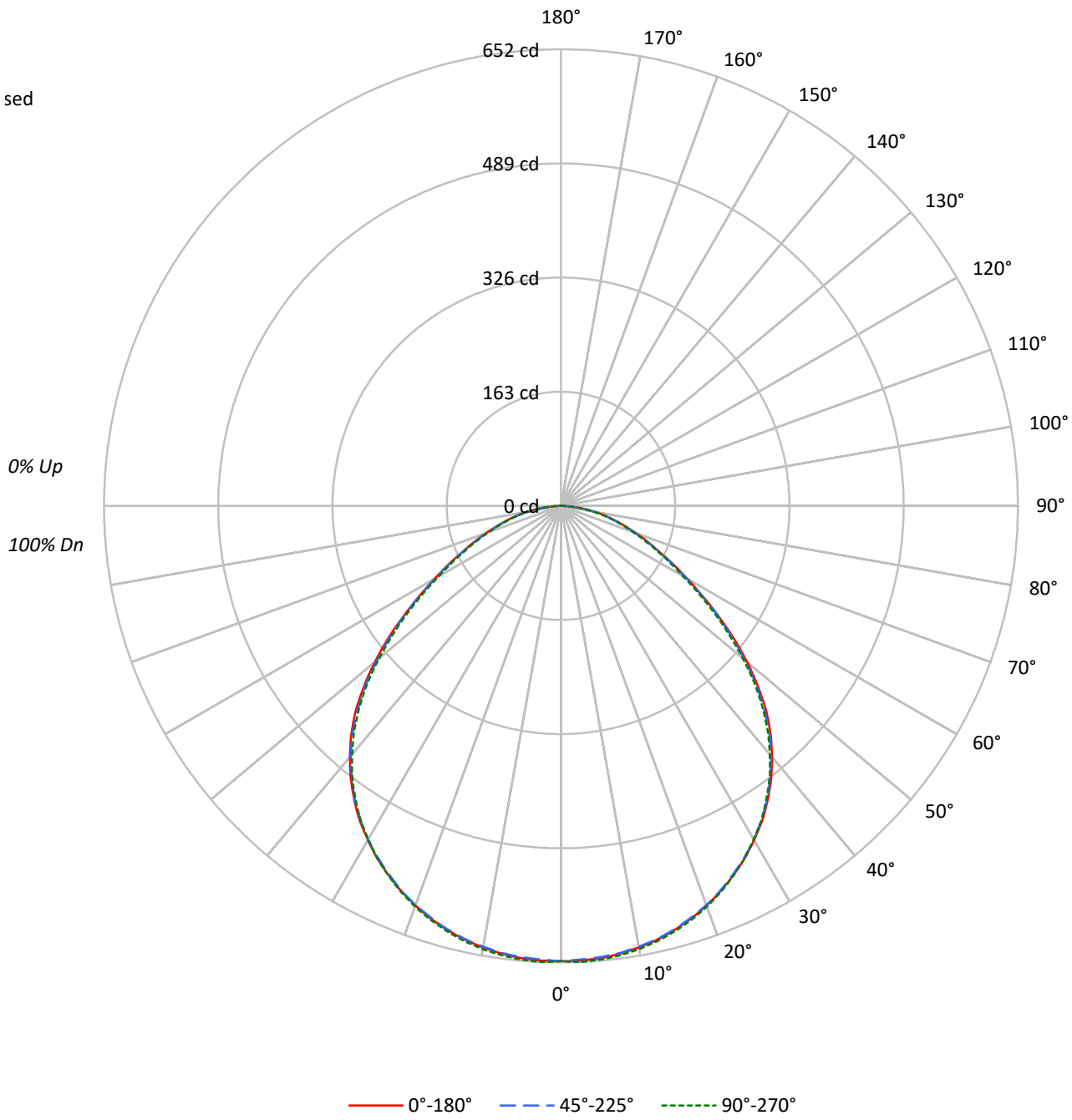
Luminous Intensity Polar Plot



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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°	1750	1750	1750
5°	1751	1747	1757
10°	1750	1747	1756
15°	1746	1744	1752
20°	1739	1737	1744
25°	1728	1724	1730
30°	1712	1711	1708
35°	1689	1685	1678
40°	1646	1640	1628
45°	1578	1560	1549
50°	1451	1435	1418
55°	1285	1279	1254
60°	1117	1112	1082
65°	984	978	959
70°	893	880	862
75°	827	807	792
80°	755	744	719
85°	596	590	568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1578 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	3.8
10°-20°	177.0	10.8
20°-30°	268.2	16.3
30°-40°	320.2	19.5
40°-50°	314.9	19.1
50°-60°	243.4	14.8
60°-70°	153.5	9.3
70°-80°	83.0	5.0
80°-90°	22.7	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°	506.9	30.8
0°-40°	827.1	50.3
0°-60°	1385.3	84.2
0°-90°	1644.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1644.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	650	650	650	650	650	
5°	648	649	647	650	650	62
15°	627	627	626	628	629	177
25°	582	582	580	582	583	268
35°	514	514	513	512	511	321
45°	415	413	410	407	407	317
55°	274	276	273	268	267	246
65°	154	155	154	151	151	155
75°	80	79	78	78	76	84
85°	19	20	19	19	18	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	650.2	650.2	650.2	650.2	*650.2*
2.5°	*650.0*	*650.2*	*648.4*	*651.4*	*652.1*
5°	648.4	648.6	646.9	649.7	*650.5*
7.5°	645.1	645.6	644.0	646.7	*647.4*
10°	640.4	640.9	639.3	642.1	*642.8*
12.5°	634.6	634.8	633.5	636.0	*636.7*
15°	626.9	627.1	626.0	628.0	*629.0*
17.5°	618.0	618.3	616.7	619.2	*619.7*
20°	607.4	607.5	606.6	608.7	*609.0*
22.5°	595.4	595.9	594.5	596.4	*596.6*
25°	582.0	582.4	580.5	582.4	*582.6*
27.5°	567.7	567.9	566.3	567.7	*567.5*
30°	551.1	552.6	550.5	550.0	*549.8*
32.5°	534.0	534.1	532.1	531.6	*532.5*
35°	514.1	514.3	513.0	512.3	*510.8*
37.5°	492.5	492.5	489.8	489.4	*489.2*
40°	468.7	468.4	466.8	465.2	*463.5*
42.5°	442.8	443.3	440.0	437.2	*436.8*
45°	414.6	413.0	409.9	406.7	*406.9*
47.5°	381.3	381.7	377.6	374.9	*374.3*
50°	346.7	346.7	342.8	340.1	*338.6*
52.5°	310.7	310.9	307.2	303.5	*302.7*
55°	273.8	276.1	272.7	268.3	*267.3*
57.5°	239.4	241.2	237.9	233.3	*233.0*
60°	207.5	207.6	206.7	202.3	*201.1*
62.5°	180.2	179.0	178.5	176.2	*174.8*
65°	154.5	154.8	153.6	151.0	*150.6*
67.5°	133.8	133.5	131.4	129.8	*128.9*
70°	113.5	112.8	111.9	110.5	*109.6*
72.5°	95.3	95.3	94.6	94.2	*92.5*
75°	79.5	78.6	77.6	78.1	*76.2*
77.5°	64.4	63.4	62.7	61.7	*61.3*
80°	48.7	47.8	48.0	46.6	*46.4*
82.5°	33.8	33.8	33.4	32.2	*32.4*
85°	19.3	19.6	19.1	19.3	*18.4*
87.5°	7.0	7.2	7.7	7.2	*7.2*
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	12.5	14.0	12.8	14.3	14.7	12.3	13.8	12.6	14.1	14.4
	3H	13.8	15.2	14.2	15.5	15.9	13.6	15.0	14.0	15.3	15.7
	4H	14.3	15.7	14.7	16.0	16.4	14.1	15.4	14.5	15.8	16.2
	6H	14.7	16.0	15.2	16.3	16.7	14.5	15.7	14.9	16.1	16.5
	8H	14.9	16.0	15.3	16.4	16.8	14.6	15.8	15.1	16.2	16.6
	12H	15.0	16.1	15.4	16.4	16.9	14.7	15.8	15.2	16.2	16.6
4H	2H	12.9	14.2	13.3	14.6	15.0	12.7	14.1	13.1	14.4	14.8
	3H	14.5	15.6	14.9	16.0	16.4	14.3	15.4	14.7	15.8	16.2
	4H	15.1	16.1	15.6	16.5	17.0	15.0	16.0	15.4	16.4	16.8
	6H	15.7	16.5	16.1	17.0	17.4	15.5	16.4	16.0	16.8	17.3
	8H	15.9	16.7	16.3	17.1	17.6	15.7	16.5	16.1	16.9	17.4
	12H	16.0	16.7	16.5	17.2	17.6	15.8	16.5	16.3	17.0	17.5
8H	4H	15.4	16.2	15.8	16.6	17.1	15.2	16.0	15.7	16.5	16.9
	6H	16.0	16.7	16.5	17.2	17.7	15.9	16.5	16.4	17.0	17.5
	8H	16.3	16.9	16.8	17.4	17.9	16.1	16.7	16.6	17.2	17.7
	12H	16.5	17.0	17.0	17.5	18.1	16.3	16.8	16.8	17.3	17.9
12H	4H	15.4	16.1	15.9	16.6	17.1	15.3	16.0	15.7	16.5	16.9
	6H	16.1	16.7	16.6	17.2	17.7	15.9	16.5	16.4	17.0	17.5
	8H	16.4	16.9	16.9	17.4	18.0	16.2	16.7	16.7	17.2	17.8

(END OF REPORT)