

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: P1471777

Luminaire Tested: 24PTR-35S-PB1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471777
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: 24PTR-35S-PB1-L835-UNV-STD-B
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

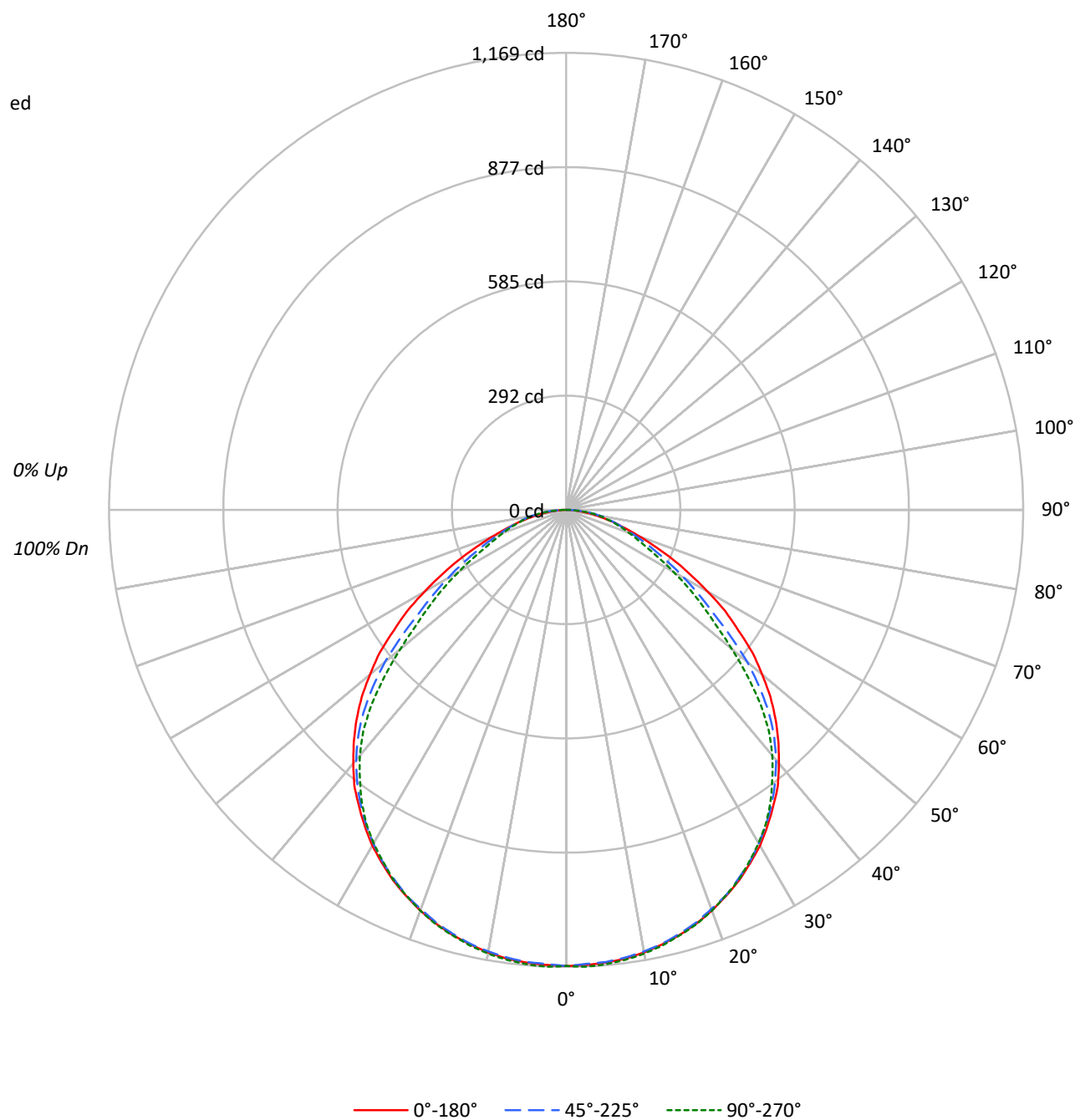
Lumens per Lamp: N/A
Luminaire Lumens: 2908.9 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1570	1570	1570
5°	1570	1568	1576
10°	1570	1566	1574
15°	1567	1563	1569
20°	1561	1555	1561
25°	1553	1546	1551
30°	1540	1532	1529
35°	1518	1506	1497
40°	1487	1467	1441
45°	1442	1395	1338
50°	1370	1265	1156
55°	1262	1074	996
60°	1124	938	853
65°	964	813	727
70°	796	717	666
75°	671	686	649
80°	567	700	668
85°	445	709	621

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1442 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	3.8
10°-20°	317.4	10.9
20°-30°	480.8	16.5
30°-40°	572.9	19.7
40°-50°	560.2	19.3
50°-60°	423.7	14.6
60°-70°	260.3	8.9
70°-80°	138.7	4.8
80°-90°	44.3	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°	908.8	31.2
0°-40°	1481.6	50.9
0°-60°	2465.6	84.8
0°-90°	2908.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2908.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1167	1167	1167	1167	1167	
5°	1162	1164	1161	1165	1167	111
15°	1125	1126	1122	1126	1126	317
25°	1046	1044	1042	1043	1044	482
35°	924	923	917	913	911	578
45°	758	753	733	709	703	583
55°	538	511	458	432	425	482
65°	303	278	256	235	228	301
75°	129	131	132	128	125	138
85°	29	37	46	43	40	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1166.6	1166.6	1166.6	1166.6	1166.6
2.5°	1165.2	1166.6	1162.2	1168.1	1169.4
5°	1162.2	1163.7	1160.8	1165.2	1166.6
7.5°	1158.0	1158.0	1155.1	1159.3	1160.8
10°	1149.4	1149.4	1146.5	1150.7	1152.3
12.5°	1137.9	1137.9	1136.4	1139.3	1140.8
15°	1125.0	1126.3	1122.1	1126.3	1126.3
17.5°	1109.2	1107.8	1106.3	1109.2	1110.7
20°	1090.5	1090.5	1086.3	1089.1	1090.5
22.5°	1068.9	1068.9	1067.6	1068.9	1067.6
25°	1046.0	1044.5	1041.7	1043.2	1044.5
27.5°	1018.8	1018.8	1015.9	1015.9	1014.4
30°	991.5	990.0	985.8	982.9	984.3
32.5°	958.5	957.0	952.8	949.9	951.3
35°	924.0	922.7	917.0	912.6	911.2
37.5°	889.7	885.3	878.1	872.4	866.6
40°	846.6	842.2	835.2	822.2	820.7
42.5°	803.5	799.3	787.7	772.0	767.7
45°	757.6	753.4	733.2	708.8	703.0
47.5°	708.8	701.7	670.1	639.9	628.5
50°	654.4	641.4	604.1	565.4	552.4
52.5°	601.2	578.3	529.5	495.0	482.2
55°	538.1	510.8	457.8	431.9	424.7
57.5°	482.2	444.8	401.8	376.0	370.3
60°	417.6	383.1	348.7	325.7	317.1
62.5°	358.7	328.5	299.9	279.7	269.8
65°	302.8	278.4	255.5	235.3	228.2
67.5°	248.3	235.3	216.6	201.0	196.6
70°	202.3	195.1	182.3	175.0	169.3
72.5°	160.7	163.6	155.0	152.1	147.8
75°	129.1	130.6	132.0	127.7	124.9
77.5°	97.6	104.7	110.4	107.6	104.7
80°	73.2	80.3	90.4	86.2	86.2
82.5°	50.2	58.9	67.5	64.6	63.1
85°	28.8	37.4	45.9	43.1	40.2
87.5°	11.4	18.7	20.0	20.0	18.7
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	12.5	14.0	12.8	14.3	14.6	11.2	12.7	11.5	13.0	13.4
	3H	13.7	15.1	14.1	15.4	15.8	12.4	13.8	12.8	14.1	14.5
	4H	14.1	15.4	14.5	15.8	16.1	13.0	14.3	13.4	14.6	15.0
	6H	14.4	15.6	14.8	16.0	16.4	13.5	14.7	13.9	15.1	15.4
	8H	14.5	15.6	14.9	16.0	16.4	13.7	14.8	14.1	15.2	15.6
	12H	14.5	15.6	15.0	16.0	16.4	13.8	14.9	14.2	15.3	15.7
4H	2H	12.8	14.1	13.2	14.4	14.8	11.7	13.0	12.1	13.4	13.7
	3H	14.2	15.3	14.6	15.7	16.1	13.2	14.3	13.6	14.7	15.1
	4H	14.8	15.8	15.2	16.2	16.6	13.9	14.9	14.3	15.3	15.7
	6H	15.2	16.1	15.7	16.5	17.0	14.5	15.4	15.0	15.8	16.3
	8H	15.3	16.1	15.8	16.6	17.0	14.8	15.6	15.2	16.0	16.5
	12H	15.4	16.1	15.9	16.6	17.1	15.0	15.7	15.5	16.2	16.6
8H	4H	15.0	15.8	15.4	16.2	16.7	14.2	15.0	14.6	15.4	15.9
	6H	15.5	16.2	16.0	16.7	17.2	15.0	15.6	15.5	16.1	16.6
	8H	15.7	16.3	16.3	16.8	17.3	15.3	15.9	15.8	16.4	16.9
	12H	15.9	16.4	16.4	16.9	17.5	15.6	16.1	16.1	16.6	17.2
12H	4H	15.0	15.7	15.5	16.2	16.7	14.2	14.9	14.7	15.4	15.9
	6H	15.6	16.2	16.1	16.7	17.2	15.1	15.7	15.6	16.1	16.7
	8H	15.9	16.4	16.4	16.9	17.4	15.5	16.0	16.0	16.5	17.0

(END OF REPORT)