

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: P1471720

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35S-PLG-L835-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

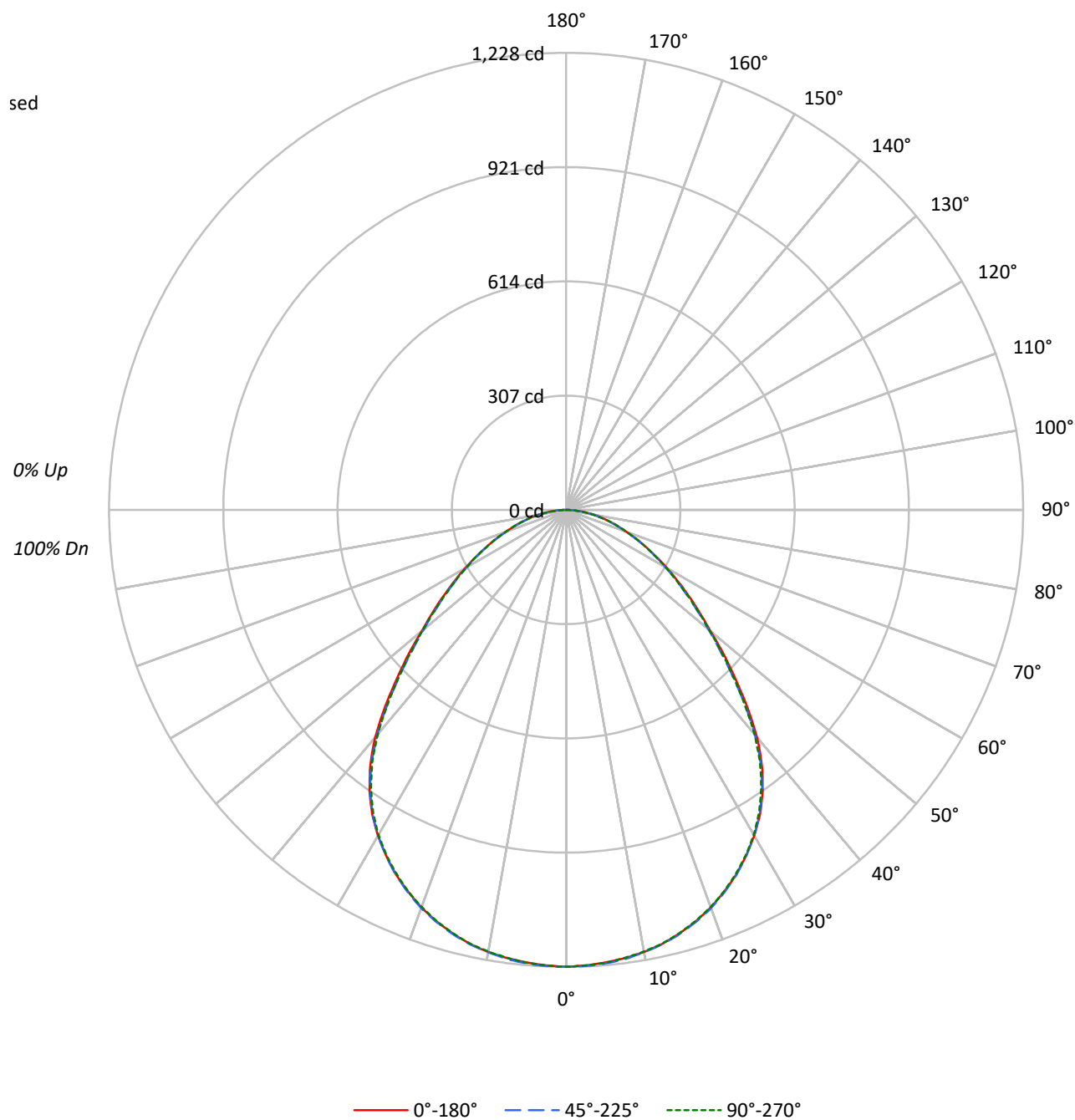
Lumens per Lamp: N/A
Luminaire Lumens: 2766.2 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	106	102	98	107	103	100	97		99	96	94		95	93	91		92	90	88
2	101	94	87	82	99	92	86	81		88	84	79		85	81	78		82	79	76
3	93	83	76	70	91	82	75	69		79	73	68		76	71	67		74	69	66
4	86	75	67	60	84	73	66	60		71	64	59		69	63	58		67	62	58
5	79	67	59	53	77	66	58	53		64	57	52		62	56	51		61	55	51
6	74	61	53	47	72	60	52	47		58	51	46		57	51	46		55	50	45
7	69	56	48	42	67	55	47	42		54	46	41		52	46	41		51	45	41
8	64	51	43	38	62	51	43	38		49	42	37		48	42	37		47	41	37
9	60	47	39	34	59	47	39	34		46	39	34		44	38	34		43	38	34
10	56	44	36	31	55	43	36	31		42	36	31		41	35	31		40	35	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3303	3303	3303
5°	3297	3304	3300
10°	3295	3297	3293
15°	3282	3287	3279
20°	3256	3261	3251
25°	3211	3213	3203
30°	3141	3141	3132
35°	3026	3017	3003
40°	2804	2773	2764
45°	2450	2410	2420
50°	2115	2090	2101
55°	1880	1852	1856
60°	1683	1660	1660
65°	1509	1498	1503
70°	1357	1344	1357
75°	1259	1241	1259
80°	1175	1161	1120
85°	994	994	889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2450 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.2	4.2
10°-20°	332.6	12.0
20°-30°	497.6	18.0
30°-40°	570.1	20.6
40°-50°	493.1	17.8
50°-60°	356.9	12.9
60°-70°	235.1	8.5
70°-80°	128.0	4.6
80°-90°	36.7	1.3
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°	946.4	34.2
0°-40°	1516.6	54.8
0°-60°	2366.6	85.6
0°-90°	2766.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2766.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1228	1228	1228	1228	1228	
5°	1221	1223	1223	1223	1222	116
15°	1178	1179	1180	1182	1177	332
25°	1081	1081	1082	1083	1079	497
35°	921	920	918	918	914	572
45°	644	642	633	633	636	499
55°	401	399	395	392	396	361
65°	237	239	235	234	236	237
75°	121	121	119	119	121	129
85°	32	32	32	33	29	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1227.6	1227.6	1227.6	1227.6	1227.6
2.5°	1225.0	1227.6	1226.8	1227.6	1225.0
5°	1220.7	1223.3	1223.3	1223.3	1221.5
7.5°	1214.6	1216.3	1217.2	1218.1	1213.7
10°	1205.9	1207.6	1206.7	1208.5	1205.0
12.5°	1194.5	1194.5	1195.4	1197.2	1193.7
15°	1178.0	1178.9	1179.7	1181.5	1177.1
17.5°	1158.8	1159.7	1160.6	1161.4	1157.9
20°	1137.0	1137.0	1138.8	1139.6	1135.3
22.5°	1110.0	1110.0	1111.8	1114.4	1109.2
25°	1081.3	1081.3	1082.1	1083.0	1078.7
27.5°	1047.3	1047.3	1048.2	1050.8	1045.5
30°	1010.7	1009.8	1010.7	1011.6	1008.1
32.5°	969.7	968.9	968.0	968.9	964.5
35°	921.0	920.1	918.3	917.5	914.0
37.5°	864.3	862.6	859.1	859.1	855.6
40°	798.1	793.7	789.4	787.6	786.8
42.5°	721.4	717.9	711.8	711.0	711.0
45°	643.9	642.1	633.4	632.6	636.0
47.5°	574.2	569.8	562.0	560.2	565.5
50°	505.3	506.2	499.2	496.6	501.9
52.5°	451.3	449.6	443.5	441.7	446.1
55°	400.8	399.1	394.7	392.1	395.6
57.5°	354.6	353.7	349.4	348.5	350.3
60°	312.8	311.9	308.4	307.6	308.4
62.5°	273.6	273.6	270.1	268.4	271.0
65°	237.0	238.7	235.2	233.5	236.1
67.5°	203.9	205.6	202.1	200.4	203.9
70°	172.5	174.3	170.8	169.0	172.5
72.5°	145.5	146.4	143.8	142.9	147.2
75°	121.1	121.1	119.4	119.4	121.1
77.5°	98.5	97.6	96.7	96.7	95.0
80°	75.8	74.9	74.9	74.9	72.3
82.5°	54.0	52.3	53.1	54.0	49.7
85°	32.2	32.2	32.2	33.1	28.8
87.5°	13.1	13.1	12.2	13.1	11.3
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	14.9	13.8	15.2	15.6	13.3	14.8	13.7	15.1	15.5
	3H	14.9	16.2	15.2	16.5	16.9	14.8	16.1	15.1	16.4	16.8
	4H	15.4	16.7	15.8	17.0	17.4	15.3	16.6	15.7	16.9	17.3
	6H	15.8	17.0	16.2	17.4	17.8	15.7	16.9	16.1	17.3	17.7
	8H	16.0	17.1	16.4	17.5	17.9	15.9	17.0	16.3	17.4	17.8
	12H	16.1	17.1	16.5	17.5	17.9	15.9	17.0	16.4	17.4	17.8
4H	2H	13.9	15.2	14.3	15.5	15.9	13.8	15.1	14.2	15.4	15.8
	3H	15.6	16.6	16.0	17.0	17.4	15.5	16.5	15.9	16.9	17.3
	4H	16.2	17.2	16.7	17.6	18.0	16.2	17.1	16.6	17.5	18.0
	6H	16.8	17.6	17.3	18.1	18.5	16.7	17.5	17.2	18.0	18.4
	8H	17.0	17.8	17.5	18.2	18.7	16.9	17.7	17.3	18.1	18.6
	12H	17.1	17.8	17.6	18.3	18.8	17.0	17.7	17.5	18.2	18.6
8H	4H	16.5	17.3	16.9	17.7	18.2	16.4	17.2	16.9	17.6	18.1
	6H	17.2	17.8	17.7	18.3	18.8	17.1	17.7	17.6	18.2	18.7
	8H	17.4	18.0	17.9	18.5	19.0	17.3	17.9	17.9	18.4	18.9
	12H	17.6	18.1	18.1	18.6	19.2	17.5	18.0	18.1	18.5	19.1
12H	4H	16.5	17.2	17.0	17.7	18.1	16.4	17.1	16.9	17.6	18.1
	6H	17.2	17.8	17.7	18.3	18.8	17.1	17.7	17.7	18.2	18.7
	8H	17.5	18.0	18.0	18.5	19.1	17.4	18.0	18.0	18.4	19.0

(END OF REPORT)