

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: P1471714

Luminaire Tested: 22PTR-35S-PB1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471714
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-35S-PB1-L835-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

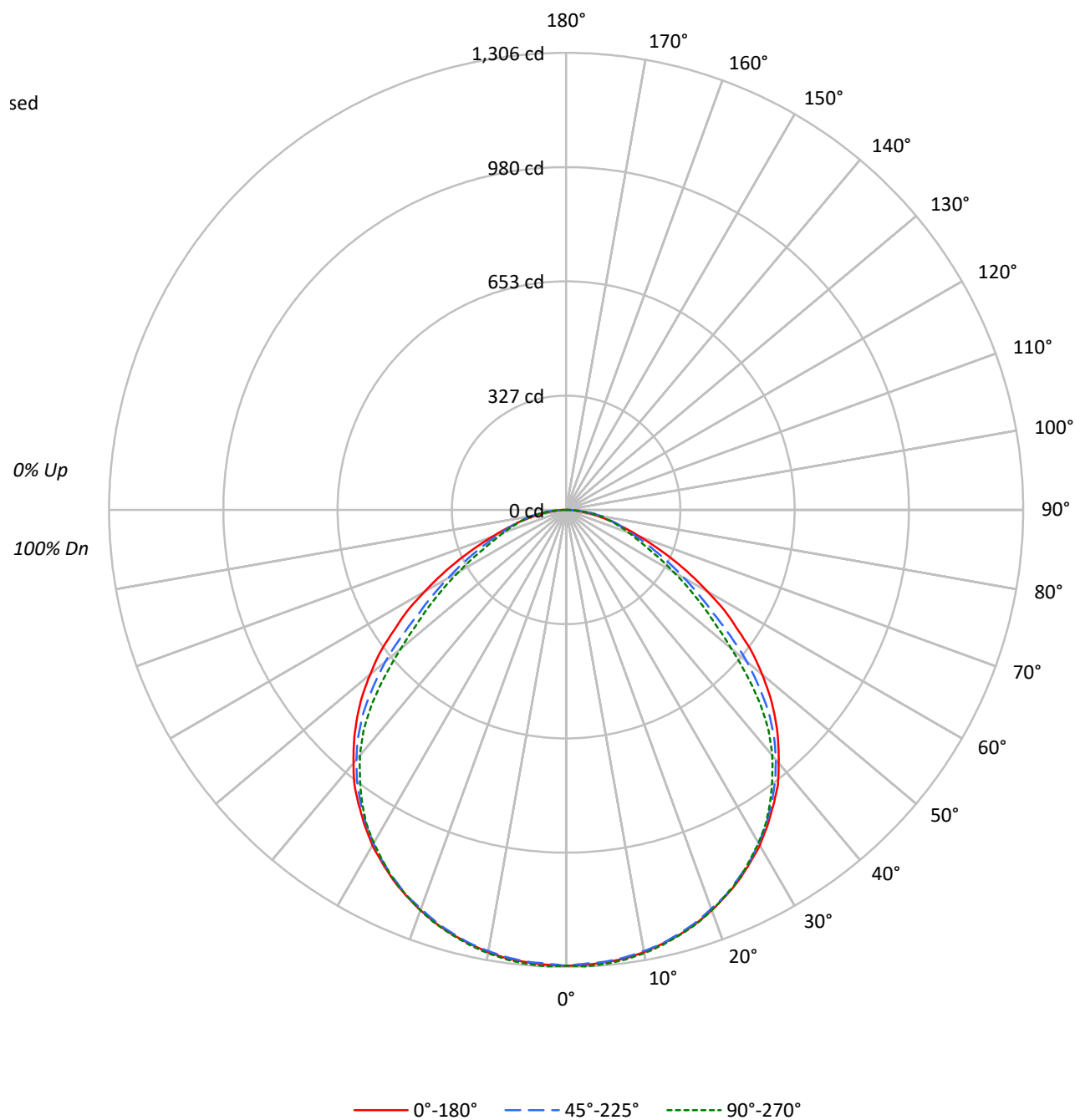
Lumens per Lamp: N/A
Luminaire Lumens: 3247.5 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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		100
1	110	105	101	98	107	103	99	96	99	96	93		95	93	90		86
2	100	93	86	81	98	91	85	80	87	83	78		84	80	77		73
3	92	82	75	69	90	81	74	68	78	72	67		75	70	66		62
4	85	73	65	59	83	72	64	58	70	63	58		67	62	57		54
5	78	66	57	51	76	65	57	51	63	56	50		61	55	50		47
6	72	60	51	45	71	59	51	45	57	50	44		55	49	44		42
7	67	54	46	40	66	53	45	40	52	45	39		51	44	39		37
8	63	50	41	36	61	49	41	36	48	41	35		46	40	35		33
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		30
10	55	42	34	29	54	42	34	29	41	34	29		40	33	29		27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3505	3505	3505
5°	3505	3501	3518
10°	3506	3498	3515
15°	3499	3490	3503
20°	3487	3473	3487
25°	3467	3453	3463
30°	3440	3420	3415
35°	3389	3363	3342
40°	3320	3275	3218
45°	3219	3115	2987
50°	3059	2823	2582
55°	2818	2398	2224
60°	2509	2095	1905
65°	2152	1816	1622
70°	1777	1601	1487
75°	1498	1531	1449
80°	1266	1564	1491
85°	991	1584	1386

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3219 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	3.8
10°-20°	354.3	10.9
20°-30°	536.8	16.5
30°-40°	639.6	19.7
40°-50°	625.4	19.3
50°-60°	473.1	14.6
60°-70°	290.6	8.9
70°-80°	154.8	4.8
80°-90°	49.4	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°	1014.6	31.2
0°-40°	1654.2	50.9
0°-60°	2752.7	84.8
0°-90°	3247.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3247.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1302	1302	1302	1302	1302	
5°	1298	1299	1296	1301	1302	123
15°	1256	1258	1253	1258	1258	354
25°	1168	1166	1163	1165	1166	538
35°	1032	1030	1024	1019	1017	645
45°	846	841	818	791	785	651
55°	601	570	511	482	474	538
65°	338	311	285	263	255	336
75°	144	146	147	143	139	155
85°	32	42	51	48	45	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1302.4	1302.4	1302.4	1302.4	1302.4
2.5°	1300.9	1302.4	1297.5	1304.1	1305.6
5°	1297.5	1299.2	1296.0	1300.9	1302.4
7.5°	1292.8	1292.8	1289.6	1294.3	1296.0
10°	1283.2	1283.2	1280.0	1284.7	1286.4
12.5°	1270.4	1270.4	1268.8	1271.9	1273.6
15°	1256.0	1257.5	1252.8	1257.5	1257.5
17.5°	1238.3	1236.8	1235.1	1238.3	1240.0
20°	1217.5	1217.5	1212.7	1215.9	1217.5
22.5°	1193.4	1193.4	1191.9	1193.4	1191.9
25°	1167.8	1166.2	1163.0	1164.6	1166.2
27.5°	1137.4	1137.4	1134.2	1134.2	1132.5
30°	1107.0	1105.3	1100.6	1097.4	1098.9
32.5°	1070.1	1068.4	1063.7	1060.5	1062.1
35°	1031.6	1030.1	1023.7	1018.8	1017.3
37.5°	993.3	988.4	980.3	973.9	967.5
40°	945.2	940.3	932.4	917.9	916.2
42.5°	897.1	892.4	879.4	861.9	857.0
45°	845.8	841.1	818.5	791.3	784.9
47.5°	791.3	783.4	748.1	714.4	701.6
50°	730.6	716.1	674.4	631.2	616.7
52.5°	671.2	645.6	591.2	552.6	538.3
55°	600.7	570.3	511.1	482.2	474.1
57.5°	538.3	496.6	448.5	419.8	413.4
60°	466.2	427.7	389.3	363.6	354.0
62.5°	400.4	366.8	334.8	312.3	301.2
65°	338.0	310.8	285.2	262.7	254.8
67.5°	277.2	262.7	241.8	224.4	219.5
70°	225.9	217.8	203.5	195.4	189.0
72.5°	179.4	182.6	173.1	169.9	165.0
75°	144.1	145.8	147.3	142.6	139.4
77.5°	109.0	116.9	123.3	120.1	116.9
80°	81.7	89.6	100.9	96.2	96.2
82.5°	56.0	65.8	75.3	72.1	70.5
85°	32.1	41.7	51.3	48.1	44.9
87.5°	12.8	20.9	22.4	22.4	20.9
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	15.3	16.8	15.6	17.1	17.4	14.0	15.5	14.3	15.8	16.1
	3H	16.5	17.9	16.9	18.2	18.6	15.2	16.6	15.6	16.9	17.3
	4H	16.9	18.2	17.3	18.6	18.9	15.8	17.1	16.2	17.4	17.8
	6H	17.2	18.4	17.6	18.8	19.2	16.3	17.5	16.7	17.8	18.2
	8H	17.3	18.4	17.7	18.8	19.2	16.5	17.6	16.9	18.0	18.4
	12H	17.3	18.4	17.8	18.8	19.2	16.6	17.7	17.0	18.1	18.5
4H	2H	15.6	16.9	16.0	17.2	17.6	14.5	15.8	14.9	16.1	16.5
	3H	17.0	18.1	17.4	18.5	18.9	16.0	17.1	16.4	17.5	17.9
	4H	17.6	18.5	18.0	19.0	19.4	16.7	17.7	17.1	18.1	18.5
	6H	18.0	18.8	18.4	19.3	19.7	17.3	18.2	17.8	18.6	19.1
	8H	18.1	18.9	18.6	19.4	19.8	17.6	18.4	18.0	18.8	19.3
	12H	18.2	18.9	18.7	19.4	19.9	17.8	18.5	18.2	19.0	19.4
8H	4H	17.8	18.6	18.2	19.0	19.5	17.0	17.8	17.4	18.2	18.7
	6H	18.3	19.0	18.8	19.5	20.0	17.8	18.4	18.3	18.9	19.4
	8H	18.5	19.1	19.0	19.6	20.1	18.1	18.7	18.6	19.2	19.7
	12H	18.7	19.2	19.2	19.7	20.3	18.4	18.9	18.9	19.4	20.0
12H	4H	17.8	18.5	18.3	19.0	19.5	17.0	17.7	17.5	18.2	18.7
	6H	18.4	19.0	18.9	19.5	20.0	17.8	18.4	18.4	18.9	19.4
	8H	18.7	19.2	19.2	19.7	20.2	18.2	18.8	18.8	19.3	19.8

(END OF REPORT)