

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: P1471745

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20S-L835-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens White Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

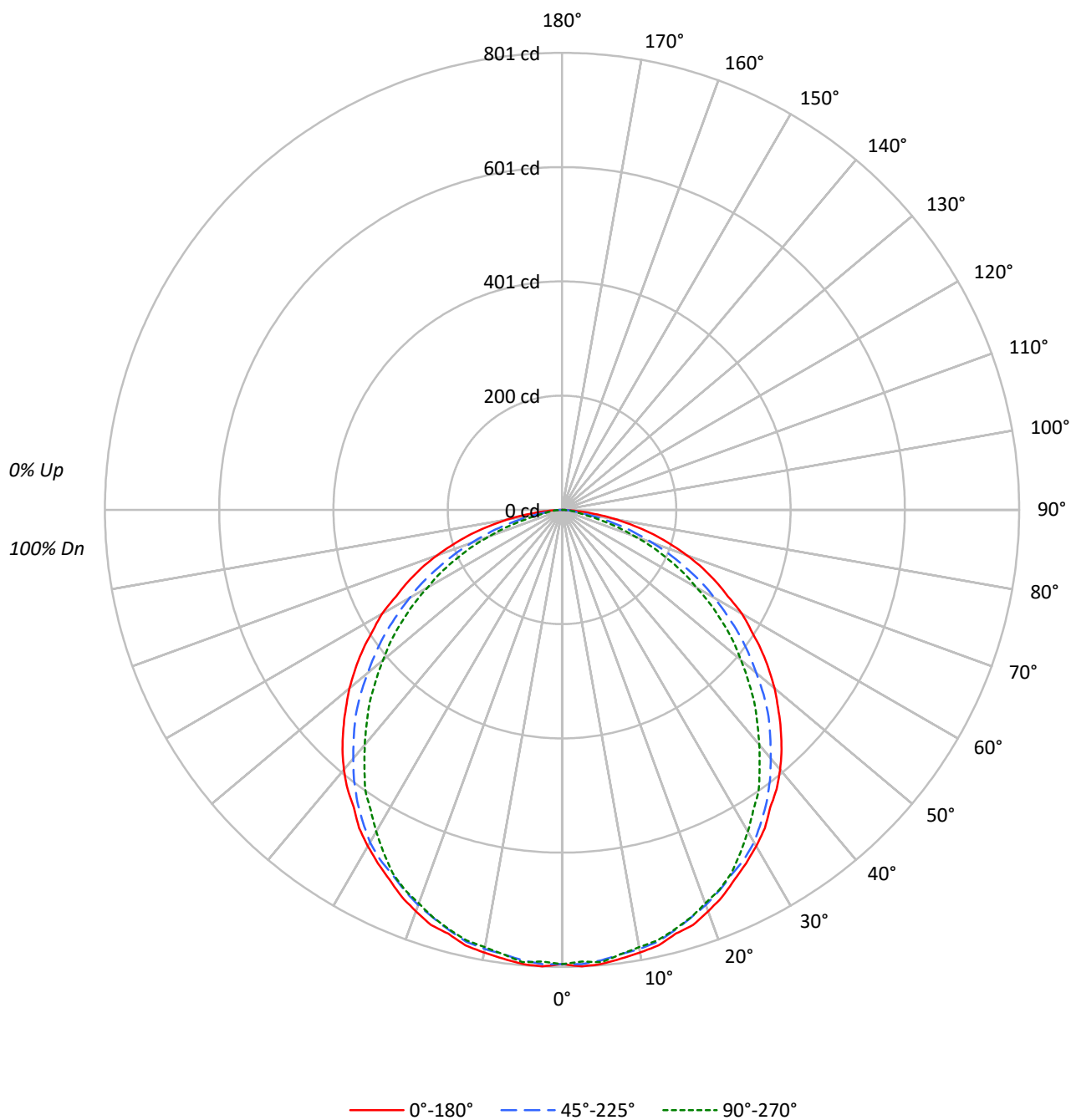
Lumens per Lamp: N/A
Luminaire Lumens: 2120.4 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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



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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	100		100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1071	1071	1071
5°	1079	1070	1075
10°	1076	1067	1063
15°	1071	1063	1061
20°	1072	1055	1051
25°	1061	1046	1042
30°	1057	1045	1011
35°	1045	1026	987
40°	1044	999	944
45°	1031	973	907
50°	1017	930	857
55°	998	886	805
60°	980	829	731
65°	947	761	654
70°	916	662	533
75°	860	522	367
80°	745	316	220
85°	497	227	211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1031 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	3.6
10°-20°	215.9	10.2
20°-30°	326.2	15.4
30°-40°	387.8	18.3
40°-50°	393.3	18.5
50°-60°	341.5	16.1
60°-70°	242.5	11.4
70°-80°	115.8	5.5
80°-90°	21.9	1.0
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°	617.5	29.1
0°-40°	1005.3	47.4
0°-60°	1740.2	82.1
0°-90°	2120.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2120.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	799	796	792	794	796	76
15°	769	771	763	762	761	218
25°	715	714	704	707	702	330
35°	636	635	625	604	601	400
45°	542	537	512	484	476	418
55°	425	412	378	356	343	380
65°	297	275	239	213	205	294
75°	166	135	100	80	71	174
85°	32	17	15	14	14	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	796.0	796.0	796.0	796.0	796.0
2.5°	800.8	797.9	797.0	800.3	792.3
5°	798.9	796.0	792.3	794.1	795.6
7.5°	793.2	790.8	785.6	789.9	785.6
10°	787.5	785.1	781.3	782.8	778.0
12.5°	781.8	776.1	775.2	776.1	772.8
15°	769.0	770.9	762.9	761.9	761.4
17.5°	762.9	758.1	749.6	750.1	749.1
20°	748.6	742.9	736.8	735.8	733.9
22.5°	733.9	727.3	721.6	724.5	720.2
25°	715.0	714.0	704.5	707.4	702.2
27.5°	698.4	695.1	690.8	684.6	677.0
30°	680.4	677.0	672.8	656.7	651.0
32.5°	661.4	657.6	649.1	630.1	623.9
35°	636.3	635.3	624.9	603.6	600.7
37.5°	617.3	606.9	598.3	576.5	568.5
40°	594.5	588.9	568.9	548.1	537.7
42.5°	569.4	562.8	540.0	517.7	506.4
45°	541.9	537.2	511.6	484.5	476.5
47.5°	513.5	509.2	478.9	452.8	442.4
50°	486.0	480.8	444.2	419.1	409.6
52.5°	456.1	447.6	411.5	386.9	377.9
55°	425.3	412.5	377.9	355.6	343.3
57.5°	392.6	380.7	342.3	319.1	309.1
60°	364.1	347.5	308.2	284.5	271.7
62.5°	327.6	313.4	275.9	248.0	241.8
65°	297.3	275.0	239.0	213.4	205.3
67.5°	266.5	240.4	203.9	177.8	173.5
70°	232.8	205.8	168.3	142.7	135.6
72.5°	198.7	172.1	135.6	108.6	104.3
75°	165.5	135.1	100.5	79.7	70.6
77.5°	129.4	101.9	70.6	48.8	43.1
80°	96.2	68.7	40.8	28.9	28.4
82.5°	63.1	39.8	21.8	22.3	21.3
85°	32.2	17.1	14.7	14.2	13.7
87.5°	6.2	6.6	7.1	7.1	7.1
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	12.4	14.0	12.7	14.3	14.6	11.1	12.7	11.4	13.0	13.3
	3H	14.2	15.7	14.6	16.0	16.3	12.3	13.8	12.7	14.1	14.5
	4H	14.9	16.3	15.3	16.6	17.0	12.6	14.0	13.0	14.3	14.7
	6H	15.4	16.6	15.8	17.0	17.4	12.7	14.0	13.1	14.3	14.7
	8H	15.5	16.7	15.9	17.1	17.5	12.7	13.9	13.1	14.3	14.7
	12H	15.6	16.7	16.0	17.1	17.5	12.7	13.9	13.1	14.2	14.7
4H	2H	12.8	14.2	13.2	14.5	14.9	11.7	13.1	12.1	13.4	13.8
	3H	14.8	15.9	15.2	16.3	16.7	13.2	14.3	13.6	14.7	15.1
	4H	15.6	16.6	16.0	17.0	17.5	13.5	14.5	14.0	15.0	15.4
	6H	16.2	17.1	16.7	17.5	18.0	13.6	14.5	14.1	15.0	15.4
	8H	16.4	17.2	16.8	17.6	18.1	13.7	14.5	14.1	14.9	15.4
	12H	16.5	17.2	16.9	17.7	18.1	13.7	14.4	14.2	14.9	15.4
8H	4H	15.7	16.5	16.2	17.0	17.4	13.8	14.6	14.3	15.1	15.5
	6H	16.3	17.0	16.8	17.5	18.0	13.9	14.6	14.4	15.1	15.6
	8H	16.5	17.2	17.1	17.7	18.2	14.0	14.6	14.5	15.1	15.6
	12H	16.7	17.2	17.2	17.7	18.3	14.0	14.6	14.5	15.1	15.6
12H	4H	15.7	16.4	16.2	16.9	17.4	13.8	14.6	14.3	15.0	15.5
	6H	16.3	16.9	16.9	17.4	17.9	14.0	14.6	14.5	15.1	15.6
	8H	16.6	17.1	17.1	17.6	18.1	14.0	14.6	14.5	15.1	15.6

(END OF REPORT)