

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: P1471803

Luminaire Tested: 24PTR-40S-PR1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40S-PR1-L835-UNV-STD-B
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

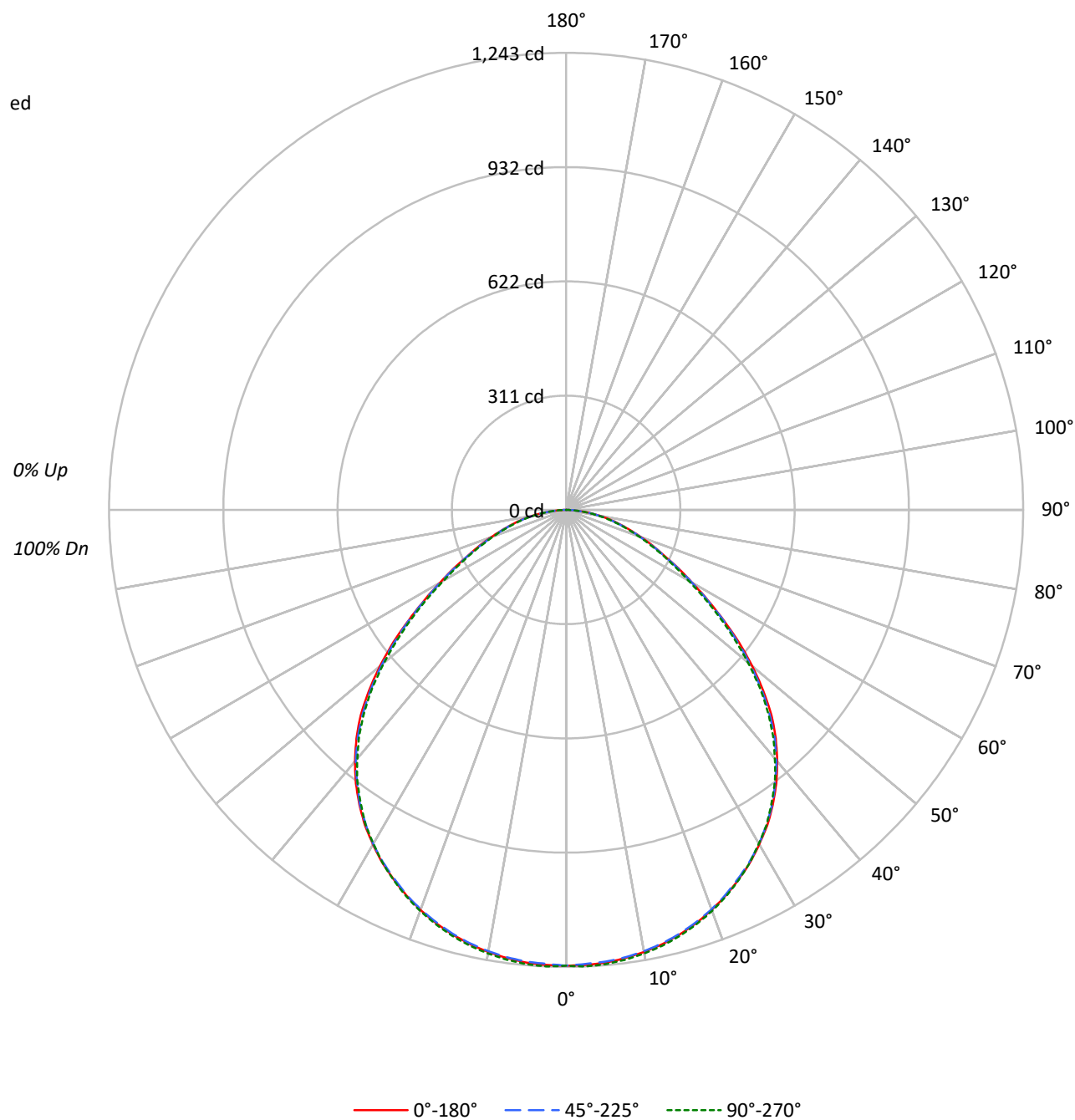
Lumens per Lamp: N/A
Luminaire Lumens: 3134.4 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.3
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	100		100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1668	1668	1668
5°	1669	1665	1675
10°	1668	1665	1674
15°	1665	1662	1670
20°	1658	1656	1662
25°	1647	1643	1649
30°	1632	1630	1628
35°	1610	1606	1599
40°	1569	1563	1552
45°	1504	1487	1476
50°	1383	1368	1351
55°	1225	1219	1195
60°	1064	1060	1031
65°	938	932	914
70°	851	839	821
75°	788	769	755
80°	719	709	685
85°	568	563	540

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1504 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.6	3.8
10°-20°	337.4	10.8
20°-30°	511.2	16.3
30°-40°	610.3	19.5
40°-50°	600.1	19.1
50°-60°	463.8	14.8
60°-70°	292.5	9.3
70°-80°	158.2	5.0
80°-90°	43.2	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°	966.2	30.8
0°-40°	1576.5	50.3
0°-60°	2640.4	84.2
0°-90°	3134.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3134.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1239	1239	1239	1239	1239	
5°	1236	1236	1233	1238	1240	117
15°	1195	1195	1193	1197	1199	337
25°	1109	1110	1106	1110	1111	511
35°	980	980	978	976	974	612
45°	790	787	781	775	776	605
55°	522	526	520	511	510	468
65°	295	295	293	288	287	296
75°	152	150	148	149	145	161
85°	37	37	36	37	35	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1239.4	1239.4	1239.4	1239.4	1239.4
2.5°	1238.9	1239.4	1235.8	1241.6	1242.9
5°	1235.8	1236.3	1233.1	1238.4	1239.9
7.5°	1229.5	1230.5	1227.4	1232.8	1234.0
10°	1220.6	1221.6	1218.5	1223.9	1225.2
12.5°	1209.7	1210.0	1207.4	1212.3	1213.5
15°	1195.0	1195.3	1193.2	1197.1	1198.9
17.5°	1178.0	1178.5	1175.5	1180.3	1181.1
20°	1157.7	1158.0	1156.3	1160.3	1160.8
22.5°	1134.9	1135.9	1133.2	1136.7	1137.2
25°	1109.3	1110.1	1106.5	1110.1	1110.6
27.5°	1082.2	1082.5	1079.4	1082.2	1081.7
30°	1050.5	1053.3	1049.2	1048.3	1048.0
32.5°	1017.8	1018.1	1014.2	1013.3	1015.0
35°	980.0	980.3	977.7	976.5	973.7
37.5°	938.7	938.7	933.7	932.9	932.4
40°	893.3	892.9	889.8	886.7	883.5
42.5°	843.9	844.9	838.6	833.3	832.5
45°	790.2	787.1	781.3	775.2	775.7
47.5°	726.8	727.6	719.7	714.7	713.4
50°	660.9	660.9	653.5	648.2	645.4
52.5°	592.2	592.7	585.5	578.4	577.0
55°	522.0	526.3	519.7	511.3	509.5
57.5°	456.3	459.8	453.5	444.6	444.2
60°	395.4	395.7	394.0	385.6	383.3
62.5°	343.5	341.2	340.2	335.9	333.1
65°	294.6	295.0	292.8	287.8	287.0
67.5°	255.0	254.5	250.5	247.4	245.6
70°	216.3	215.0	213.2	210.6	208.8
72.5°	181.7	181.7	180.3	179.5	176.4
75°	151.6	149.8	148.0	148.8	145.3
77.5°	122.7	120.9	119.4	117.7	116.9
80°	92.8	91.0	91.5	88.8	88.4
82.5°	64.4	64.4	63.6	61.3	61.8
85°	36.8	37.3	36.5	36.8	35.0
87.5°	13.4	13.7	14.7	13.7	13.7
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	12.3	13.9	12.7	14.2	14.5	12.1	13.6	12.4	14.0	14.3
	3H	13.6	15.1	14.0	15.4	15.7	13.4	14.8	13.8	15.2	15.5
	4H	14.2	15.5	14.6	15.8	16.2	14.0	15.3	14.4	15.6	16.0
	6H	14.6	15.8	15.0	16.2	16.6	14.4	15.6	14.8	15.9	16.3
	8H	14.7	15.9	15.1	16.3	16.7	14.5	15.6	14.9	16.0	16.4
	12H	14.8	15.9	15.2	16.3	16.7	14.6	15.7	15.0	16.1	16.5
4H	2H	12.7	14.1	13.1	14.4	14.8	12.6	13.9	13.0	14.2	14.6
	3H	14.3	15.4	14.7	15.8	16.2	14.1	15.2	14.6	15.6	16.0
	4H	15.0	16.0	15.4	16.4	16.8	14.8	15.8	15.2	16.2	16.6
	6H	15.5	16.4	16.0	16.8	17.3	15.3	16.2	15.8	16.6	17.1
	8H	15.7	16.5	16.2	16.9	17.4	15.5	16.3	16.0	16.8	17.2
	12H	15.8	16.5	16.3	17.0	17.5	15.6	16.3	16.1	16.8	17.3
8H	4H	15.2	16.0	15.7	16.5	16.9	15.1	15.9	15.5	16.3	16.8
	6H	15.9	16.5	16.4	17.0	17.5	15.7	16.4	16.2	16.9	17.3
	8H	16.1	16.7	16.6	17.2	17.7	15.9	16.5	16.5	17.0	17.5
	12H	16.3	16.8	16.8	17.3	17.9	16.1	16.6	16.6	17.1	17.7
12H	4H	15.2	16.0	15.7	16.4	16.9	15.1	15.8	15.6	16.3	16.8
	6H	15.9	16.5	16.4	17.0	17.5	15.8	16.4	16.3	16.8	17.4
	8H	16.2	16.7	16.7	17.2	17.8	16.0	16.6	16.5	17.1	17.6

(END OF REPORT)