

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: P1471680

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471680
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: 22PTR-20S-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens White Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

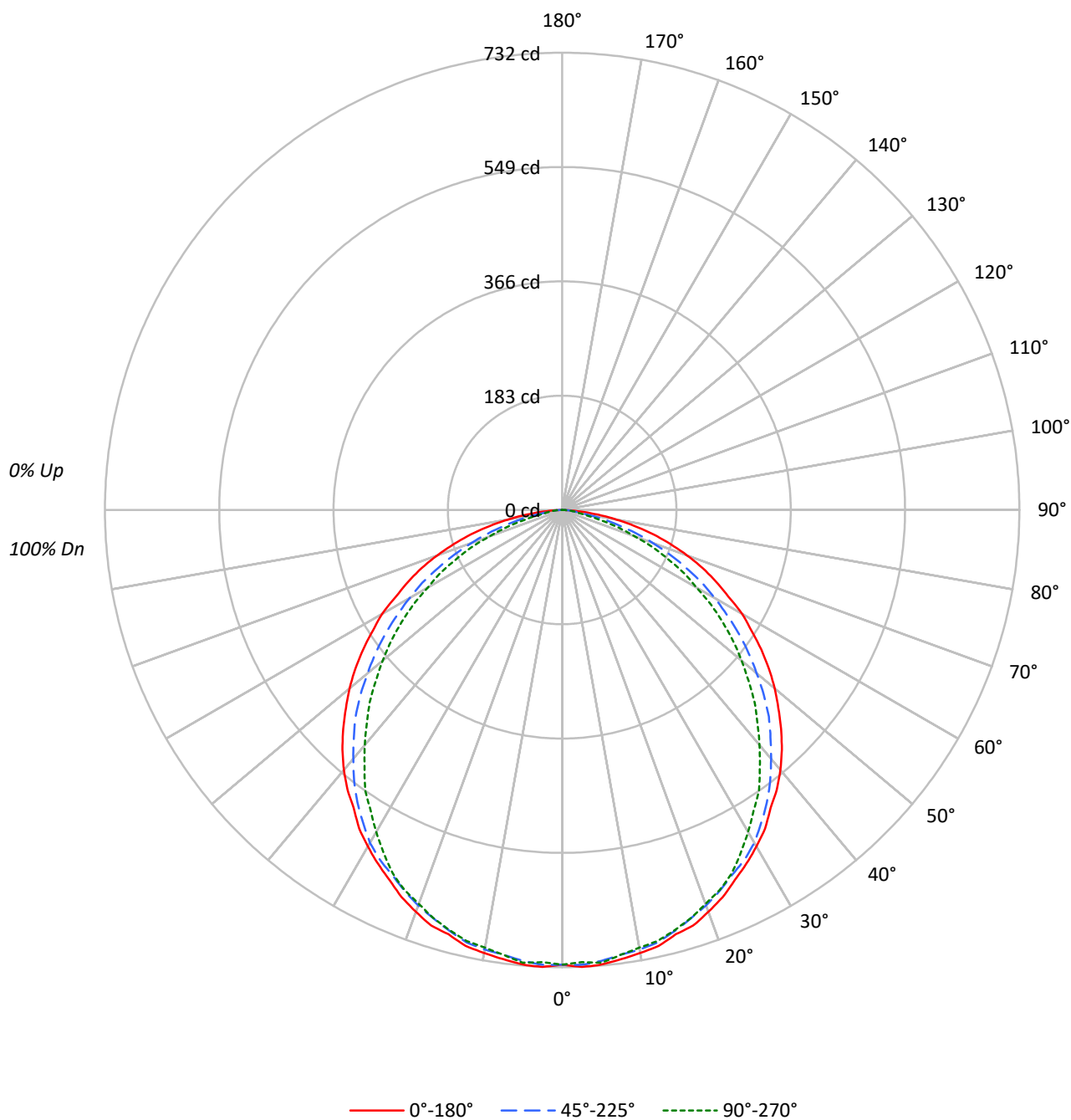
Lumens per Lamp: N/A
Luminaire Lumens: 1939.0 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	101	97	107	103	99	96		98	95	93		95	92	90		91	89	87
2	100	92	85	80	97	90	84	79		87	81	77		83	79	75		80	77	74
3	91	81	73	67	89	79	72	66		76	70	65		74	68	64		71	67	63
4	84	72	63	57	81	71	63	56		68	61	56		66	60	55		64	58	54
5	77	64	56	49	75	63	55	49		61	54	48		59	53	48		57	52	47
6	71	58	49	43	69	57	49	43		55	48	42		54	47	42		52	46	42
7	66	53	44	38	64	52	44	38		50	43	38		49	42	37		48	42	37
8	61	48	40	34	60	47	39	34		46	39	34		45	38	33		44	38	33
9	57	44	36	31	56	44	36	30		42	35	30		41	35	30		40	34	30
10	54	41	33	28	53	40	33	28		39	32	28		38	32	27		37	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1959	1959	1959
5°	1973	1957	1965
10°	1968	1952	1944
15°	1959	1943	1940
20°	1960	1929	1922
25°	1941	1913	1907
30°	1933	1912	1850
35°	1911	1877	1804
40°	1910	1828	1727
45°	1886	1780	1658
50°	1860	1701	1568
55°	1825	1621	1473
60°	1792	1517	1337
65°	1731	1391	1195
70°	1675	1211	976
75°	1573	955	672
80°	1364	578	403
85°	911	414	389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1886 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	3.6
10°-20°	197.4	10.2
20°-30°	298.3	15.4
30°-40°	354.6	18.3
40°-50°	359.6	18.5
50°-60°	312.3	16.1
60°-70°	221.7	11.4
70°-80°	106.0	5.5
80°-90°	20.1	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°	564.7	29.1
0°-40°	919.3	47.4
0°-60°	1591.2	82.1
0°-90°	1939.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1939.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	728	728	728	728	728	
5°	730	728	724	726	728	69
15°	703	705	698	697	696	199
25°	654	653	644	647	642	302
35°	582	581	571	552	549	366
45°	496	491	468	443	436	382
55°	389	377	346	325	314	348
65°	272	252	218	195	188	269
75°	151	124	92	73	65	159
85°	30	16	13	13	13	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	727.9	727.9	727.9	727.9	727.9
2.5°	732.3	729.7	728.8	731.8	724.5
5°	730.5	727.9	724.5	726.2	727.5
7.5°	725.3	723.2	718.4	722.3	718.4
10°	720.1	718.0	714.5	715.8	711.4
12.5°	714.9	709.7	708.8	709.7	706.7
15°	703.2	704.9	697.6	696.7	696.3
17.5°	697.6	693.2	685.4	685.9	685.0
20°	684.6	679.4	673.7	672.9	671.1
22.5°	671.1	665.1	659.9	662.5	658.6
25°	653.8	652.9	644.3	646.9	642.1
27.5°	638.6	635.6	631.7	626.0	619.1
30°	622.1	619.1	615.2	600.5	595.3
32.5°	604.8	601.3	593.5	576.2	570.5
35°	581.8	581.0	571.4	551.9	549.3
37.5°	564.5	554.9	547.1	527.2	519.8
40°	543.7	538.5	520.3	501.2	491.6
42.5°	520.7	514.6	493.8	473.4	463.0
45°	495.5	491.2	467.8	443.1	435.7
47.5°	469.5	465.6	437.9	414.0	404.5
50°	444.4	439.6	406.2	383.3	374.6
52.5°	417.1	409.3	376.3	353.8	345.5
55°	388.9	377.2	345.5	325.2	313.9
57.5°	359.0	348.1	313.0	291.8	282.7
60°	333.0	317.8	281.8	260.1	248.4
62.5°	299.6	286.6	252.3	226.7	221.1
65°	271.8	251.5	218.5	195.1	187.7
67.5°	243.7	219.8	186.4	162.6	158.7
70°	212.9	188.2	153.9	130.5	124.0
72.5°	181.7	157.4	124.0	99.3	95.4
75°	151.3	123.6	91.9	72.8	64.6
77.5°	118.4	93.2	64.6	44.7	39.5
80°	88.0	62.9	37.3	26.4	26.0
82.5°	57.7	36.4	19.9	20.4	19.5
85°	29.5	15.6	13.4	13.0	12.6
87.5°	5.6	6.1	6.5	6.5	6.5
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	14.5	16.1	14.8	16.4	16.7	13.2	14.8	13.5	15.1	15.4
	3H	16.3	17.7	16.7	18.1	18.4	14.4	15.9	14.8	16.2	16.6
	4H	17.0	18.4	17.4	18.7	19.1	14.7	16.1	15.1	16.4	16.8
	6H	17.5	18.7	17.9	19.1	19.5	14.8	16.1	15.2	16.4	16.8
	8H	17.6	18.8	18.0	19.2	19.6	14.8	16.0	15.2	16.4	16.8
	12H	17.7	18.8	18.1	19.2	19.6	14.8	16.0	15.2	16.3	16.8
4H	2H	14.9	16.3	15.3	16.6	17.0	13.8	15.2	14.2	15.5	15.9
	3H	16.9	18.0	17.3	18.4	18.8	15.3	16.4	15.7	16.8	17.2
	4H	17.7	18.7	18.1	19.1	19.6	15.6	16.6	16.1	17.1	17.5
	6H	18.3	19.2	18.8	19.6	20.1	15.7	16.6	16.2	17.1	17.5
	8H	18.5	19.3	18.9	19.7	20.2	15.8	16.6	16.2	17.0	17.5
	12H	18.6	19.3	19.0	19.8	20.2	15.8	16.5	16.3	17.0	17.5
8H	4H	17.8	18.6	18.3	19.1	19.5	15.9	16.7	16.4	17.2	17.6
	6H	18.4	19.1	18.9	19.6	20.1	16.0	16.7	16.5	17.2	17.7
	8H	18.6	19.3	19.2	19.8	20.3	16.1	16.7	16.6	17.2	17.7
	12H	18.8	19.3	19.3	19.8	20.4	16.1	16.7	16.6	17.2	17.7
12H	4H	17.8	18.5	18.3	19.0	19.5	15.9	16.7	16.4	17.1	17.6
	6H	18.4	19.0	19.0	19.5	20.0	16.1	16.7	16.6	17.1	17.7
	8H	18.7	19.2	19.2	19.7	20.2	16.1	16.7	16.6	17.2	17.7

(END OF REPORT)