

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: P1471775

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35S-L835-UNV-STD-B
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens Black Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

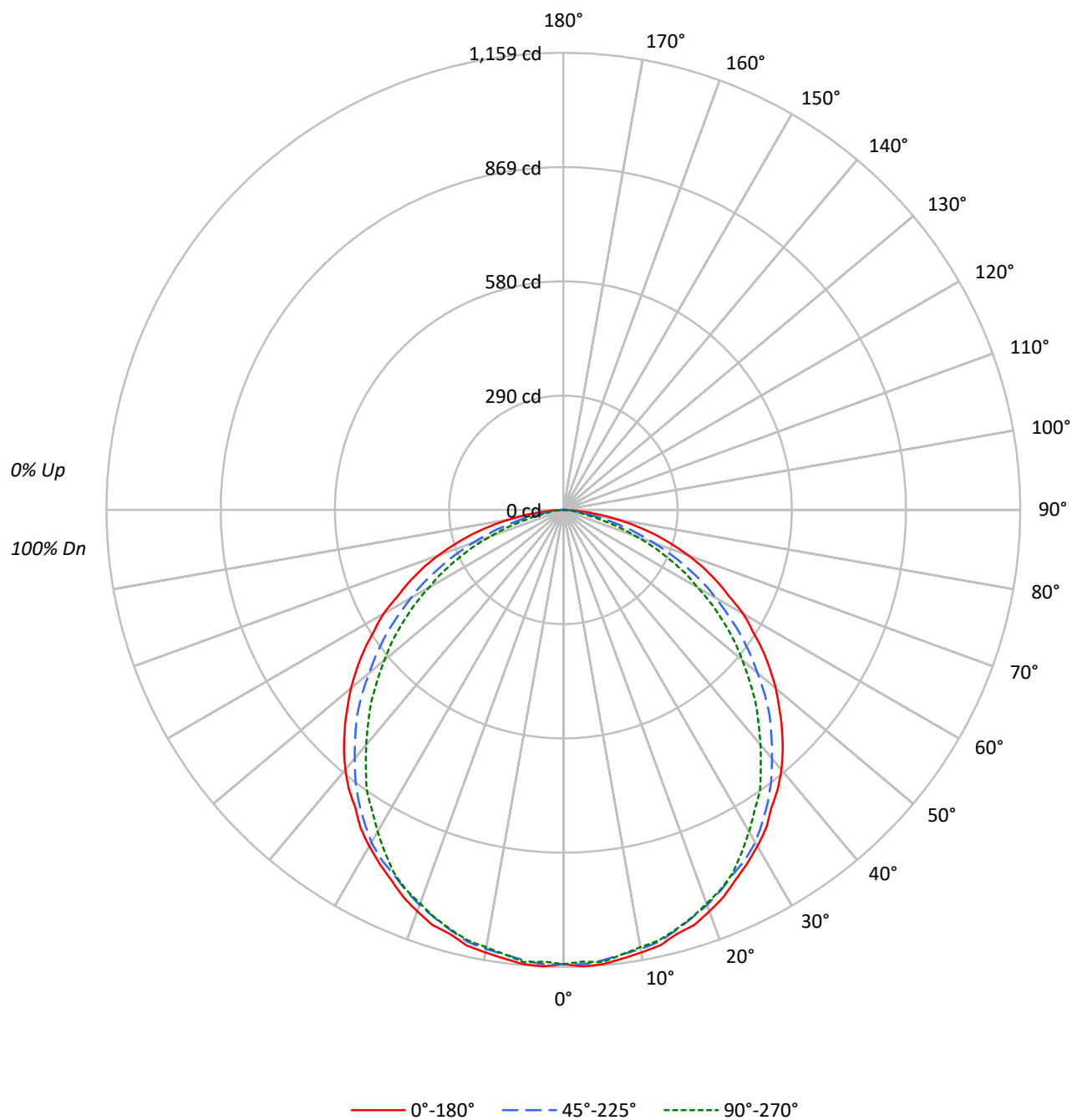
Lumens per Lamp: N/A
Luminaire Lumens: 3068.4 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1550	1550	1550
5°	1561	1548	1555
10°	1557	1545	1538
15°	1550	1538	1535
20°	1551	1527	1521
25°	1536	1514	1508
30°	1530	1513	1464
35°	1512	1485	1428
40°	1511	1446	1366
45°	1492	1409	1312
50°	1472	1346	1241
55°	1444	1283	1165
60°	1418	1200	1058
65°	1370	1101	946
70°	1325	958	772
75°	1245	756	531
80°	1079	457	319
85°	721	329	307

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1492 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	3.6
10°-20°	312.5	10.2
20°-30°	472.0	15.4
30°-40°	561.2	18.3
40°-50°	569.1	18.5
50°-60°	494.2	16.1
60°-70°	350.8	11.4
70°-80°	167.7	5.5
80°-90°	31.8	1.0
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°	893.6	29.1
0°-40°	1454.8	47.4
0°-60°	2518.2	82.1
0°-90°	3068.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3068.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1152	1152	1152	1152	1152	
5°	1156	1152	1146	1149	1151	110
15°	1113	1116	1104	1103	1102	315
25°	1035	1033	1020	1024	1016	478
35°	921	919	904	873	869	579
45°	784	777	740	701	690	605
55°	615	597	547	515	497	550
65°	430	398	346	309	297	426
75°	239	196	146	115	102	251
85°	47	25	21	21	20	59
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1152.0	1152.0	1152.0	1152.0	1152.0
2.5°	1158.8	1154.7	1153.3	1158.1	1146.5
5°	1156.1	1152.0	1146.5	1149.2	1151.3
7.5°	1147.8	1144.4	1136.9	1143.0	1136.9
10°	1139.6	1136.2	1130.7	1132.7	1125.9
12.5°	1131.4	1123.1	1121.8	1123.1	1118.3
15°	1112.9	1115.6	1103.9	1102.6	1101.9
17.5°	1103.9	1097.1	1084.7	1085.4	1084.0
20°	1083.4	1075.1	1066.2	1064.8	1062.1
22.5°	1062.1	1052.5	1044.2	1048.4	1042.2
25°	1034.6	1033.3	1019.5	1023.7	1016.1
27.5°	1010.6	1005.8	999.6	990.7	979.7
30°	984.6	979.7	973.6	950.2	942.0
32.5°	957.1	951.6	939.3	911.8	902.9
35°	920.7	919.4	904.3	873.4	869.3
37.5°	893.3	878.2	865.9	834.3	822.6
40°	860.4	852.1	823.3	793.1	778.0
42.5°	824.0	814.4	781.5	749.2	732.8
45°	784.2	777.3	740.3	701.2	689.5
47.5°	743.0	736.9	693.0	655.2	640.1
50°	703.3	695.7	642.9	606.5	592.8
52.5°	660.0	647.7	595.5	559.9	546.8
55°	615.4	596.9	546.8	514.6	496.7
57.5°	568.1	550.9	495.4	461.7	447.3
60°	526.9	502.9	446.0	411.7	393.1
62.5°	474.1	453.5	399.3	358.8	349.9
65°	430.2	397.9	345.8	308.7	297.1
67.5°	385.6	347.9	295.0	257.3	251.1
70°	336.9	297.8	243.6	206.5	196.2
72.5°	287.5	249.1	196.2	157.1	150.9
75°	239.4	195.5	145.5	115.3	102.2
77.5°	187.3	147.5	102.2	70.7	62.4
80°	139.3	99.5	59.0	41.9	41.2
82.5°	91.3	57.6	31.6	32.2	30.9
85°	46.7	24.7	21.3	20.6	19.9
87.5°	8.9	9.6	10.3	10.3	10.3
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	13.7	15.3	14.0	15.6	15.9	12.3	13.9	12.7	14.3	14.6
	3H	15.5	16.9	15.9	17.3	17.6	13.6	15.1	14.0	15.4	15.7
	4H	16.2	17.5	16.6	17.9	18.3	13.9	15.3	14.3	15.6	16.0
	6H	16.7	17.9	17.1	18.3	18.7	14.0	15.2	14.4	15.6	16.0
	8H	16.8	18.0	17.2	18.4	18.8	14.0	15.2	14.4	15.6	16.0
	12H	16.9	18.0	17.3	18.4	18.8	14.0	15.1	14.4	15.5	16.0
4H	2H	14.1	15.4	14.5	15.8	16.2	13.0	14.4	13.4	14.7	15.1
	3H	16.1	17.2	16.5	17.6	18.0	14.5	15.6	14.9	16.0	16.4
	4H	16.9	17.9	17.3	18.3	18.8	14.8	15.8	15.2	16.2	16.7
	6H	17.5	18.4	17.9	18.8	19.3	14.9	15.8	15.4	16.3	16.7
	8H	17.7	18.5	18.1	18.9	19.4	14.9	15.8	15.4	16.2	16.7
	12H	17.7	18.5	18.2	19.0	19.4	15.0	15.7	15.5	16.2	16.7
8H	4H	17.0	17.8	17.5	18.3	18.7	15.1	15.9	15.5	16.3	16.8
	6H	17.6	18.3	18.1	18.8	19.3	15.2	15.9	15.7	16.4	16.9
	8H	17.8	18.4	18.3	19.0	19.4	15.3	15.9	15.8	16.4	16.9
	12H	18.0	18.5	18.5	19.0	19.6	15.3	15.9	15.8	16.4	16.9
12H	4H	17.0	17.7	17.5	18.2	18.7	15.1	15.8	15.6	16.3	16.8
	6H	17.6	18.2	18.1	18.7	19.2	15.3	15.9	15.8	16.3	16.9
	8H	17.8	18.4	18.3	18.9	19.4	15.3	15.9	15.8	16.4	16.9

(END OF REPORT)