

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: P1471698

Luminaire Tested: 22PTR-25S-PB1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25S-PB1-L835-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

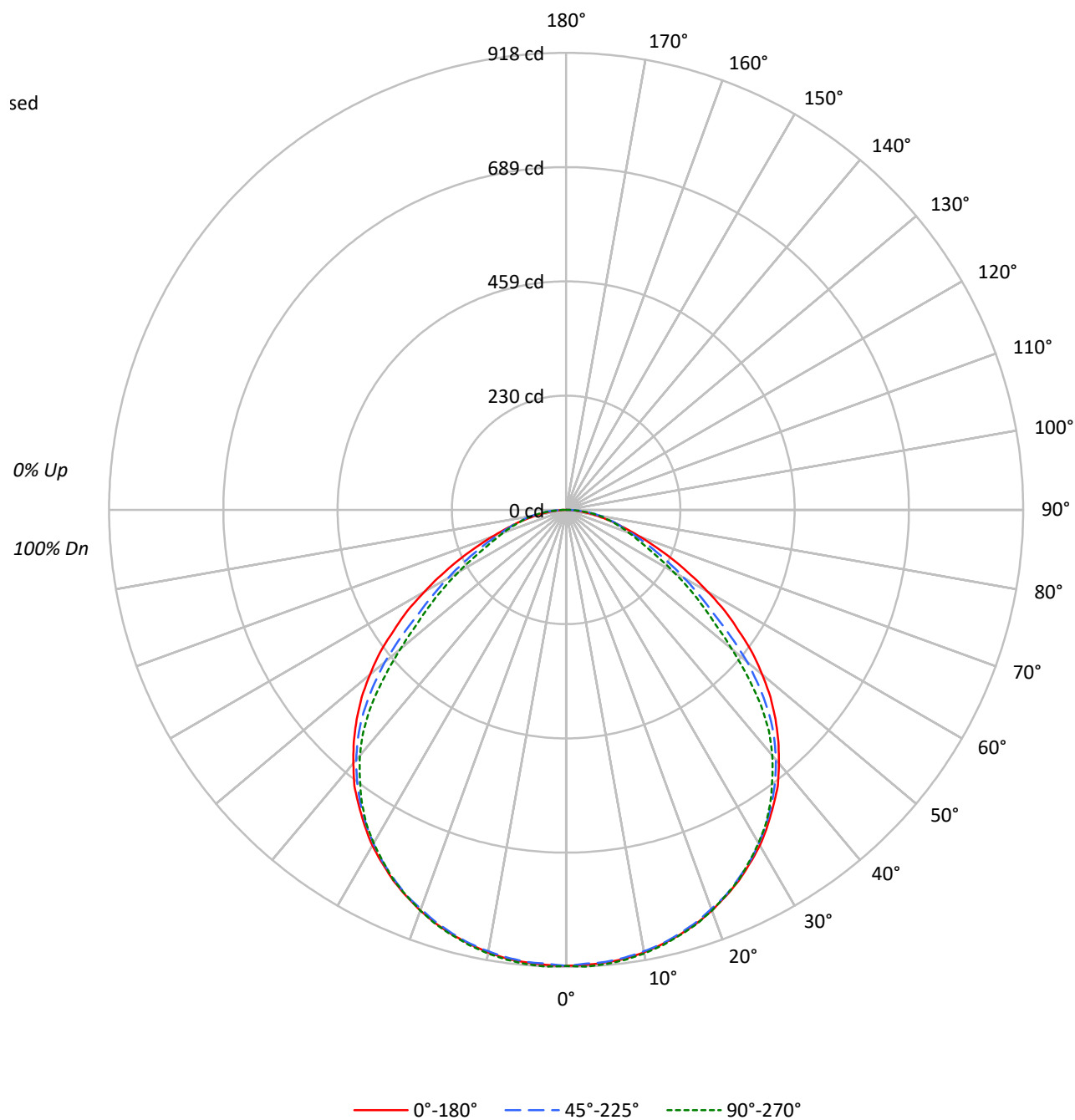
Lumens per Lamp: N/A
Luminaire Lumens: 2283.9 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2465	2465	2465
5°	2465	2462	2474
10°	2466	2460	2472
15°	2461	2454	2464
20°	2452	2442	2452
25°	2439	2428	2435
30°	2419	2405	2401
35°	2383	2365	2350
40°	2335	2303	2264
45°	2264	2191	2101
50°	2151	1986	1816
55°	1982	1686	1564
60°	1765	1474	1340
65°	1514	1277	1141
70°	1249	1126	1046
75°	1054	1077	1020
80°	891	1100	1049
85°	698	1115	976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2264 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	3.8
10°-20°	249.2	10.9
20°-30°	377.5	16.5
30°-40°	449.8	19.7
40°-50°	439.9	19.3
50°-60°	332.7	14.6
60°-70°	204.4	8.9
70°-80°	108.9	4.8
80°-90°	34.7	1.5
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°	713.5	31.2
0°-40°	1163.3	50.9
0°-60°	1935.9	84.8
0°-90°	2283.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2283.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	912	914	911	915	916	87
15°	883	884	881	884	884	249
25°	821	820	818	819	820	378
35°	726	724	720	716	716	454
45°	595	592	576	556	552	458
55°	422	401	359	339	333	378
65°	238	219	201	185	179	237
75°	101	102	104	100	98	109
85°	23	29	36	34	32	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	915.9	915.9	915.9	915.9	915.9
2.5°	914.9	915.9	912.5	917.1	918.2
5°	912.5	913.7	911.4	914.9	915.9
7.5°	909.2	909.2	906.9	910.3	911.4
10°	902.4	902.4	900.2	903.5	904.7
12.5°	893.5	893.5	892.3	894.5	895.7
15°	883.3	884.4	881.0	884.4	884.4
17.5°	870.9	869.8	868.6	870.9	872.1
20°	856.2	856.2	852.9	855.1	856.2
22.5°	839.3	839.3	838.2	839.3	838.2
25°	821.3	820.1	817.9	819.1	820.1
27.5°	799.9	799.9	797.7	797.7	796.5
30°	778.5	777.3	774.0	771.8	772.8
32.5°	752.6	751.4	748.1	745.9	746.9
35°	725.5	724.4	719.9	716.5	715.5
37.5°	698.5	695.1	689.4	684.9	680.4
40°	664.7	661.3	655.7	645.6	644.4
42.5°	630.9	627.6	618.5	606.2	602.7
45°	594.8	591.5	575.7	556.5	552.0
47.5°	556.5	550.9	526.1	502.4	493.4
50°	513.8	503.6	474.3	443.9	433.7
52.5°	472.0	454.1	415.7	388.7	378.6
55°	422.5	401.1	359.4	339.1	333.4
57.5°	378.6	349.3	315.4	295.2	290.7
60°	327.9	300.8	273.8	255.7	249.0
62.5°	281.6	258.0	235.5	219.6	211.8
65°	237.7	218.6	200.6	184.7	179.2
67.5°	194.9	184.7	170.1	157.8	154.4
70°	158.8	153.2	143.1	137.4	132.9
72.5°	126.2	128.4	121.7	119.5	116.0
75°	101.4	102.5	103.6	100.3	98.1
77.5°	76.6	82.2	86.7	84.4	82.2
80°	57.5	63.0	71.0	67.7	67.7
82.5°	39.4	46.2	53.0	50.7	49.6
85°	22.6	29.3	36.1	33.8	31.6
87.5°	9.0	14.7	15.7	15.7	14.7
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	14.0	15.6	14.4	15.9	16.2	12.7	14.3	13.1	14.6	14.9
	3H	15.3	16.7	15.6	17.0	17.3	14.0	15.4	14.4	15.7	16.1
	4H	15.7	17.0	16.1	17.3	17.7	14.5	15.9	14.9	16.2	16.6
	6H	16.0	17.2	16.4	17.5	17.9	15.0	16.3	15.5	16.6	17.0
	8H	16.0	17.2	16.5	17.6	18.0	15.2	16.4	15.7	16.8	17.2
	12H	16.1	17.2	16.5	17.6	18.0	15.4	16.5	15.8	16.9	17.3
4H	2H	14.3	15.7	14.7	16.0	16.4	13.3	14.6	13.7	14.9	15.3
	3H	15.8	16.9	16.2	17.3	17.7	14.8	15.8	15.2	16.2	16.6
	4H	16.3	17.3	16.8	17.7	18.2	15.4	16.4	15.9	16.8	17.3
	6H	16.8	17.6	17.2	18.1	18.5	16.1	16.9	16.6	17.4	17.8
	8H	16.9	17.7	17.4	18.1	18.6	16.3	17.1	16.8	17.6	18.1
	12H	17.0	17.7	17.5	18.2	18.7	16.5	17.3	17.0	17.7	18.2
8H	4H	16.6	17.4	17.0	17.8	18.3	15.7	16.5	16.2	17.0	17.5
	6H	17.1	17.8	17.6	18.3	18.7	16.5	17.2	17.0	17.7	18.2
	8H	17.3	17.9	17.8	18.4	18.9	16.9	17.5	17.4	18.0	18.5
	12H	17.5	18.0	18.0	18.5	19.1	17.2	17.7	17.7	18.2	18.8
12H	4H	16.6	17.3	17.1	17.8	18.2	15.8	16.5	16.3	17.0	17.4
	6H	17.2	17.8	17.7	18.2	18.8	16.6	17.2	17.1	17.7	18.2
	8H	17.4	18.0	17.9	18.5	19.0	17.0	17.6	17.5	18.0	18.6

(END OF REPORT)