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: P1471753

Luminaire Tested: 24PTR-20S-PP3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471753
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-20S-PP3-L835-UNV-STD-B
Description:	2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

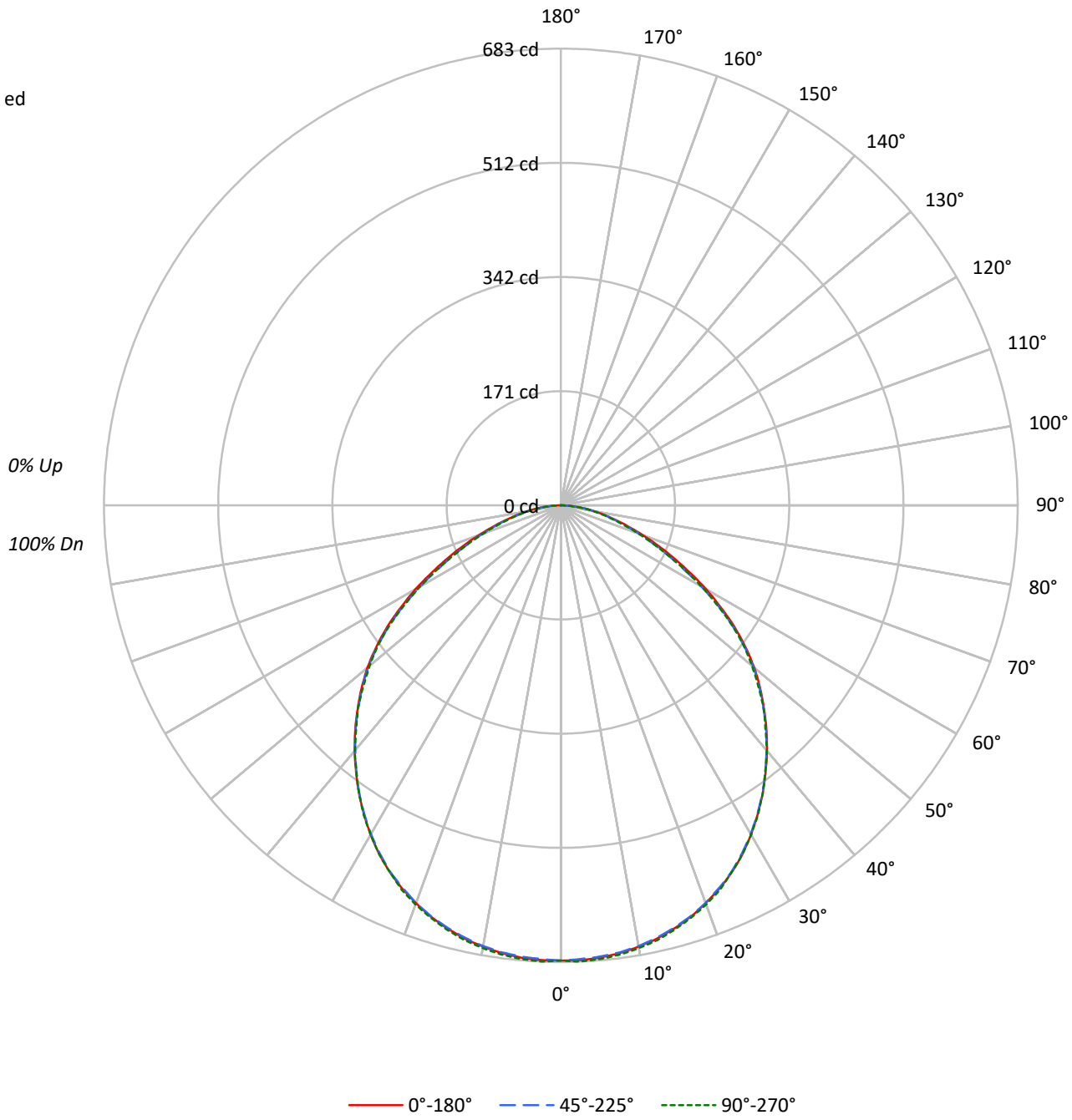
Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1759.3 lumens
Efficiency:	N/A
Efficacy:	105.4 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 1.24 / 1.34
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct

Input Watts (W):	16.7
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

TEST NUMBER: P1471753
CATALOG NUMBER: 24PTR-20S-PP3-L835-UNV-STD-B

Luminous Intensity Polar Plot



TEST NUMBER: P1471753
CATALOG NUMBER: 24PTR-20S-PP3-L835-UNV-STD-B

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	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	916	916	916
5°	917	915	920
10°	916	914	919
15°	913	911	915
20°	907	906	910
25°	899	897	898
30°	884	882	884
35°	864	863	864
40°	842	840	842
45°	817	814	816
50°	790	786	780
55°	743	735	732
60°	675	652	653
65°	592	563	562
70°	512	489	483
75°	443	427	417
80°	393	387	370
85°	324	335	316

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 820 cd/sqm

TEST NUMBER: P1471753
CATALOG NUMBER: 24PTR-20S-PP3-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	3.7
10°-20°	185.0	10.5
20°-30°	278.5	15.8
30°-40°	328.7	18.7
40°-50°	330.6	18.8
50°-60°	279.1	15.9
60°-70°	179.2	10.2
70°-80°	89.2	5.1
80°-90°	24.4	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°	528.1	30.0
0°-40°	856.8	48.7
0°-60°	1466.5	83.4
0°-90°	1759.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1759.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	681	681	681	681	681	
5°	679	679	677	681	681	65
15°	655	655	654	657	657	185
25°	605	606	604	606	605	279
35°	526	526	526	526	526	329
45°	429	431	428	429	429	331
55°	317	317	313	312	312	282
65°	186	183	177	175	176	186
75°	85	85	82	81	80	92
85°	21	22	22	20	20	25
90°	0	0	0	0	0	

TEST NUMBER: P1471753
CATALOG NUMBER: 24PTR-20S-PP3-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	680.9	680.9	680.9	680.9	*680.9*
2.5°	*680.7*	*680.9*	*679.1*	*682.4*	*682.9*
5°	679.0	679.1	677.4	680.7	*681.1*
7.5°	675.5	675.7	674.2	677.2	*677.7*
10°	670.2	671.1	669.3	672.0	*672.5*
12.5°	663.9	664.1	662.3	665.6	*666.1*
15°	655.2	655.4	654.0	657.0	*657.0*
17.5°	645.3	645.5	644.6	647.1	*646.8*
20°	633.2	634.0	632.7	634.4	*635.4*
22.5°	620.1	620.4	618.9	621.1	*622.1*
25°	605.3	605.5	604.3	605.5	*605.0*
27.5°	588.0	588.4	586.7	588.0	*588.2*
30°	568.7	569.9	567.5	568.5	*568.7*
32.5°	547.9	548.6	546.9	547.2	*548.5*
35°	526.2	526.5	525.5	525.9	*525.9*
37.5°	502.8	503.7	502.2	502.9	*501.9*
40°	479.5	478.5	478.0	478.5	*479.2*
42.5°	455.0	455.2	454.5	454.0	*452.8*
45°	429.3	430.8	428.0	428.6	*428.6*
47.5°	404.1	404.3	402.9	401.4	*400.4*
50°	377.2	377.2	375.4	374.2	*372.7*
52.5°	347.7	347.3	345.3	344.1	*344.8*
55°	316.8	316.6	313.2	311.9	*312.2*
57.5°	283.0	283.5	278.3	277.1	*277.1*
60°	250.7	248.1	242.2	240.5	*242.7*
62.5°	216.7	213.7	207.4	207.4	*209.1*
65°	186.1	183.4	176.7	174.9	*176.5*
67.5°	157.4	154.9	148.8	147.8	*148.3*
70°	130.2	128.1	124.3	122.1	*122.9*
72.5°	106.8	104.8	102.3	100.6	*99.6*
75°	85.2	84.8	82.1	81.3	*80.3*
77.5°	67.4	67.3	65.0	64.0	*63.0*
80°	50.7	50.4	49.9	48.4	*47.7*
82.5°	36.1	36.1	35.8	34.6	*33.9*
85°	21.0	21.7	21.7	20.5	*20.5*
87.5°	8.4	8.9	8.4	8.4	*8.2*
90°	0.0	0.0	0.0	0.0	*0.0*

TEST NUMBER: P1471753
CATALOG NUMBER: 24PTR-20S-PP3-L835-UNV-STD-B

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	10.9	12.5	11.3	12.8	13.2	10.8	12.4	11.1	12.7	13.0
	3H	12.2	13.7	12.6	14.0	14.4	12.0	13.4	12.4	13.8	14.1
	4H	12.7	14.0	13.1	14.4	14.8	12.4	13.8	12.8	14.1	14.5
	6H	13.0	14.3	13.4	14.6	15.0	12.8	14.0	13.2	14.4	14.7
	8H	13.1	14.3	13.6	14.7	15.1	12.9	14.0	13.3	14.4	14.8
	12H	13.2	14.3	13.6	14.7	15.1	12.9	14.1	13.4	14.4	14.9
4H	2H	11.4	12.7	11.8	13.0	13.4	11.2	12.6	11.6	12.9	13.3
	3H	12.9	14.0	13.3	14.4	14.8	12.7	13.8	13.1	14.2	14.6
	4H	13.4	14.4	13.9	14.9	15.3	13.2	14.2	13.6	14.6	15.1
	6H	13.9	14.8	14.3	15.2	15.7	13.6	14.5	14.1	15.0	15.4
	8H	14.0	14.9	14.5	15.3	15.8	13.8	14.6	14.3	15.1	15.5
	12H	14.2	14.9	14.6	15.4	15.8	13.9	14.6	14.4	15.1	15.6
8H	4H	13.6	14.5	14.1	14.9	15.4	13.4	14.2	13.9	14.7	15.2
	6H	14.2	14.9	14.7	15.4	15.8	14.0	14.6	14.5	15.1	15.6
	8H	14.4	15.0	14.9	15.5	16.0	14.2	14.8	14.7	15.3	15.8
	12H	14.6	15.1	15.1	15.6	16.2	14.3	14.9	14.9	15.4	15.9
12H	4H	13.6	14.4	14.1	14.9	15.3	13.4	14.2	13.9	14.7	15.1
	6H	14.2	14.8	14.8	15.3	15.8	14.0	14.6	14.5	15.1	15.6
	8H	14.5	15.0	15.0	15.5	16.1	14.3	14.8	14.8	15.3	15.9

(END OF REPORT)