

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: P1471686

Luminaire Tested: 22PTR-20S-PL1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20S-PL1-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens White Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

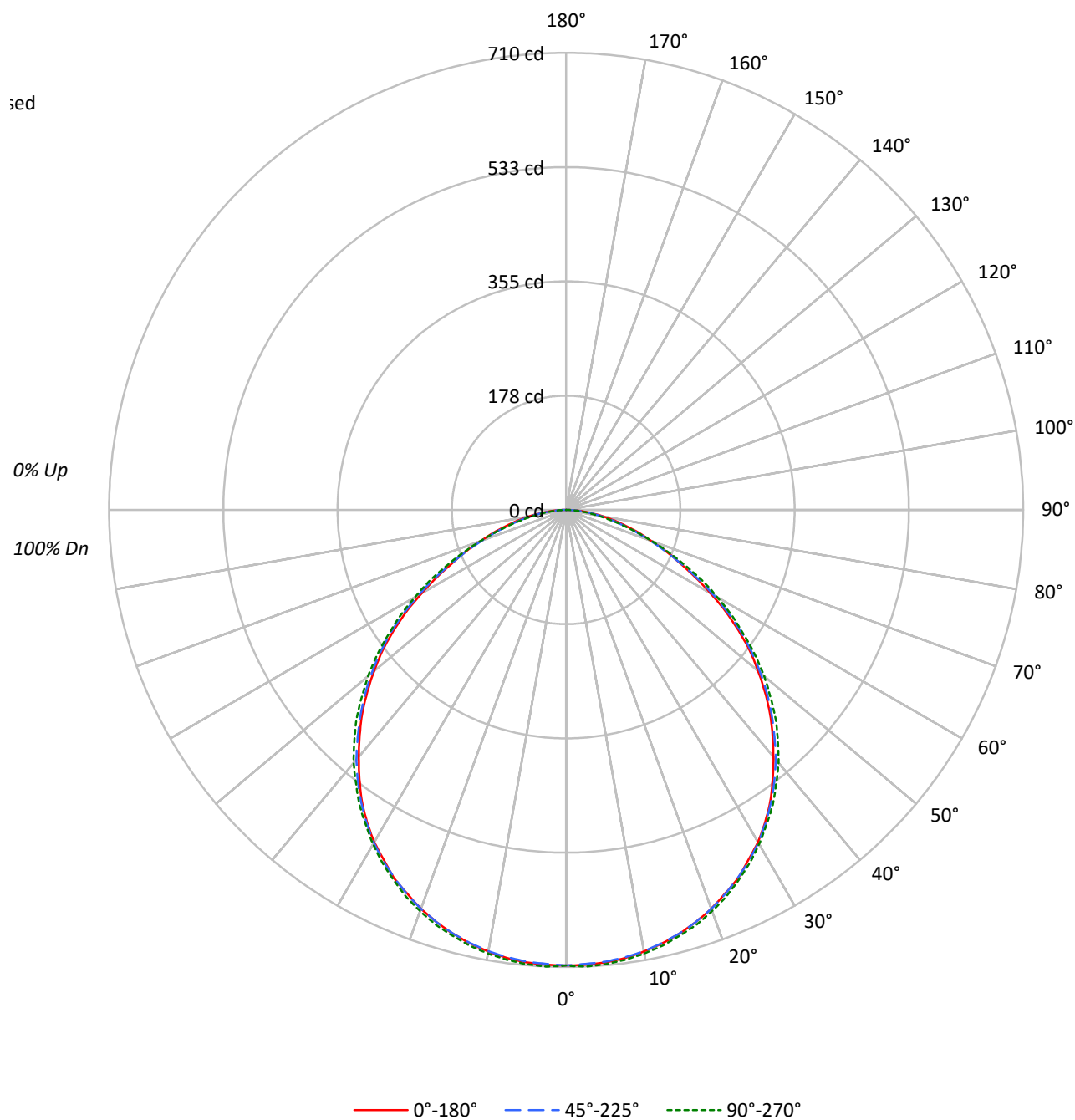
Lumens per Lamp: N/A
Luminaire Lumens: 1865.7 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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		94	92	90		91	89	87
2	100	92	86	80	97	90	84	79		87	82	77		83	79	75		80	77	74
3	91	81	73	67	89	80	72	66		77	70	65		74	69	64		71	67	63
4	84	72	64	57	82	71	63	57		68	61	56		66	60	55		64	59	55
5	77	65	56	49	75	64	55	49		61	54	49		60	53	48		58	52	48
6	71	58	50	43	69	57	49	43		56	48	43		54	47	42		52	47	42
7	66	53	44	38	65	52	44	38		51	43	38		49	43	38		48	42	37
8	62	48	40	34	60	48	40	34		46	39	34		45	39	34		44	38	34
9	58	44	36	31	56	44	36	31		43	36	31		42	35	30		41	35	30
10	54	41	33	28	53	41	33	28		40	33	28		39	32	28		38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1905	1905	1905
5°	1906	1903	1913
10°	1904	1902	1912
15°	1898	1897	1907
20°	1889	1889	1899
25°	1876	1873	1883
30°	1852	1855	1863
35°	1817	1824	1838
40°	1760	1781	1803
45°	1705	1719	1752
50°	1630	1648	1680
55°	1536	1560	1579
60°	1393	1422	1458
65°	1237	1251	1301
70°	1105	1083	1110
75°	998	940	921
80°	907	841	747
85°	769	698	599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1752 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	3.6
10°-20°	192.6	10.3
20°-30°	291.3	15.6
30°-40°	347.2	18.6
40°-50°	349.1	18.7
50°-60°	296.3	15.9
60°-70°	197.3	10.6
70°-80°	98.5	5.3
80°-90°	26.3	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°	551.0	29.5
0°-40°	898.1	48.1
0°-60°	1543.6	82.7
0°-90°	1865.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1865.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	708	708	708	708	708	
5°	706	706	704	708	708	67
15°	681	682	681	684	684	192
25°	632	632	631	634	634	290
35°	553	554	555	559	560	345
45°	448	449	452	458	460	345
55°	327	330	332	336	336	292
65°	194	196	196	199	204	195
75°	96	95	90	88	89	103
85°	25	24	23	21	19	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	707.8	707.8	707.8	707.8	707.8
2.5°	707.2	707.8	705.9	709.3	710.2
5°	705.7	705.9	704.4	707.5	708.3
7.5°	702.3	702.5	700.9	704.4	704.8
10°	696.7	697.3	696.0	699.1	699.9
12.5°	689.7	690.4	689.1	692.5	693.1
15°	681.3	682.1	681.0	683.9	684.4
17.5°	671.0	671.6	671.0	673.7	675.2
20°	659.5	659.5	659.5	661.9	663.2
22.5°	645.1	646.4	645.9	649.0	650.3
25°	631.7	631.7	630.9	633.8	634.3
27.5°	613.1	615.2	615.0	617.6	618.1
30°	596.0	596.6	596.9	598.7	599.7
32.5°	575.3	575.8	576.7	579.2	579.5
35°	553.0	553.6	555.1	559.0	559.6
37.5°	527.1	530.0	531.3	535.5	536.0
40°	501.1	502.9	506.9	511.3	513.4
42.5°	474.6	476.7	479.1	485.1	487.0
45°	448.1	448.9	451.8	457.9	460.5
47.5°	418.8	421.2	423.7	429.0	430.6
50°	389.4	392.0	393.6	398.3	401.4
52.5°	359.8	362.2	364.0	366.9	370.0
55°	327.3	329.6	332.5	335.7	336.5
57.5°	294.2	296.8	298.7	302.1	305.5
60°	258.8	261.8	264.3	267.5	270.9
62.5°	225.8	227.1	229.7	235.0	239.9
65°	194.3	195.9	196.4	199.3	204.3
67.5°	168.1	168.1	165.7	166.8	172.3
70°	140.5	139.5	137.7	136.6	141.1
72.5°	118.3	116.9	113.0	111.2	113.6
75°	96.0	94.6	90.4	88.3	88.6
77.5°	77.1	75.0	71.6	67.9	67.2
80°	58.5	57.6	54.3	50.9	48.2
82.5°	41.4	39.6	37.7	35.6	33.5
85°	24.9	24.4	22.6	21.2	19.4
87.5°	10.2	10.2	9.7	9.1	8.7
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	13.4	15.0	13.8	15.4	15.7	13.6	15.2	14.0	15.5	15.8
	3H	14.8	16.3	15.2	16.6	16.9	14.9	16.4	15.3	16.7	17.0
	4H	15.3	16.7	15.7	17.0	17.4	15.4	16.7	15.8	17.0	17.4
	6H	15.7	17.0	16.1	17.3	17.7	15.6	16.9	16.0	17.2	17.6
	8H	15.8	17.0	16.3	17.4	17.8	15.7	16.9	16.1	17.3	17.7
	12H	15.9	17.1	16.4	17.4	17.9	15.8	16.9	16.2	17.3	17.7
4H	2H	13.9	15.3	14.3	15.6	16.0	14.1	15.4	14.5	15.8	16.1
	3H	15.5	16.6	15.9	17.0	17.4	15.6	16.7	16.0	17.1	17.5
	4H	16.1	17.2	16.6	17.6	18.0	16.1	17.1	16.6	17.5	18.0
	6H	16.7	17.5	17.1	18.0	18.4	16.5	17.4	17.0	17.8	18.3
	8H	16.8	17.7	17.3	18.1	18.6	16.6	17.4	17.1	17.9	18.4
	12H	17.0	17.7	17.4	18.2	18.6	16.7	17.4	17.2	17.9	18.4
8H	4H	16.4	17.2	16.8	17.6	18.1	16.3	17.2	16.8	17.6	18.1
	6H	17.0	17.7	17.5	18.1	18.6	16.8	17.5	17.3	18.0	18.5
	8H	17.2	17.8	17.7	18.3	18.8	17.0	17.6	17.5	18.1	18.6
	12H	17.4	17.9	17.9	18.4	19.0	17.1	17.7	17.6	18.2	18.7
12H	4H	16.4	17.1	16.9	17.6	18.1	16.4	17.1	16.8	17.6	18.0
	6H	17.0	17.6	17.5	18.1	18.6	16.9	17.5	17.4	17.9	18.5
	8H	17.3	17.8	17.8	18.3	18.9	17.1	17.6	17.6	18.1	18.7

(END OF REPORT)