

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: P1471681

Luminaire Tested: 22PTR-20S-PB1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20S-PB1-L835-UNV-STD-B
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens Black Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

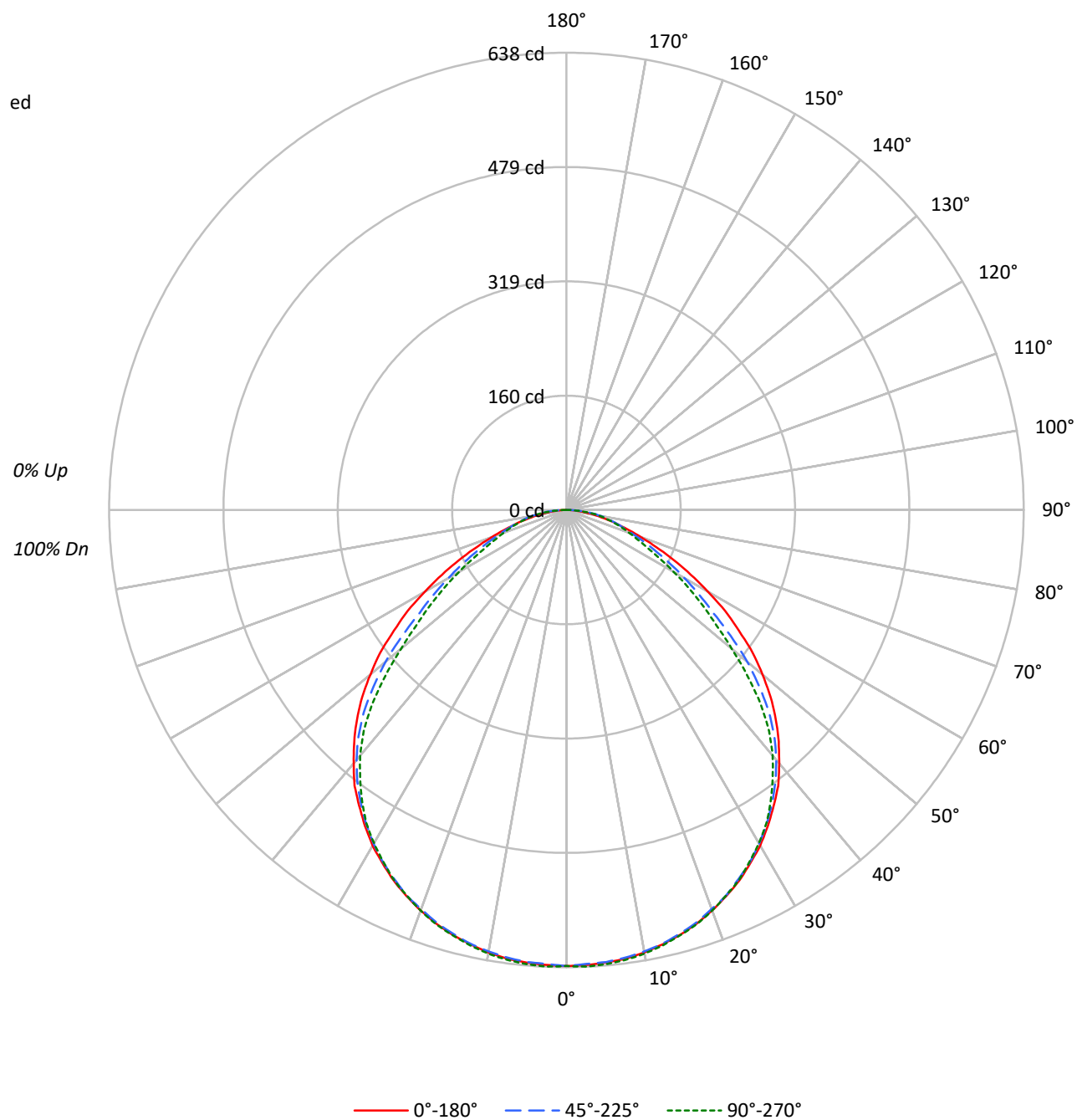
Lumens per Lamp: N/A
Luminaire Lumens: 1586.6 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	105	101	98	107	103	99	96		99	96	93			95	93	90			91
2	100	93	86	81	98	91	85	80		87	83	78			84	80	77			81
3	92	82	75	69	90	81	74	68		78	72	67			75	70	66			73
4	85	73	65	59	83	72	64	58		70	63	58			67	62	57			65
5	78	66	57	51	76	65	57	51		63	56	50			61	55	50			59
6	72	60	51	45	71	59	51	45		57	50	44			55	49	44			54
7	67	54	46	40	66	53	45	40		52	45	39			51	44	39			49
8	63	50	41	36	61	49	41	36		48	41	35			46	40	35			45
9	59	46	38	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	42	34	29		41	34	29			40	33	29			39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1712	1712	1712
5°	1712	1710	1719
10°	1713	1709	1717
15°	1709	1705	1711
20°	1703	1697	1703
25°	1694	1687	1692
30°	1680	1671	1668
35°	1656	1643	1633
40°	1622	1600	1572
45°	1572	1522	1459
50°	1494	1379	1261
55°	1377	1171	1087
60°	1226	1024	931
65°	1051	888	793
70°	868	782	727
75°	732	749	708
80°	618	764	728
85°	485	775	676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1572 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	3.8
10°-20°	173.1	10.9
20°-30°	262.2	16.5
30°-40°	312.5	19.7
40°-50°	305.6	19.3
50°-60°	231.1	14.6
60°-70°	142.0	8.9
70°-80°	75.6	4.8
80°-90°	24.1	1.5
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°	495.7	31.2
0°-40°	808.1	50.9
0°-60°	1344.8	84.8
0°-90°	1586.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1586.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	636	636	636	636	636	
5°	634	635	633	636	636	60
15°	614	614	612	614	614	173
25°	570	570	568	569	570	263
35°	504	503	500	498	497	315
45°	413	411	400	387	384	318
55°	294	279	250	236	232	263
65°	165	152	139	128	124	164
75°	70	71	72	70	68	75
85°	16	20	25	24	22	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	636.3	636.3	636.3	636.3	636.3
2.5°	635.5	636.3	633.9	637.1	637.8
5°	633.9	634.7	633.2	635.5	636.3
7.5°	631.6	631.6	630.0	632.3	633.2
10°	626.9	626.9	625.4	627.7	628.5
12.5°	620.7	620.7	619.8	621.4	622.2
15°	613.6	614.3	612.0	614.3	614.3
17.5°	605.0	604.2	603.4	605.0	605.8
20°	594.8	594.8	592.5	594.0	594.8
22.5°	583.0	583.0	582.3	583.0	582.3
25°	570.5	569.7	568.2	569.0	569.7
27.5°	555.7	555.7	554.1	554.1	553.3
30°	540.8	540.0	537.7	536.1	536.9
32.5°	522.8	522.0	519.7	518.1	518.9
35°	504.0	503.3	500.1	497.7	497.0
37.5°	485.3	482.9	478.9	475.8	472.7
40°	461.8	459.4	455.5	448.5	447.6
42.5°	438.3	436.0	429.6	421.1	418.7
45°	413.2	410.9	399.9	386.6	383.5
47.5°	386.6	382.7	365.5	349.0	342.8
50°	356.9	349.9	329.5	308.4	301.3
52.5°	327.9	315.4	288.8	270.0	263.0
55°	293.5	278.6	249.7	235.6	231.6
57.5°	263.0	242.6	219.1	205.1	202.0
60°	227.8	208.9	190.2	177.6	173.0
62.5°	195.6	179.2	163.6	152.6	147.2
65°	165.1	151.8	139.4	128.3	124.5
67.5°	135.4	128.3	118.2	109.6	107.2
70°	110.3	106.4	99.4	95.5	92.4
72.5°	87.7	89.2	84.5	83.0	80.6
75°	70.4	71.2	72.0	69.7	68.1
77.5°	53.2	57.1	60.2	58.7	57.1
80°	39.9	43.8	49.3	47.0	47.0
82.5°	27.4	32.1	36.8	35.2	34.4
85°	15.7	20.4	25.1	23.5	21.9
87.5°	6.2	10.2	10.9	10.9	10.2
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	12.8	14.3	13.1	14.6	14.9	11.5	13.0	11.8	13.3	13.7
	3H	14.0	15.4	14.4	15.7	16.1	12.7	14.1	13.1	14.5	14.8
	4H	14.4	15.7	14.8	16.1	16.4	13.3	14.6	13.7	14.9	15.3
	6H	14.7	15.9	15.1	16.3	16.7	13.8	15.0	14.2	15.4	15.7
	8H	14.8	15.9	15.2	16.3	16.7	14.0	15.1	14.4	15.5	15.9
	12H	14.8	15.9	15.3	16.3	16.7	14.1	15.2	14.5	15.6	16.0
4H	2H	13.1	14.4	13.5	14.7	15.1	12.0	13.3	12.4	13.7	14.0
	3H	14.5	15.6	14.9	16.0	16.4	13.5	14.6	13.9	15.0	15.4
	4H	15.1	16.1	15.5	16.5	16.9	14.2	15.2	14.6	15.6	16.0
	6H	15.5	16.4	16.0	16.8	17.3	14.8	15.7	15.3	16.1	16.6
	8H	15.6	16.4	16.1	16.9	17.3	15.1	15.9	15.5	16.3	16.8
	12H	15.7	16.4	16.2	16.9	17.4	15.3	16.0	15.8	16.5	16.9
8H	4H	15.3	16.1	15.7	16.5	17.0	14.5	15.3	14.9	15.7	16.2
	6H	15.8	16.5	16.3	17.0	17.5	15.3	15.9	15.8	16.4	16.9
	8H	16.0	16.6	16.6	17.2	17.6	15.6	16.2	16.1	16.7	17.2
	12H	16.2	16.7	16.7	17.2	17.8	15.9	16.4	16.4	16.9	17.5
12H	4H	15.3	16.0	15.8	16.5	17.0	14.5	15.2	15.0	15.7	16.2
	6H	15.9	16.5	16.4	17.0	17.5	15.4	16.0	15.9	16.4	17.0
	8H	16.2	16.7	16.7	17.2	17.7	15.8	16.3	16.3	16.8	17.3

(END OF REPORT)