

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: P1471682

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471682
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-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

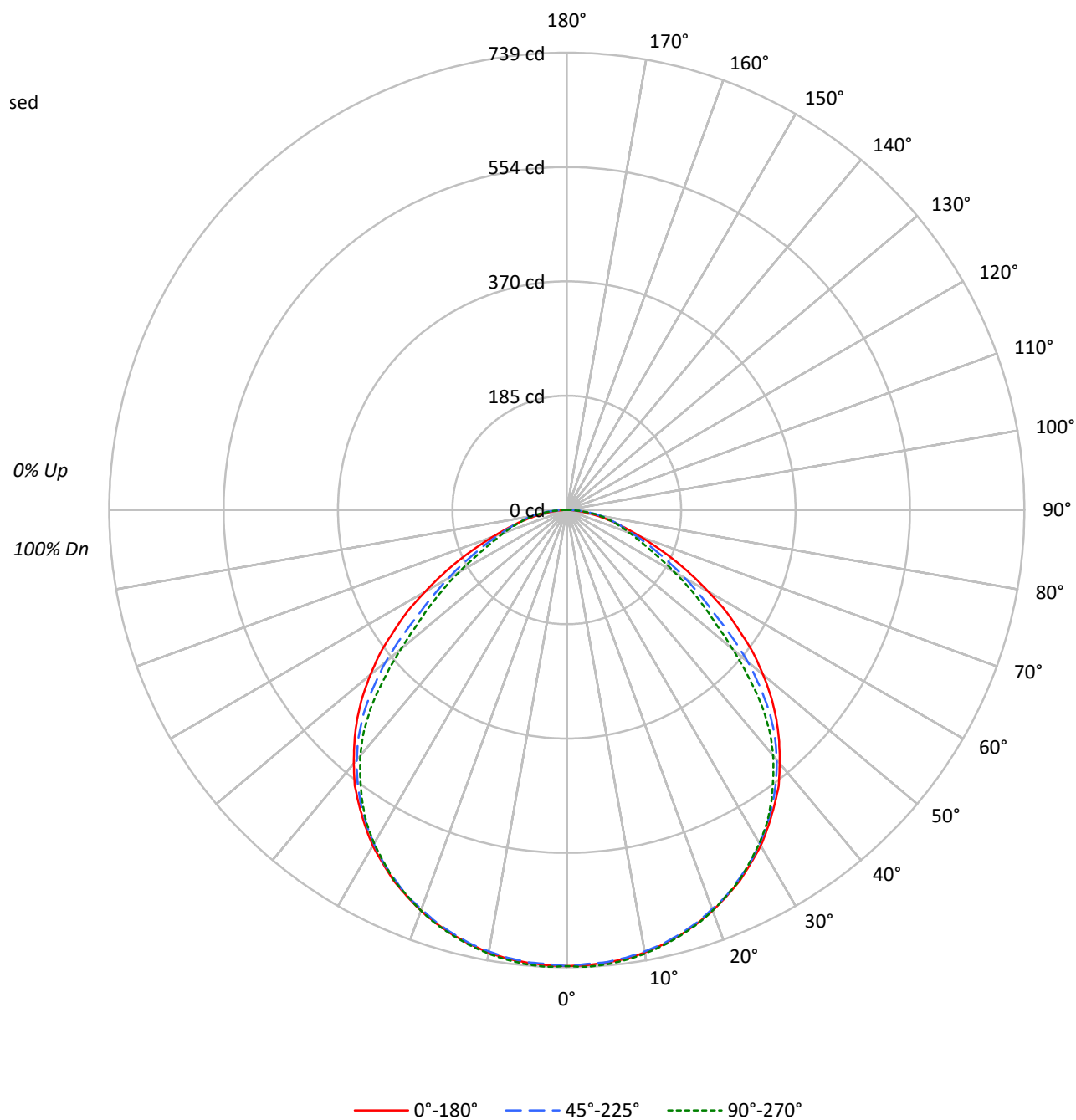
Lumens per Lamp: N/A
Luminaire Lumens: 1838.1 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1984	1984	1984
5°	1984	1981	1991
10°	1985	1980	1990
15°	1981	1975	1983
20°	1973	1966	1973
25°	1963	1954	1960
30°	1947	1936	1933
35°	1918	1903	1892
40°	1879	1854	1822
45°	1822	1763	1691
50°	1731	1598	1461
55°	1595	1357	1259
60°	1420	1186	1079
65°	1218	1028	918
70°	1006	906	842
75°	848	867	820
80°	717	885	843
85°	562	895	784

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1822 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	3.8
10°-20°	200.6	10.9
20°-30°	303.8	16.5
30°-40°	362.0	19.7
40°-50°	354.0	19.3
50°-60°	267.8	14.6
60°-70°	164.5	8.9
70°-80°	87.6	4.8
80°-90°	28.0	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°	574.3	31.2
0°-40°	936.3	50.9
0°-60°	1558.0	84.8
0°-90°	1838.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1838.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	737	737	737	737	737	
5°	734	735	734	736	737	70
15°	711	712	709	712	712	201
25°	661	660	658	659	660	304
35°	584	583	579	577	576	365
45°	479	476	463	448	444	368
55°	340	323	289	273	268	304
65°	191	176	161	149	144	190
75°	82	82	83	81	79	87
85°	18	24	29	27	25	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	737.2	737.2	737.2	737.2	737.2
2.5°	736.3	737.2	734.4	738.1	739.0
5°	734.4	735.3	733.5	736.3	737.2
7.5°	731.7	731.7	729.9	732.6	733.5
10°	726.3	726.3	724.5	727.2	728.1
12.5°	719.1	719.1	718.1	719.9	720.9
15°	710.9	711.7	709.1	711.7	711.7
17.5°	700.9	700.0	699.1	700.9	701.8
20°	689.1	689.1	686.4	688.2	689.1
22.5°	675.5	675.5	674.6	675.5	674.6
25°	661.0	660.0	658.2	659.2	660.0
27.5°	643.8	643.8	642.0	642.0	641.0
30°	626.5	625.6	622.9	621.1	622.0
32.5°	605.7	604.7	602.1	600.3	601.1
35°	583.9	583.0	579.4	576.7	575.8
37.5°	562.2	559.4	554.9	551.2	547.6
40°	535.0	532.2	527.7	519.5	518.6
42.5°	507.7	505.1	497.7	487.8	485.1
45°	478.7	476.0	463.3	447.9	444.3
47.5°	447.9	443.4	423.4	404.4	397.1
50°	413.5	405.3	381.7	357.2	349.1
52.5°	379.9	365.4	334.6	312.8	304.7
55°	340.0	322.8	289.3	272.9	268.3
57.5°	304.7	281.1	253.9	237.6	234.0
60°	263.9	242.1	220.4	205.8	200.4
62.5°	226.6	207.6	189.5	176.8	170.5
65°	191.3	175.9	161.4	148.7	144.2
67.5°	156.9	148.7	136.9	127.0	124.2
70°	127.8	123.3	115.2	110.6	107.0
72.5°	101.6	103.4	98.0	96.1	93.4
75°	81.6	82.5	83.4	80.7	78.9
77.5°	61.7	66.2	69.8	68.0	66.2
80°	46.3	50.7	57.1	54.4	54.4
82.5°	31.7	37.2	42.6	40.8	39.9
85°	18.2	23.6	29.0	27.2	25.4
87.5°	7.2	11.8	12.7	12.7	11.8
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	13.3	14.8	13.6	15.1	15.5	12.0	13.5	12.3	13.9	14.2
	3H	14.5	15.9	14.9	16.2	16.6	13.2	14.6	13.6	15.0	15.3
	4H	14.9	16.2	15.3	16.6	17.0	13.8	15.1	14.2	15.4	15.8
	6H	15.2	16.4	15.6	16.8	17.2	14.3	15.5	14.7	15.9	16.3
	8H	15.3	16.4	15.7	16.8	17.2	14.5	15.6	14.9	16.0	16.4
	12H	15.3	16.5	15.8	16.8	17.3	14.6	15.7	15.0	16.1	16.5
4H	2H	13.6	14.9	14.0	15.2	15.6	12.5	13.8	12.9	14.2	14.5
	3H	15.0	16.1	15.5	16.5	16.9	14.0	15.1	14.4	15.5	15.9
	4H	15.6	16.6	16.0	17.0	17.4	14.7	15.7	15.1	16.1	16.5
	6H	16.0	16.9	16.5	17.3	17.8	15.3	16.2	15.8	16.6	17.1
	8H	16.1	16.9	16.6	17.4	17.9	15.6	16.4	16.1	16.8	17.3
	12H	16.2	17.0	16.7	17.4	17.9	15.8	16.5	16.3	17.0	17.4
8H	4H	15.8	16.6	16.3	17.0	17.5	15.0	15.8	15.5	16.2	16.7
	6H	16.3	17.0	16.8	17.5	18.0	15.8	16.5	16.3	16.9	17.4
	8H	16.6	17.2	17.1	17.7	18.2	16.1	16.7	16.6	17.2	17.7
	12H	16.7	17.3	17.2	17.7	18.3	16.4	17.0	16.9	17.4	18.0
12H	4H	15.8	16.5	16.3	17.0	17.5	15.0	15.7	15.5	16.2	16.7
	6H	16.4	17.0	16.9	17.5	18.0	15.9	16.5	16.4	16.9	17.5
	8H	16.7	17.2	17.2	17.7	18.3	16.3	16.8	16.8	17.3	17.9



(END OF REPORT)