

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: P1471756

Luminaire Tested: 24PTR-20S-PR1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20S-PR1-L835-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

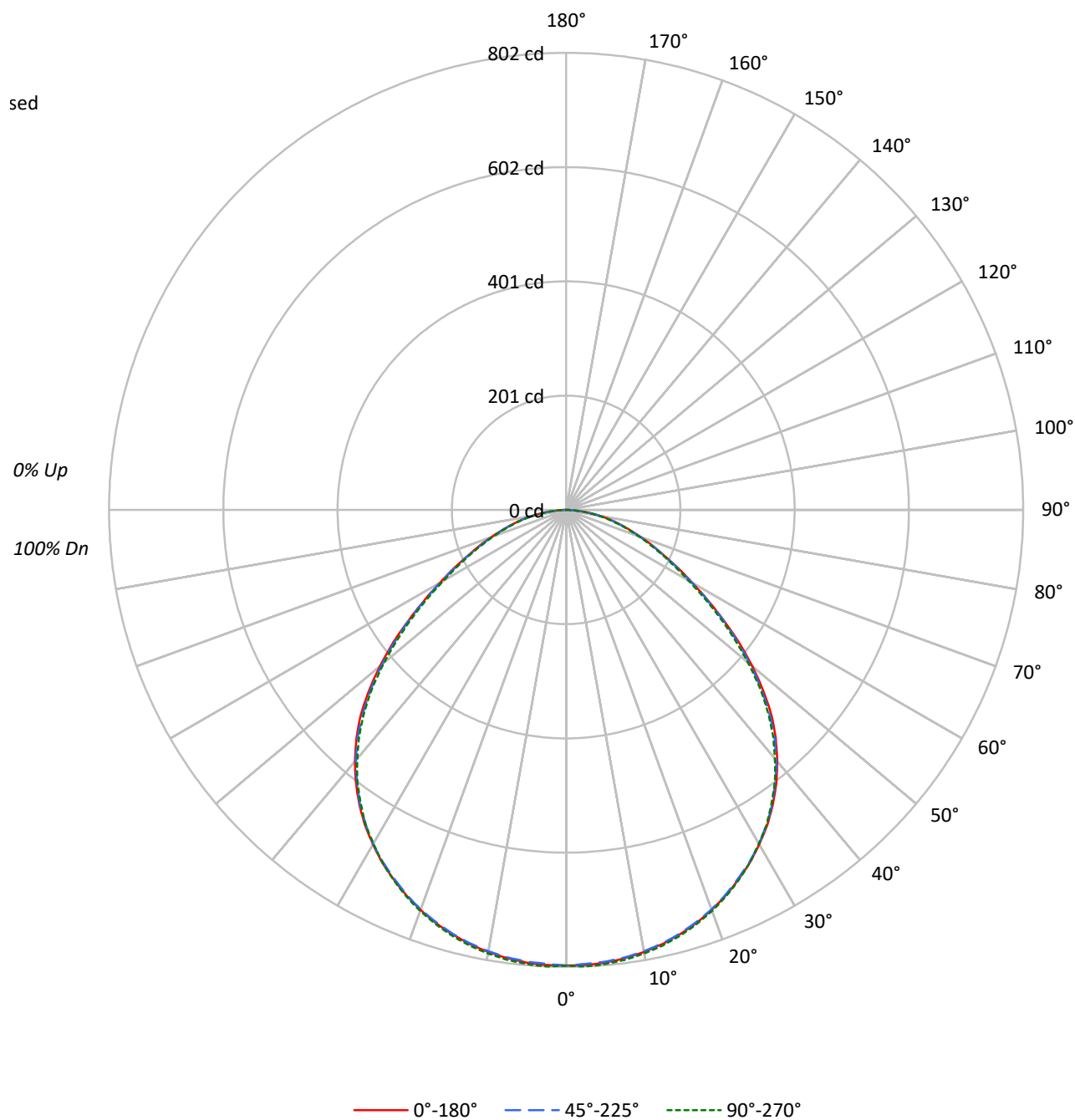
Lumens per Lamp: N/A
Luminaire Lumens: 2022.2 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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



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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	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1076	1076	1076
5°	1077	1074	1080
10°	1076	1074	1080
15°	1074	1072	1077
20°	1069	1068	1072
25°	1063	1060	1064
30°	1053	1052	1050
35°	1039	1036	1032
40°	1012	1008	1001
45°	970	959	952
50°	893	882	872
55°	790	787	771
60°	686	684	665
65°	605	601	589
70°	549	541	530
75°	508	496	487
80°	464	457	442
85°	366	363	349

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	3.8
10°-20°	217.7	10.8
20°-30°	329.8	16.3
30°-40°	393.7	19.5
40°-50°	387.2	19.1
50°-60°	299.3	14.8
60°-70°	188.7	9.3
70°-80°	102.1	5.0
80°-90°	27.9	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°	623.4	30.8
0°-40°	1017.1	50.3
0°-60°	1703.6	84.2
0°-90°	2022.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2022.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	800	800	800	800	800	
5°	797	798	796	799	800	76
15°	771	771	770	772	774	218
25°	716	716	714	716	716	330
35°	632	632	631	630	628	395
45°	510	508	504	500	500	390
55°	337	340	335	330	329	302
65°	190	190	189	186	185	191
75°	98	97	96	96	94	104
85°	24	24	24	24	23	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	799.6	799.6	799.6	799.6	799.6
2.5°	799.3	799.6	797.3	801.1	801.9
5°	797.3	797.6	795.5	799.0	799.9
7.5°	793.3	793.9	791.9	795.3	796.2
10°	787.5	788.2	786.2	789.6	790.4
12.5°	780.4	780.7	779.0	782.1	782.9
15°	771.0	771.2	769.8	772.3	773.5
17.5°	760.0	760.4	758.4	761.5	762.0
20°	746.9	747.1	746.0	748.6	748.9
22.5°	732.2	732.9	731.1	733.4	733.7
25°	715.7	716.2	713.9	716.2	716.5
27.5°	698.2	698.4	696.4	698.2	697.9
30°	677.8	679.5	676.9	676.3	676.1
32.5°	656.6	656.8	654.3	653.7	654.9
35°	632.3	632.5	630.8	630.0	628.2
37.5°	605.6	605.6	602.4	601.9	601.6
40°	576.4	576.0	574.1	572.1	570.0
42.5°	544.5	545.1	541.1	537.6	537.1
45°	509.8	507.8	504.1	500.1	500.4
47.5°	468.9	469.4	464.3	461.1	460.3
50°	426.4	426.4	421.6	418.2	416.4
52.5°	382.1	382.4	377.8	373.2	372.3
55°	336.8	339.6	335.3	329.9	328.7
57.5°	294.4	296.7	292.6	286.9	286.6
60°	255.1	255.3	254.2	248.8	247.3
62.5°	221.6	220.1	219.5	216.7	214.9
65°	190.0	190.3	188.9	185.7	185.1
67.5°	164.5	164.2	161.6	159.6	158.5
70°	139.5	138.7	137.6	135.9	134.7
72.5°	117.2	117.2	116.3	115.8	113.8
75°	97.8	96.6	95.5	96.0	93.7
77.5°	79.1	78.0	77.1	75.9	75.4
80°	59.9	58.7	59.0	57.3	57.1
82.5°	41.5	41.5	41.0	39.6	39.9
85°	23.7	24.1	23.5	23.7	22.6
87.5°	8.6	8.9	9.5	8.9	8.9
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	10.8	12.3	11.1	12.7	13.0	10.6	12.1	10.9	12.4	12.8
	3H	12.1	13.5	12.5	13.9	14.2	11.9	13.3	12.3	13.6	14.0
	4H	12.6	14.0	13.0	14.3	14.7	12.4	13.8	12.8	14.1	14.5
	6H	13.1	14.3	13.5	14.6	15.0	12.8	14.1	13.2	14.4	14.8
	8H	13.2	14.3	13.6	14.7	15.1	13.0	14.1	13.4	14.5	14.9
	12H	13.3	14.4	13.7	14.8	15.2	13.0	14.1	13.5	14.5	15.0
4H	2H	11.2	12.5	11.6	12.9	13.3	11.0	12.4	11.4	12.7	13.1
	3H	12.8	13.9	13.2	14.3	14.7	12.6	13.7	13.0	14.1	14.5
	4H	13.5	14.4	13.9	14.9	15.3	13.3	14.3	13.7	14.7	15.1
	6H	14.0	14.9	14.5	15.3	15.8	13.8	14.7	14.3	15.1	15.6
	8H	14.2	15.0	14.6	15.4	15.9	14.0	14.8	14.4	15.2	15.7
	12H	14.3	15.0	14.8	15.5	16.0	14.1	14.8	14.6	15.3	15.8
8H	4H	13.7	14.5	14.2	14.9	15.4	13.5	14.3	14.0	14.8	15.3
	6H	14.3	15.0	14.8	15.5	16.0	14.2	14.8	14.7	15.3	15.8
	8H	14.6	15.2	15.1	15.7	16.2	14.4	15.0	14.9	15.5	16.0
	12H	14.8	15.3	15.3	15.8	16.4	14.6	15.1	15.1	15.6	16.2
12H	4H	13.7	14.4	14.2	14.9	15.4	13.6	14.3	14.0	14.8	15.2
	6H	14.4	15.0	14.9	15.5	16.0	14.2	14.8	14.8	15.3	15.8
	8H	14.7	15.2	15.2	15.7	16.3	14.5	15.0	15.0	15.5	16.1

(END OF REPORT)