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: P1471699

Luminaire Tested: 22PTR-25S-PC3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471699
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	22PTR-25S-PC3-L835-UNV-STD-B
Description:	2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1981.3 lumens
Efficiency:	N/A
Efficacy:	104.8 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.25 / 1.34
Luminous Opening:	Rectangular (W 2' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	18.9
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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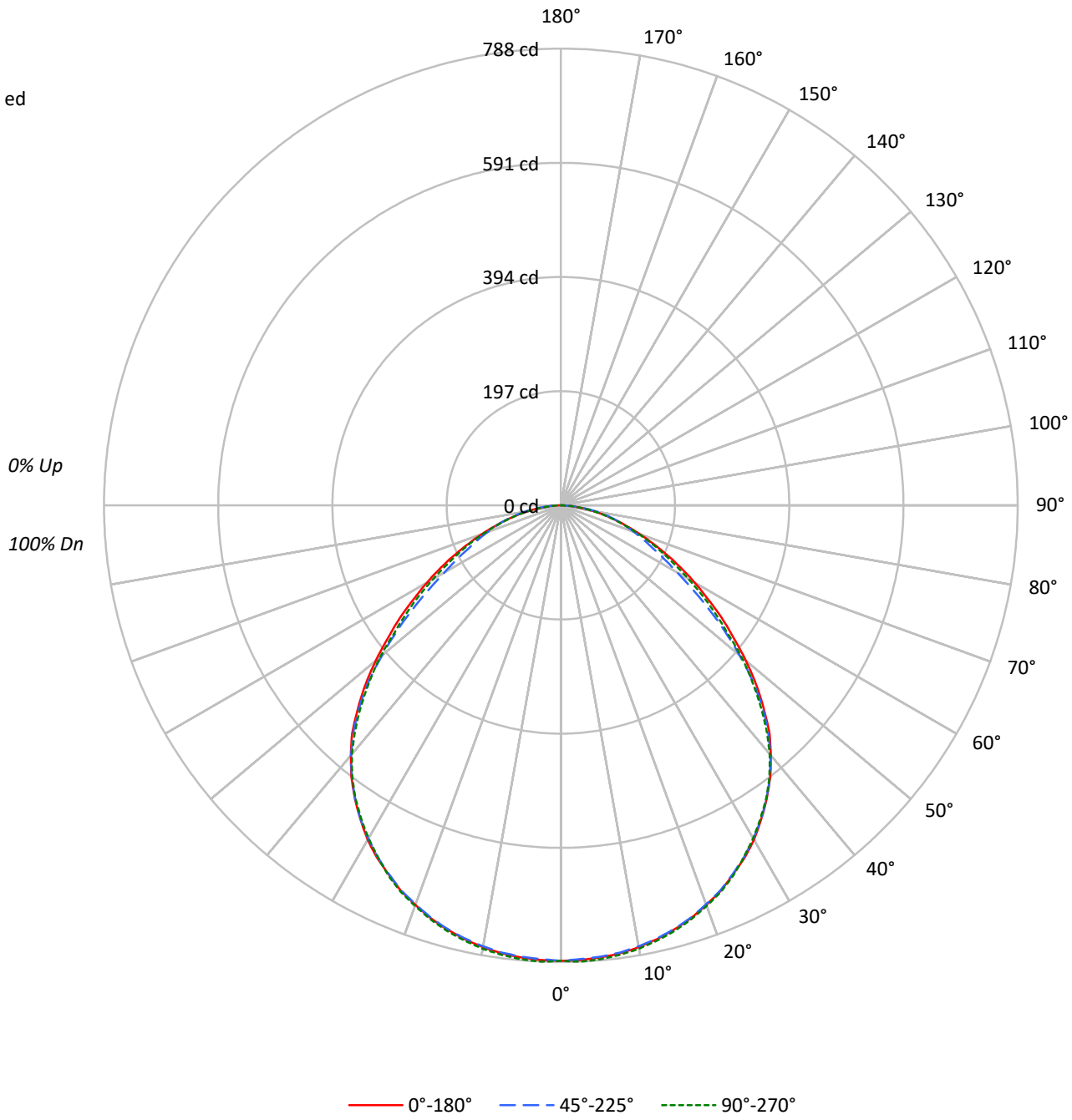
Luminous Intensity Polar Plot



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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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2115	2115	2115
5°	2115	2112	2124
10°	2115	2111	2123
15°	2110	2108	2117
20°	2101	2097	2107
25°	2086	2083	2091
30°	2071	2064	2060
35°	2033	2031	2028
40°	1979	1977	1968
45°	1883	1869	1850
50°	1743	1684	1703
55°	1590	1461	1527
60°	1434	1246	1368
65°	1282	1115	1230
70°	1137	1055	1105
75°	1005	1022	986
80°	868	976	863
85°	648	772	648

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1887 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	3.8
10°-20°	213.9	10.8
20°-30°	323.9	16.3
30°-40°	386.2	19.5
40°-50°	377.3	19.0
50°-60°	288.5	14.6
60°-70°	185.3	9.4
70°-80°	103.1	5.2
80°-90°	28.5	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°	612.4	30.9
0°-40°	998.6	50.4
0°-60°	1664.5	84.0
0°-90°	1981.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1981.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	786	786	786	786	786	
5°	783	784	782	785	786	74
15°	758	758	757	759	760	214
25°	703	704	702	704	704	324
35°	619	620	618	618	617	387
45°	495	496	491	490	486	381
55°	339	327	312	315	326	303
65°	201	186	175	181	193	201
75°	97	98	98	97	95	103
85°	21	25	25	24	21	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	785.9	785.9	785.9	785.9	*785.9*
2.5°	*785.3*	*785.7*	*783.6*	*787.0*	*788.1*
5°	783.1	783.6	781.7	785.3	*786.2*
7.5°	779.7	780.2	778.3	782.0	*782.3*
10°	774.1	774.4	772.7	776.4	*776.9*
12.5°	766.6	767.4	765.4	768.8	*769.0*
15°	757.5	758.1	756.6	759.2	*760.0*
17.5°	746.8	747.1	745.7	748.5	*748.8*
20°	733.6	733.6	732.4	735.6	*735.6*
22.5°	720.1	719.3	719.0	720.1	*721.8*
25°	702.7	703.5	701.6	703.8	*704.4*
27.5°	685.9	685.9	684.1	685.3	*683.8*
30°	666.5	665.3	664.2	664.4	*663.1*
32.5°	643.1	643.1	642.6	642.6	*640.8*
35°	619.0	619.5	618.4	618.1	*617.2*
37.5°	593.0	594.0	591.9	591.4	*590.8*
40°	563.5	563.5	562.7	561.6	*560.2*
42.5°	532.9	532.9	529.3	526.5	*524.5*
45°	494.7	495.8	491.0	489.9	*486.0*
47.5°	456.7	455.9	449.5	448.6	*446.4*
50°	416.3	411.5	402.3	404.7	*406.8*
52.5°	375.8	369.9	356.4	359.2	*362.5*
55°	339.0	327.2	311.5	315.4	*325.5*
57.5°	300.5	284.7	269.0	276.4	*288.9*
60°	266.4	248.8	231.6	239.5	*254.1*
62.5°	233.9	215.1	201.3	208.8	*221.2*
65°	201.3	185.8	175.1	181.0	*193.1*
67.5°	171.5	161.1	153.8	156.6	*166.4*
70°	144.5	138.0	134.1	134.9	*140.5*
72.5°	118.9	117.2	115.8	115.8	*116.3*
75°	96.7	97.5	98.3	97.0	*94.8*
77.5°	76.2	78.9	81.0	78.1	*75.4*
80°	56.0	60.5	63.0	59.8	*55.7*
82.5°	38.2	43.3	44.1	42.2	*37.4*
85°	21.0	24.7	25.0	24.2	*21.0*
87.5°	7.9	9.3	10.1	9.3	*8.2*
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	13.1	14.6	13.4	14.9	15.3	12.8	14.4	13.2	14.7	15.0
	3H	14.5	15.9	14.9	16.2	16.6	14.3	15.7	14.7	16.0	16.4
	4H	15.0	16.4	15.4	16.7	17.1	14.8	16.2	15.2	16.5	16.9
	6H	15.4	16.7	15.8	17.0	17.4	15.3	16.5	15.7	16.8	17.2
	8H	15.6	16.7	16.0	17.1	17.5	15.4	16.5	15.8	16.9	17.3
	12H	15.6	16.7	16.0	17.1	17.5	15.4	16.6	15.9	16.9	17.4
4H	2H	13.5	14.8	13.9	15.1	15.5	13.3	14.6	13.7	14.9	15.3
	3H	15.1	16.2	15.6	16.6	17.0	15.0	16.1	15.4	16.5	16.9
	4H	15.8	16.8	16.3	17.2	17.7	15.7	16.7	16.1	17.1	17.5
	6H	16.4	17.2	16.8	17.7	18.1	16.2	17.1	16.7	17.5	18.0
	8H	16.5	17.3	17.0	17.8	18.3	16.4	17.2	16.9	17.6	18.1
	12H	16.6	17.4	17.1	17.8	18.3	16.5	17.2	17.0	17.7	18.2
8H	4H	16.1	16.9	16.6	17.3	17.8	16.0	16.8	16.4	17.2	17.7
	6H	16.8	17.4	17.3	17.9	18.4	16.6	17.3	17.1	17.8	18.3
	8H	17.0	17.6	17.5	18.1	18.6	16.9	17.5	17.4	18.0	18.5
	12H	17.2	17.7	17.7	18.2	18.8	17.1	17.6	17.6	18.1	18.6
12H	4H	16.1	16.8	16.6	17.3	17.8	16.0	16.7	16.5	17.2	17.7
	6H	16.8	17.4	17.3	17.9	18.4	16.7	17.3	17.2	17.8	18.3
	8H	17.1	17.7	17.6	18.1	18.7	17.0	17.5	17.5	18.0	18.6

(END OF REPORT)