

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: P1471694

Luminaire Tested: 22PTR-20S-PW1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20S-PW1-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens White Rece:
Frame
Light Source: -
Ballast/Driver: -

Summary

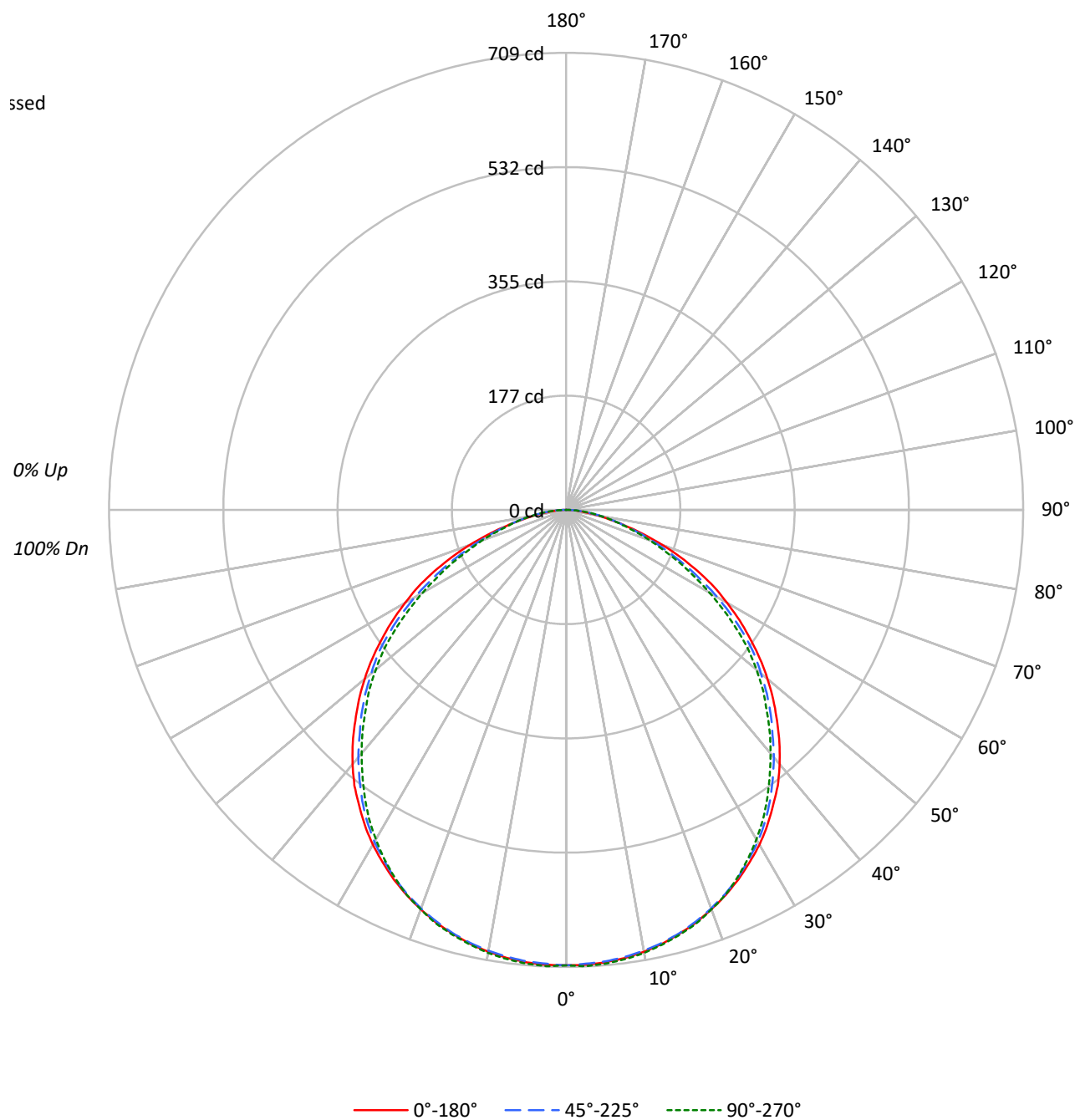
Lumens per Lamp: N/A
Luminaire Lumens: 1874.9 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1901	1901	1901
5°	1903	1899	1908
10°	1902	1898	1907
15°	1896	1893	1900
20°	1888	1884	1888
25°	1878	1870	1868
30°	1864	1847	1834
35°	1839	1811	1788
40°	1811	1761	1733
45°	1760	1708	1674
50°	1707	1652	1613
55°	1636	1581	1518
60°	1551	1460	1383
65°	1435	1303	1238
70°	1244	1135	1092
75°	993	971	944
80°	755	843	843
85°	559	719	719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1760 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	3.6
10°-20°	192.2	10.3
20°-30°	290.4	15.5
30°-40°	344.9	18.4
40°-50°	347.5	18.5
50°-60°	300.3	16.0
60°-70°	205.3	10.9
70°-80°	101.2	5.4
80°-90°	26.2	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°	549.6	29.3
0°-40°	894.5	47.7
0°-60°	1542.2	82.3
0°-90°	1874.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1874.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	706	706	706	706	706	
5°	704	705	703	706	706	67
15°	681	681	680	682	682	192
25°	632	632	630	630	629	291
35°	560	558	551	546	544	350
45°	463	458	449	444	440	357
55°	349	348	337	327	324	312
65°	225	217	205	196	194	222
75°	96	95	93	93	91	104
85°	18	21	23	24	23	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	706.5	706.5	706.5	706.5	706.5
2.5°	706.3	706.5	704.7	707.8	708.6
5°	704.4	704.7	702.9	705.7	706.5
7.5°	701.1	701.5	699.4	702.3	702.9
10°	696.0	696.3	694.5	697.4	697.9
12.5°	689.3	689.5	687.9	690.5	690.5
15°	680.6	681.4	679.6	681.9	682.1
17.5°	670.9	671.2	669.4	672.0	672.5
20°	659.4	659.4	657.9	660.0	659.4
22.5°	646.6	646.6	644.8	645.8	646.3
25°	632.5	631.9	629.8	630.4	629.3
27.5°	616.2	616.2	612.5	612.5	610.7
30°	599.8	598.4	594.5	592.1	590.3
32.5°	580.8	579.0	574.1	569.9	568.6
35°	559.7	557.8	551.2	546.3	544.2
37.5°	539.3	535.1	526.4	521.5	519.1
40°	515.4	510.2	501.3	494.5	493.4
42.5°	489.8	485.6	474.1	469.1	467.8
45°	462.6	457.5	448.9	443.7	439.8
47.5°	435.9	432.2	422.3	416.0	414.6
50°	407.8	404.7	394.5	387.7	385.3
52.5°	378.8	376.7	368.0	359.4	356.5
55°	348.7	347.7	336.9	326.9	323.5
57.5°	319.1	317.8	304.4	292.9	289.7
60°	288.2	284.3	271.2	260.5	257.0
62.5°	258.9	250.6	236.4	228.0	224.1
65°	225.3	217.3	204.7	195.8	194.5
67.5°	192.4	182.7	173.0	167.5	163.3
70°	158.1	151.5	144.2	139.5	138.8
72.5°	126.1	121.5	117.8	114.9	112.5
75°	95.5	94.7	93.4	93.4	90.8
77.5°	70.2	72.0	73.1	72.8	73.3
80°	48.7	52.3	54.4	54.7	54.4
82.5°	30.9	35.1	38.5	39.0	39.6
85°	18.1	21.2	23.3	23.8	23.3
87.5°	8.1	10.2	10.7	11.2	10.7
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	13.9	15.5	14.3	15.8	16.1	13.3	14.9	13.7	15.2	15.6
	3H	15.4	16.8	15.8	17.1	17.5	14.7	16.2	15.1	16.5	16.8
	4H	15.8	17.2	16.2	17.5	17.9	15.2	16.5	15.6	16.9	17.3
	6H	16.1	17.3	16.5	17.7	18.1	15.5	16.8	16.0	17.2	17.6
	8H	16.1	17.3	16.6	17.7	18.1	15.7	16.9	16.1	17.2	17.6
	12H	16.2	17.3	16.6	17.7	18.1	15.7	16.9	16.2	17.3	17.7
4H	2H	14.4	15.7	14.8	16.1	16.5	13.9	15.2	14.3	15.6	16.0
	3H	16.0	17.2	16.4	17.6	18.0	15.5	16.6	15.9	17.0	17.4
	4H	16.6	17.6	17.0	18.0	18.4	16.1	17.1	16.5	17.5	17.9
	6H	16.9	17.8	17.4	18.3	18.7	16.5	17.4	17.0	17.9	18.3
	8H	17.0	17.9	17.5	18.3	18.8	16.7	17.5	17.2	18.0	18.4
	12H	17.1	17.8	17.6	18.3	18.8	16.8	17.6	17.3	18.0	18.5
8H	4H	16.8	17.6	17.2	18.0	18.5	16.3	17.1	16.8	17.6	18.0
	6H	17.2	17.9	17.7	18.4	18.9	16.9	17.6	17.4	18.0	18.5
	8H	17.4	18.0	17.9	18.5	19.0	17.1	17.7	17.6	18.2	18.7
	12H	17.5	18.0	18.0	18.5	19.1	17.3	17.8	17.8	18.3	18.9
12H	4H	16.8	17.5	17.3	18.0	18.5	16.3	17.1	16.8	17.5	18.0
	6H	17.3	17.9	17.8	18.3	18.9	16.9	17.5	17.4	18.0	18.5
	8H	17.4	18.0	17.9	18.5	19.0	17.2	17.7	17.7	18.2	18.8

(END OF REPORT)