

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: P1471726

Luminaire Tested: 22PTR-35S-PW1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471726
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-35S-PW1-L835-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens White Rece:
Frame
Light Source: -
Ballast/Driver: -

Summary

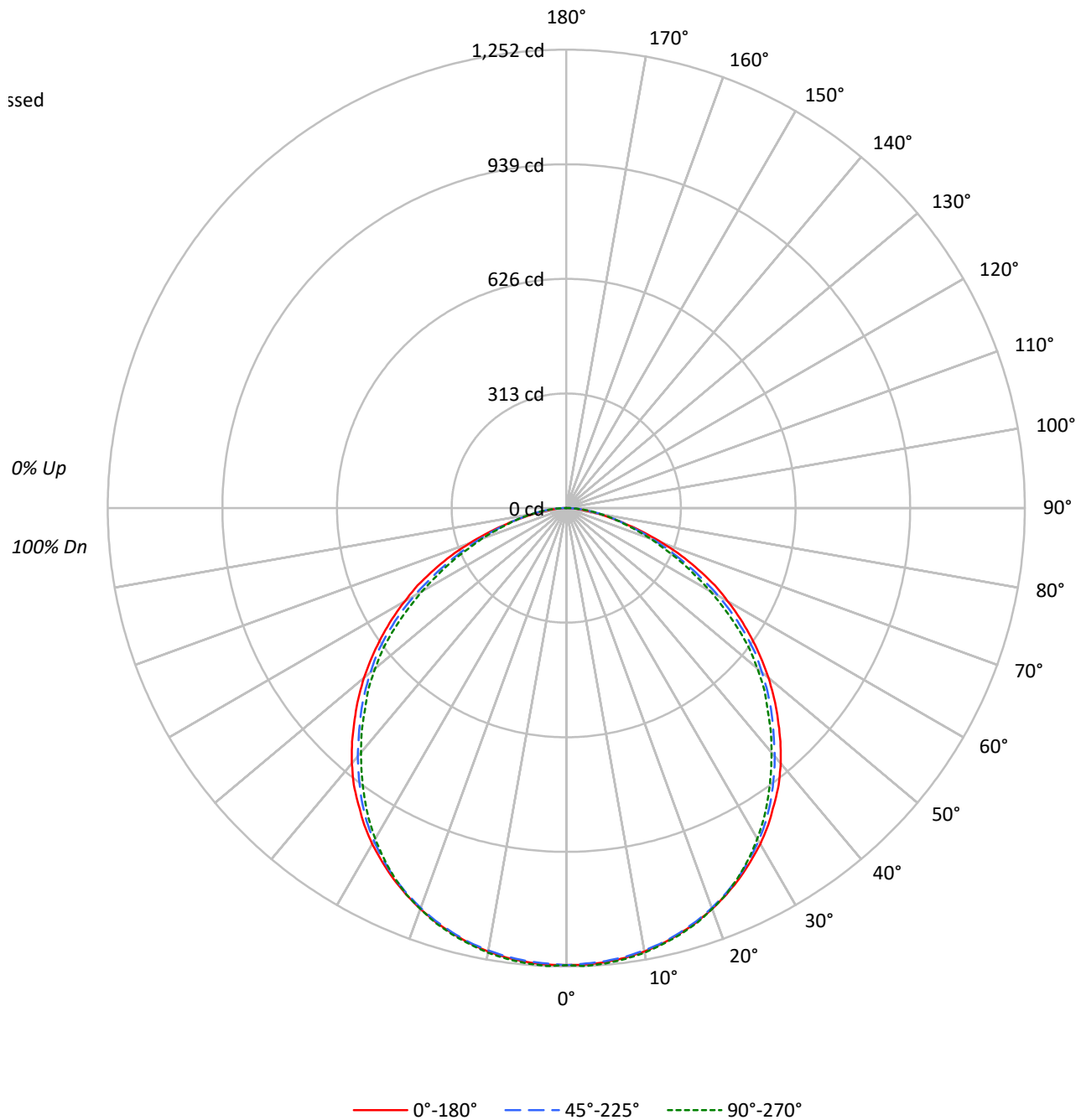
Lumens per Lamp: N/A
Luminaire Lumens: 3312.5 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.9
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	109	105	101	97	107	103	99	95		98	95	92			94	92	90			91
2	100	92	85	80	97	90	84	79		86	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	57		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	62	48	40	34	60	48	40	34		46	39	34			45	38	34			44
9	58	44	36	31	56	44	36	31		43	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	28			38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3359	3359	3359
5°	3362	3354	3372
10°	3360	3353	3369
15°	3350	3345	3358
20°	3336	3328	3336
25°	3318	3304	3301
30°	3292	3264	3241
35°	3249	3199	3159
40°	3199	3111	3062
45°	3110	3018	2957
50°	3016	2918	2850
55°	2890	2793	2682
60°	2740	2579	2444
65°	2535	2303	2188
70°	2198	2005	1929
75°	1754	1716	1669
80°	1333	1489	1489
85°	985	1272	1272

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3110 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	3.6
10°-20°	339.5	10.2
20°-30°	513.1	15.5
30°-40°	609.3	18.4
40°-50°	613.9	18.5
50°-60°	530.6	16.0
60°-70°	362.7	10.9
70°-80°	178.8	5.4
80°-90°	46.2	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°	971.0	29.3
0°-40°	1580.3	47.7
0°-60°	2724.8	82.3
0°-90°	3312.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3312.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1248	1248	1248	1248	1248	
5°	1244	1245	1242	1247	1248	118
15°	1202	1204	1201	1205	1205	339
25°	1118	1116	1113	1114	1112	515
35°	989	986	974	965	962	619
45°	817	808	793	784	777	631
55°	616	614	595	578	572	551
65°	398	384	362	346	344	393
75°	169	167	165	165	160	184
85°	32	38	41	42	41	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1248.2	1248.2	1248.2	1248.2	1248.2
2.5°	1247.9	1248.2	1245.0	1250.6	1251.9
5°	1244.5	1245.0	1241.8	1246.9	1248.2
7.5°	1238.6	1239.5	1235.8	1240.8	1241.8
10°	1229.7	1230.2	1227.0	1232.1	1233.1
12.5°	1217.8	1218.1	1215.4	1220.0	1220.0
15°	1202.5	1203.8	1200.6	1204.9	1205.2
17.5°	1185.4	1185.9	1182.7	1187.2	1188.2
20°	1165.0	1165.0	1162.3	1166.0	1165.0
22.5°	1142.3	1142.3	1139.1	1141.0	1141.8
25°	1117.5	1116.4	1112.8	1113.8	1111.9
27.5°	1088.7	1088.7	1082.2	1082.2	1079.0
30°	1059.6	1057.3	1050.4	1046.2	1043.0
32.5°	1026.2	1023.0	1014.3	1006.9	1004.5
35°	988.9	985.5	973.9	965.2	961.5
37.5°	952.8	945.4	930.1	921.3	917.1
40°	910.6	901.3	885.7	873.6	871.7
42.5°	865.4	858.0	837.6	828.7	826.5
45°	817.3	808.4	793.1	783.9	777.0
47.5°	770.1	763.5	746.0	734.9	732.6
50°	720.5	714.9	697.0	685.0	680.8
52.5°	669.2	665.5	650.2	634.9	629.9
55°	616.1	614.3	595.3	577.6	571.6
57.5°	563.9	561.5	537.8	517.5	511.9
60°	509.2	502.3	479.2	460.2	454.1
62.5°	457.5	442.7	417.6	402.8	396.0
65°	398.1	383.9	361.7	345.9	343.7
67.5°	340.0	322.9	305.7	296.0	288.6
70°	279.3	267.7	254.8	246.5	245.2
72.5°	222.9	214.6	208.1	203.0	198.8
75°	168.7	167.4	165.0	165.0	160.5
77.5°	124.0	127.2	129.1	128.6	129.6
80°	86.0	92.4	96.1	96.6	96.1
82.5°	54.6	62.0	68.1	68.9	69.9
85°	31.9	37.5	41.2	42.0	41.2
87.5°	14.3	18.0	19.0	19.8	19.0
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	15.9	17.5	16.3	17.8	18.1	15.3	16.9	15.7	17.2	17.5
	3H	17.4	18.8	17.7	19.1	19.5	16.7	18.1	17.1	18.5	18.8
	4H	17.8	19.2	18.2	19.5	19.9	17.2	18.5	17.6	18.9	19.2
	6H	18.1	19.3	18.5	19.7	20.1	17.5	18.8	17.9	19.1	19.5
	8H	18.1	19.3	18.5	19.7	20.1	17.6	18.8	18.1	19.2	19.6
	12H	18.1	19.3	18.6	19.7	20.1	17.7	18.9	18.1	19.2	19.7
4H	2H	16.4	17.7	16.8	18.1	18.4	15.9	17.2	16.3	17.6	17.9
	3H	18.0	19.1	18.4	19.5	19.9	17.4	18.6	17.9	19.0	19.4
	4H	18.6	19.6	19.0	20.0	20.4	18.0	19.1	18.5	19.5	19.9
	6H	18.9	19.8	19.4	20.2	20.7	18.5	19.4	19.0	19.8	20.3
	8H	19.0	19.8	19.5	20.3	20.7	18.7	19.5	19.1	19.9	20.4
	12H	19.1	19.8	19.5	20.3	20.8	18.8	19.5	19.3	20.0	20.5
8H	4H	18.7	19.6	19.2	20.0	20.5	18.3	19.1	18.7	19.6	20.0
	6H	19.2	19.9	19.7	20.4	20.8	18.9	19.5	19.3	20.0	20.5
	8H	19.3	20.0	19.8	20.5	20.9	19.1	19.7	19.6	20.2	20.7
	12H	19.4	20.0	20.0	20.5	21.0	19.3	19.8	19.8	20.3	20.9
12H	4H	18.8	19.5	19.2	20.0	20.4	18.3	19.0	18.8	19.5	20.0
	6H	19.2	19.9	19.8	20.3	20.9	18.9	19.5	19.4	20.0	20.5
	8H	19.4	20.0	19.9	20.5	21.0	19.2	19.7	19.7	20.2	20.8

(END OF REPORT)