

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: P1471709

Luminaire Tested: 22PTR-25S-PW1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471709
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: 22PTR-25S-PW1-L835-UNV-STD-B
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens Black Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

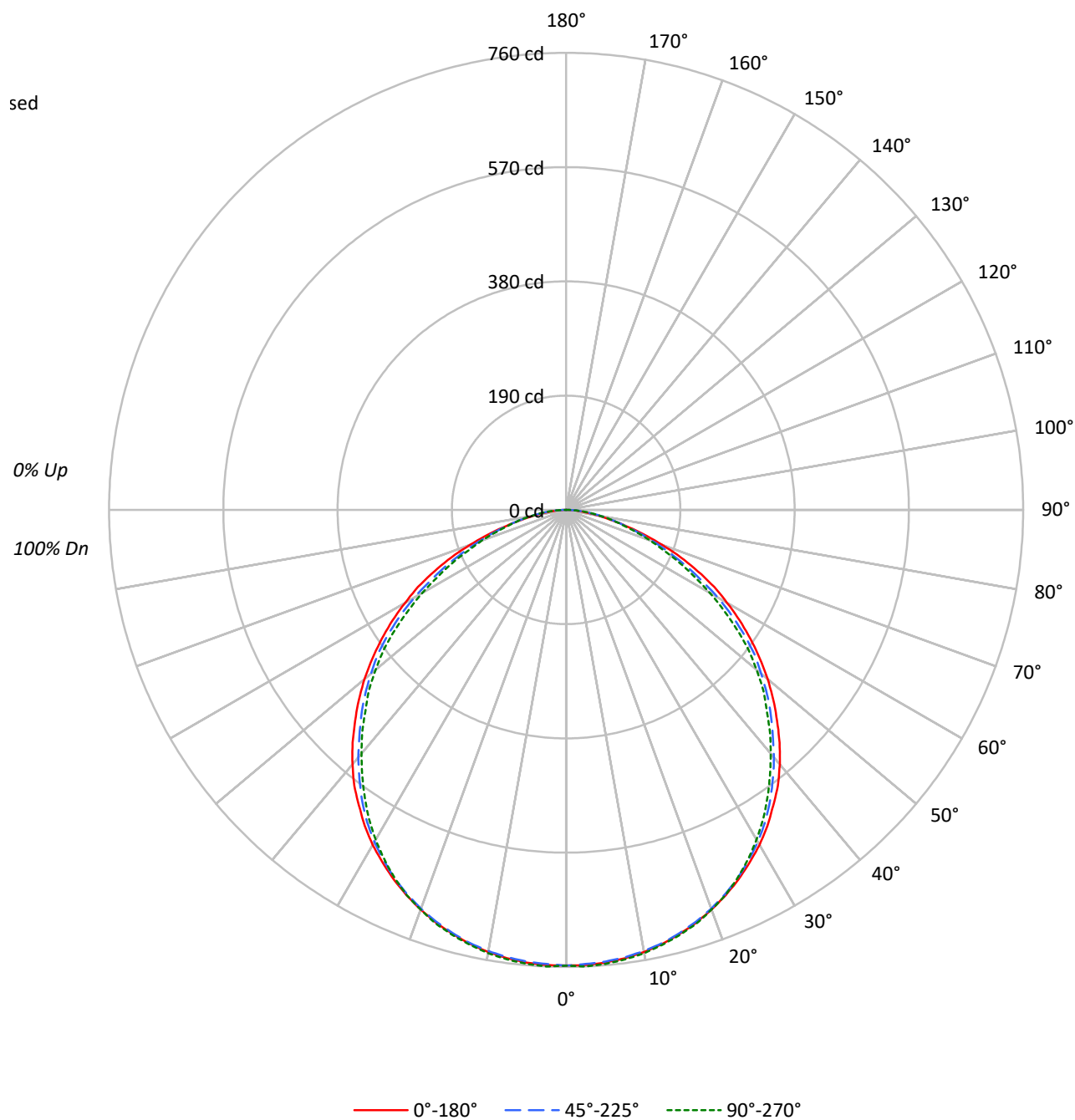
Lumens per Lamp: N/A
Luminaire Lumens: 2010.8 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					0
RW	70	50	30	10	70	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
1	109	105	101	97	107	103	99	95		98	95	92			94	92	90			91
2	100	92	85	80	97	90	84	79		86	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	57		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	62	48	40	34	60	48	40	34		46	39	34			45	38	34			44
9	58	44	36	31	56	44	36	31		43	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	28			38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2039	2039	2039
5°	2041	2036	2047
10°	2040	2035	2045
15°	2034	2030	2038
20°	2025	2021	2025
25°	2014	2006	2004
30°	1999	1981	1967
35°	1972	1942	1918
40°	1942	1888	1859
45°	1888	1832	1795
50°	1831	1771	1730
55°	1755	1696	1628
60°	1664	1566	1484
65°	1539	1398	1328
70°	1334	1217	1171
75°	1065	1042	1013
80°	809	905	905
85°	599	772	772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1888 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	3.6
10°-20°	206.1	10.3
20°-30°	311.5	15.5
30°-40°	369.9	18.4
40°-50°	372.6	18.5
50°-60°	322.1	16.0
60°-70°	220.1	10.9
70°-80°	108.6	5.4
80°-90°	28.1	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°	589.5	29.3
0°-40°	959.3	47.7
0°-60°	1654.0	82.3
0°-90°	2010.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2010.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	758	758	758	758	758	
5°	756	756	754	757	758	72
15°	730	731	729	731	732	206
25°	678	678	676	676	675	312
35°	600	598	591	586	584	376
45°	496	491	481	476	472	383
55°	374	373	361	351	347	334
65°	242	233	220	210	209	239
75°	102	102	100	100	97	112
85°	19	23	25	26	25	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	757.7	757.7	757.7	757.7	757.7
2.5°	757.5	757.7	755.8	759.1	760.0
5°	755.5	755.8	753.8	756.9	757.7
7.5°	751.9	752.4	750.2	753.2	753.8
10°	746.5	746.8	744.9	747.9	748.5
12.5°	739.2	739.4	737.8	740.6	740.6
15°	730.0	730.8	728.8	731.4	731.6
17.5°	719.6	719.9	717.9	720.7	721.3
20°	707.2	707.2	705.6	707.8	707.2
22.5°	693.4	693.4	691.5	692.6	693.1
25°	678.3	677.7	675.5	676.1	675.0
27.5°	660.9	660.9	656.9	656.9	655.0
30°	643.2	641.8	637.6	635.1	633.1
32.5°	622.9	621.0	615.7	611.2	609.8
35°	600.3	598.2	591.2	585.9	583.7
37.5°	578.4	573.9	564.6	559.3	556.7
40°	552.7	547.1	537.6	530.3	529.2
42.5°	525.3	520.8	508.5	503.1	501.7
45°	496.1	490.7	481.4	475.8	471.6
47.5°	467.5	463.5	452.9	446.1	444.7
50°	437.4	434.0	423.1	415.8	413.3
52.5°	406.2	404.0	394.7	385.4	382.4
55°	374.0	372.9	361.4	350.6	347.0
57.5°	342.3	340.9	326.5	314.1	310.8
60°	309.1	304.9	290.9	279.3	275.7
62.5°	277.7	268.7	253.5	244.5	240.4
65°	241.7	233.0	219.5	210.0	208.6
67.5°	206.4	196.0	185.6	179.7	175.2
70°	169.6	162.5	154.7	149.7	148.8
72.5°	135.3	130.3	126.3	123.2	120.7
75°	102.4	101.6	100.2	100.2	97.4
77.5°	75.3	77.2	78.4	78.0	78.7
80°	52.2	56.1	58.4	58.7	58.4
82.5°	33.2	37.6	41.3	41.8	42.4
85°	19.4	22.8	25.0	25.5	25.0
87.5°	8.7	10.9	11.5	12.0	11.5
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	14.2	15.8	14.5	16.1	16.4	13.6	15.2	13.9	15.5	15.8
	3H	15.6	17.1	16.0	17.4	17.8	15.0	16.4	15.3	16.7	17.1
	4H	16.1	17.4	16.5	17.8	18.1	15.4	16.8	15.8	17.1	17.5
	6H	16.3	17.6	16.7	17.9	18.3	15.8	17.0	16.2	17.4	17.8
	8H	16.4	17.6	16.8	18.0	18.4	15.9	17.1	16.3	17.5	17.9
	12H	16.4	17.6	16.8	17.9	18.4	16.0	17.1	16.4	17.5	17.9
4H	2H	14.6	16.0	15.0	16.3	16.7	14.1	15.5	14.5	15.8	16.2
	3H	16.3	17.4	16.7	17.8	18.2	15.7	16.8	16.1	17.2	17.6
	4H	16.8	17.8	17.3	18.2	18.7	16.3	17.3	16.7	17.7	18.2
	6H	17.2	18.1	17.6	18.5	19.0	16.8	17.7	17.2	18.1	18.6
	8H	17.3	18.1	17.7	18.5	19.0	16.9	17.8	17.4	18.2	18.7
	12H	17.3	18.1	17.8	18.6	19.0	17.1	17.8	17.5	18.3	18.7
8H	4H	17.0	17.8	17.5	18.3	18.7	16.5	17.4	17.0	17.8	18.3
	6H	17.5	18.1	18.0	18.6	19.1	17.1	17.8	17.6	18.3	18.8
	8H	17.6	18.2	18.1	18.7	19.2	17.3	18.0	17.9	18.5	19.0
	12H	17.7	18.3	18.2	18.8	19.3	17.5	18.1	18.0	18.6	19.1
12H	4H	17.0	17.8	17.5	18.2	18.7	16.6	17.3	17.0	17.8	18.2
	6H	17.5	18.1	18.0	18.6	19.1	17.2	17.8	17.7	18.2	18.8
	8H	17.7	18.2	18.2	18.7	19.3	17.4	18.0	17.9	18.5	19.0

(END OF REPORT)