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: P1471754

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471754
	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-W
Description:	2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2038.3 lumens
Efficiency:	N/A
Efficacy:	122.1 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

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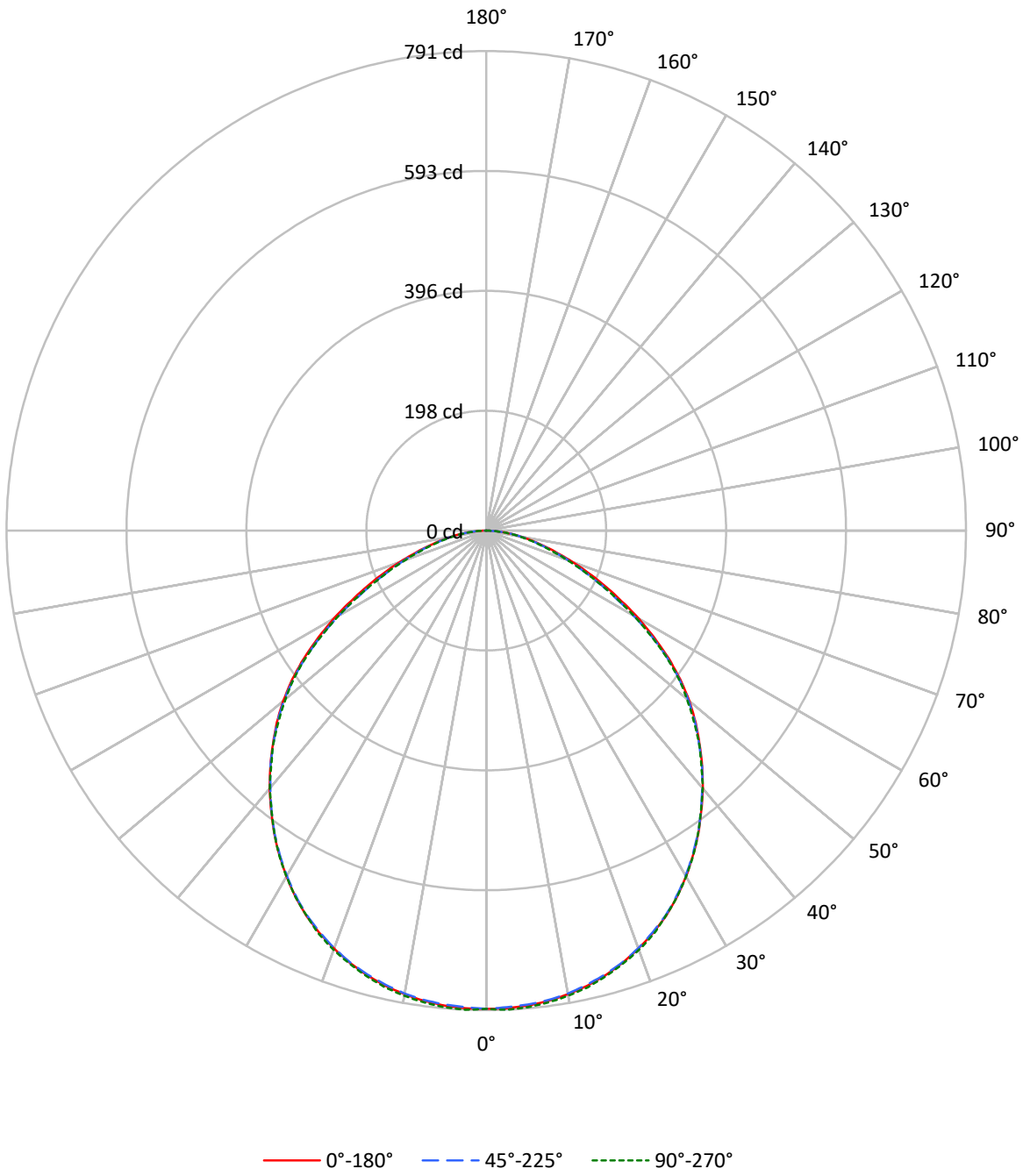
Luminous Intensity Polar Plot

sed

0% Up

100% Dn



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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	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°	1061	1061	1061
5°	1062	1060	1066
10°	1061	1059	1064
15°	1057	1055	1060
20°	1050	1050	1054
25°	1041	1039	1041
30°	1024	1022	1024
35°	1001	1000	1001
40°	976	973	975
45°	946	944	945
50°	915	910	904
55°	861	851	848
60°	781	755	756
65°	686	652	651
70°	594	566	560
75°	513	494	483
80°	455	449	428
85°	375	389	366

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 950 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	3.7
10°-20°	214.3	10.5
20°-30°	322.7	15.8
30°-40°	380.8	18.7
40°-50°	383.0	18.8
50°-60°	323.4	15.9
60°-70°	207.7	10.2
70°-80°	103.3	5.1
80°-90°	28.3	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°	611.8	30.0
0°-40°	992.7	48.7
0°-60°	1699.0	83.4
0°-90°	2038.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2038.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	789	789	789	789	789	
5°	787	787	785	789	789	75
15°	759	759	758	761	761	214
25°	701	702	700	702	701	323
35°	610	610	609	609	609	381
45°	497	499	496	496	496	384
55°	367	367	363	361	362	327
65°	216	212	205	203	204	215
75°	99	98	95	94	93	107
85°	24	25	25	24	24	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	788.9	788.9	788.9	788.9	*788.9*
2.5°	*788.6*	*788.9*	*786.8*	*790.5*	*791.2*
5°	786.6	786.8	784.8	788.6	*789.1*
7.5°	782.5	782.8	781.1	784.5	*785.1*
10°	776.5	777.4	775.4	778.6	*779.1*
12.5°	769.1	769.4	767.3	771.1	*771.7*
15°	759.1	759.3	757.7	761.1	*761.1*
17.5°	747.6	747.9	746.7	749.7	*749.3*
20°	733.6	734.5	733.0	735.0	*736.1*
22.5°	718.4	718.8	717.0	719.6	*720.7*
25°	701.3	701.5	700.1	701.5	*701.0*
27.5°	681.2	681.7	679.7	681.2	*681.5*
30°	658.8	660.3	657.5	658.6	*658.8*
32.5°	634.8	635.6	633.6	634.0	*635.4*
35°	609.6	609.9	608.8	609.3	*609.3*
37.5°	582.5	583.6	581.8	582.7	*581.5*
40°	555.5	554.4	553.7	554.4	*555.2*
42.5°	527.1	527.4	526.6	526.0	*524.6*
45°	497.3	499.1	495.9	496.5	*496.5*
47.5°	468.2	468.4	466.8	465.0	*463.8*
50°	437.0	437.0	434.9	433.6	*431.8*
52.5°	402.9	402.3	400.1	398.6	*399.4*
55°	367.1	366.8	362.8	361.4	*361.7*
57.5°	327.9	328.5	322.4	321.0	*321.0*
60°	290.4	287.5	280.6	278.6	*281.1*
62.5°	251.1	247.6	240.2	240.2	*242.2*
65°	215.6	212.5	204.8	202.7	*204.5*
67.5°	182.4	179.5	172.4	171.3	*171.8*
70°	150.9	148.4	144.0	141.4	*142.3*
72.5°	123.7	121.4	118.5	116.5	*115.4*
75°	98.7	98.2	95.1	94.2	*93.0*
77.5°	78.1	77.9	75.3	74.2	*73.0*
80°	58.7	58.4	57.9	56.1	*55.2*
82.5°	41.8	41.8	41.5	40.1	*39.2*
85°	24.3	25.2	25.2	23.7	*23.7*
87.5°	9.8	10.3	9.8	9.8	*9.5*
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	11.5	13.0	11.8	13.3	13.7	11.3	12.9	11.7	13.2	13.5
	3H	12.8	14.2	13.1	14.5	14.9	12.5	13.9	12.9	14.3	14.6
	4H	13.2	14.5	13.6	14.9	15.3	13.0	14.3	13.4	14.6	15.0
	6H	13.5	14.8	13.9	15.1	15.5	13.3	14.5	13.7	14.9	15.3
	8H	13.6	14.8	14.1	15.2	15.6	13.4	14.5	13.8	14.9	15.3
	12H	13.7	14.8	14.1	15.2	15.6	13.4	14.6	13.9	14.9	15.4
4H	2H	11.9	13.2	12.3	13.6	13.9	11.7	13.1	12.1	13.4	13.8
	3H	13.4	14.5	13.8	14.9	15.3	13.2	14.3	13.6	14.7	15.1
	4H	14.0	15.0	14.4	15.4	15.8	13.7	14.7	14.2	15.1	15.6
	6H	14.4	15.3	14.9	15.7	16.2	14.2	15.0	14.6	15.5	15.9
	8H	14.6	15.4	15.0	15.8	16.3	14.3	15.1	14.8	15.6	16.0
	12H	14.7	15.4	15.1	15.9	16.3	14.4	15.1	14.9	15.6	16.1
8H	4H	14.1	15.0	14.6	15.4	15.9	13.9	14.8	14.4	15.2	15.7
	6H	14.7	15.4	15.2	15.9	16.3	14.5	15.2	15.0	15.6	16.1
	8H	14.9	15.5	15.4	16.0	16.5	14.7	15.3	15.2	15.8	16.3
	12H	15.1	15.6	15.6	16.1	16.7	14.9	15.4	15.4	15.9	16.4
12H	4H	14.2	14.9	14.6	15.4	15.8	14.0	14.7	14.4	15.2	15.6
	6H	14.7	15.4	15.3	15.8	16.4	14.5	15.1	15.0	15.6	16.1
	8H	15.0	15.5	15.5	16.0	16.6	14.8	15.3	15.3	15.8	16.4

(END OF REPORT)