

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: P1471692

Luminaire Tested: 22PTR-20S-PR1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471692
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: 22PTR-20S-PR1-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

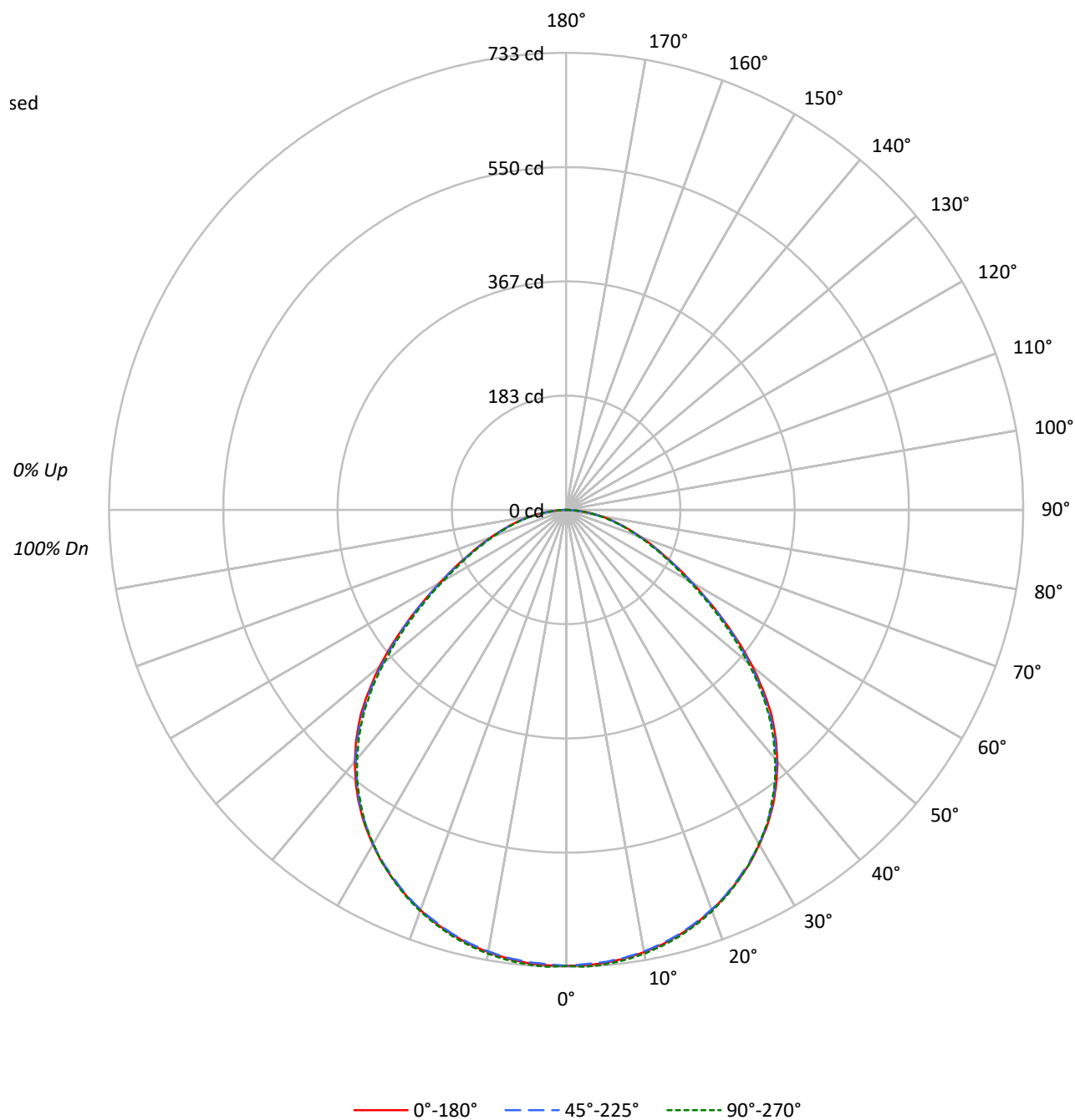
Lumens per Lamp: N/A
Luminaire Lumens: 1849.2 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
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°	1968	1968	1968
5°	1969	1965	1976
10°	1968	1964	1975
15°	1964	1961	1970
20°	1956	1953	1961
25°	1943	1938	1945
30°	1926	1923	1921
35°	1899	1895	1887
40°	1851	1844	1831
45°	1774	1754	1741
50°	1632	1614	1594
55°	1445	1438	1410
60°	1256	1251	1217
65°	1107	1100	1078
70°	1004	990	969
75°	930	908	891
80°	849	837	809
85°	670	664	639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1774 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	3.8
10°-20°	199.1	10.8
20°-30°	301.6	16.3
30°-40°	360.0	19.5
40°-50°	354.1	19.1
50°-60°	273.7	14.8
60°-70°	172.6	9.3
70°-80°	93.3	5.0
80°-90°	25.5	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°	570.0	30.8
0°-40°	930.0	50.3
0°-60°	1557.8	84.2
0°-90°	1849.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1849.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	731	731	731	731	731	
5°	729	729	728	731	732	69
15°	705	705	704	706	707	199
25°	654	655	653	655	655	302
35°	578	578	577	576	574	361
45°	466	464	461	457	458	357
55°	308	310	307	302	301	276
65°	174	174	173	170	169	175
75°	89	88	87	88	86	95
85°	22	22	22	22	21	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	731.2	731.2	731.2	731.2	731.2
2.5°	730.9	731.2	729.1	732.5	733.3
5°	729.1	729.4	727.5	730.6	731.5
7.5°	725.4	725.9	724.1	727.3	728.0
10°	720.1	720.7	718.9	722.0	722.8
12.5°	713.7	713.9	712.3	715.2	715.9
15°	705.0	705.2	704.0	706.2	707.3
17.5°	695.0	695.3	693.5	696.3	696.8
20°	683.0	683.2	682.1	684.5	684.8
22.5°	669.6	670.1	668.5	670.6	670.9
25°	654.4	654.9	652.8	654.9	655.2
27.5°	638.4	638.6	636.8	638.4	638.2
30°	619.8	621.4	619.0	618.4	618.3
32.5°	600.4	600.6	598.4	597.8	598.8
35°	578.2	578.4	576.8	576.1	574.5
37.5°	553.8	553.8	550.8	550.4	550.1
40°	527.0	526.7	524.9	523.1	521.2
42.5°	497.9	498.5	494.8	491.6	491.1
45°	466.2	464.4	461.0	457.3	457.6
47.5°	428.8	429.2	424.6	421.6	420.9
50°	389.9	389.9	385.5	382.4	380.8
52.5°	349.4	349.6	345.5	341.3	340.4
55°	307.9	310.5	306.6	301.7	300.6
57.5°	269.2	271.3	267.6	262.3	262.0
60°	233.3	233.5	232.4	227.5	226.1
62.5°	202.6	201.3	200.7	198.1	196.5
65°	173.8	174.1	172.7	169.8	169.3
67.5°	150.4	150.2	147.8	146.0	144.9
70°	127.6	126.8	125.8	124.3	123.2
72.5°	107.2	107.2	106.4	105.9	104.1
75°	89.4	88.4	87.3	87.8	85.7
77.5°	72.4	71.3	70.5	69.4	68.9
80°	54.8	53.7	54.0	52.4	52.2
82.5°	38.0	38.0	37.5	36.2	36.5
85°	21.7	22.0	21.5	21.7	20.7
87.5°	7.9	8.1	8.7	8.1	8.1
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	12.9	14.4	13.2	14.8	15.1	12.7	14.2	13.0	14.5	14.8
	3H	14.2	15.6	14.6	16.0	16.3	14.0	15.4	14.4	15.7	16.1
	4H	14.7	16.1	15.1	16.4	16.8	14.5	15.8	14.9	16.2	16.6
	6H	15.2	16.4	15.6	16.7	17.1	14.9	16.1	15.3	16.5	16.9
	8H	15.3	16.4	15.7	16.8	17.2	15.1	16.2	15.5	16.6	17.0
	12H	15.4	16.5	15.8	16.9	17.3	15.1	16.2	15.6	16.6	17.1
4H	2H	13.3	14.6	13.7	15.0	15.4	13.1	14.5	13.5	14.8	15.2
	3H	14.9	16.0	15.3	16.4	16.8	14.7	15.8	15.1	16.2	16.6
	4H	15.6	16.5	16.0	17.0	17.4	15.4	16.4	15.8	16.8	17.2
	6H	16.1	17.0	16.5	17.4	17.9	15.9	16.8	16.4	17.2	17.7
	8H	16.3	17.1	16.7	17.5	18.0	16.1	16.9	16.5	17.3	17.8
	12H	16.4	17.1	16.9	17.6	18.1	16.2	16.9	16.7	17.4	17.9
8H	4H	15.8	16.6	16.3	17.0	17.5	15.6	16.4	16.1	16.9	17.4
	6H	16.4	17.1	16.9	17.6	18.1	16.3	16.9	16.8	17.4	17.9
	8H	16.7	17.3	17.2	17.8	18.3	16.5	17.1	17.0	17.6	18.1
	12H	16.9	17.4	17.4	17.9	18.5	16.7	17.2	17.2	17.7	18.3
12H	4H	15.8	16.5	16.3	17.0	17.5	15.7	16.4	16.1	16.9	17.3
	6H	16.5	17.1	17.0	17.6	18.1	16.3	16.9	16.9	17.4	17.9
	8H	16.8	17.3	17.3	17.8	18.4	16.6	17.1	17.1	17.6	18.2

(END OF REPORT)