

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: P1471782

Luminaire Tested: 24PTR-35S-PL1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35S-PL1-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens White Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

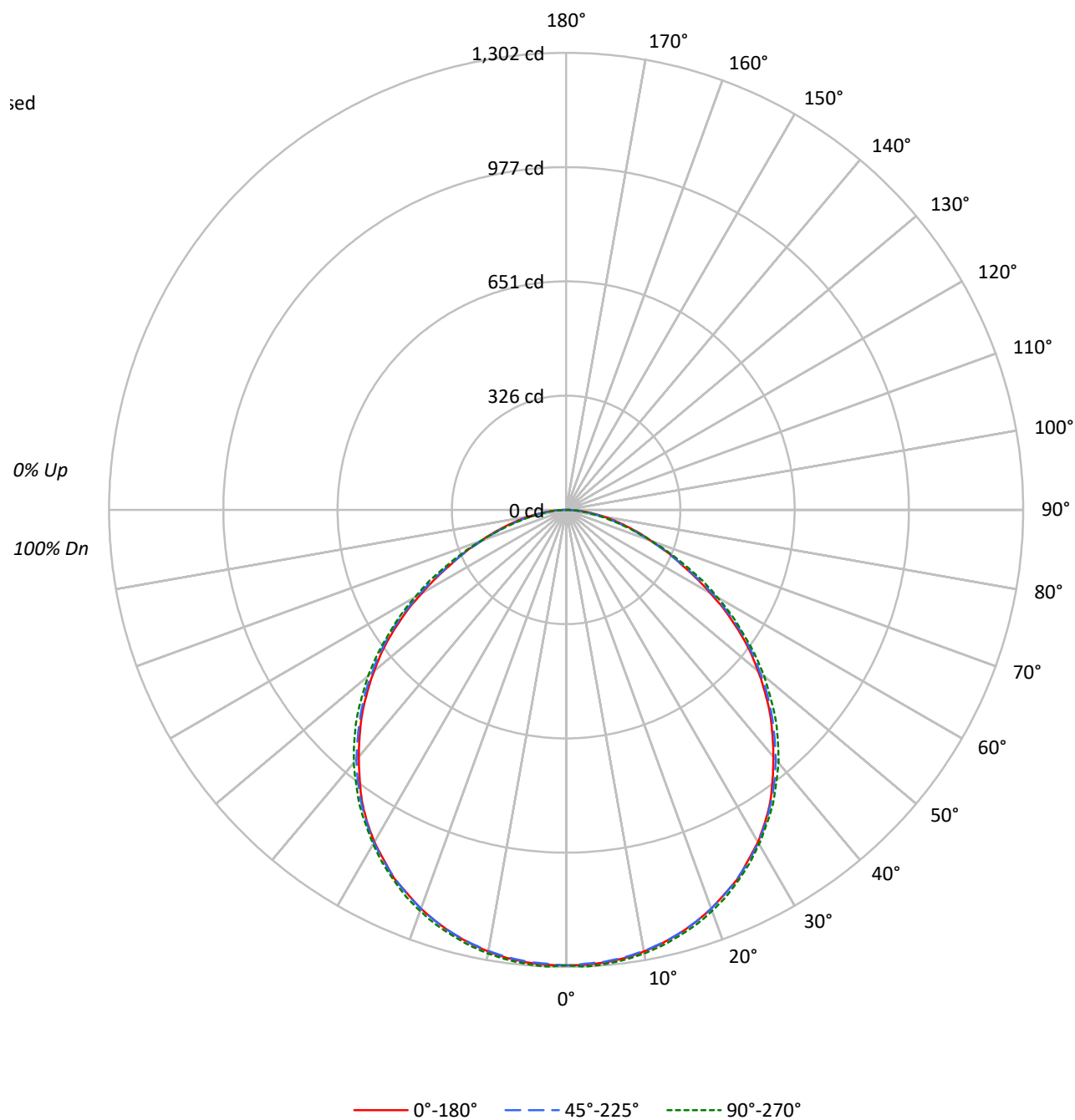
Lumens per Lamp: N/A
Luminaire Lumens: 3420.6 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1746	1746	1746
5°	1747	1744	1754
10°	1745	1743	1753
15°	1740	1739	1748
20°	1731	1731	1741
25°	1720	1717	1727
30°	1698	1700	1708
35°	1666	1672	1685
40°	1614	1632	1653
45°	1563	1576	1607
50°	1495	1511	1541
55°	1408	1430	1447
60°	1277	1304	1337
65°	1134	1146	1193
70°	1014	993	1018
75°	914	862	845
80°	831	772	685
85°	704	639	550

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 1607 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	3.6
10°-20°	353.0	10.3
20°-30°	534.0	15.6
30°-40°	636.5	18.6
40°-50°	640.1	18.7
50°-60°	543.2	15.9
60°-70°	361.7	10.6
70°-80°	180.6	5.3
80°-90°	48.3	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°	1010.2	29.5
0°-40°	1646.7	48.1
0°-60°	2830.0	82.7
0°-90°	3420.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3420.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1298	1298	1298	1298	1298	
5°	1294	1294	1291	1297	1298	123
15°	1249	1250	1249	1254	1255	352
25°	1158	1158	1157	1162	1163	533
35°	1014	1015	1018	1025	1026	632
45°	822	823	828	839	844	632
55°	600	604	610	616	617	535
65°	356	359	360	366	375	357
75°	176	174	166	162	162	189
85°	46	45	41	39	36	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1297.7	1297.7	1297.7	1297.7	1297.7
2.5°	1296.6	1297.7	1294.2	1300.5	1302.0
5°	1293.8	1294.2	1291.4	1297.1	1298.5
7.5°	1287.5	1288.1	1285.1	1291.4	1292.3
10°	1277.4	1278.5	1276.0	1281.8	1283.2
12.5°	1264.5	1265.9	1263.4	1269.7	1270.8
15°	1249.1	1250.5	1248.6	1253.8	1254.9
17.5°	1230.2	1231.3	1230.2	1235.1	1237.9
20°	1209.1	1209.1	1209.1	1213.5	1215.9
22.5°	1182.7	1185.2	1184.1	1189.9	1192.3
25°	1158.3	1158.3	1156.7	1162.1	1163.0
27.5°	1124.0	1127.9	1127.5	1132.2	1133.3
30°	1092.7	1093.8	1094.3	1097.6	1099.6
32.5°	1054.8	1055.7	1057.3	1062.0	1062.5
35°	1014.0	1015.0	1017.8	1025.0	1026.0
37.5°	966.4	971.7	974.1	981.8	982.7
40°	918.7	922.1	929.4	937.4	941.3
42.5°	870.2	874.0	878.4	889.4	892.9
45°	821.6	823.0	828.4	839.4	844.3
47.5°	767.8	772.2	776.9	786.5	789.5
50°	714.0	718.7	721.7	730.2	736.0
52.5°	659.7	664.0	667.4	672.6	678.4
55°	600.1	604.3	609.7	615.5	616.9
57.5°	539.5	544.2	547.7	553.8	560.1
60°	474.5	479.9	484.6	490.4	496.7
62.5°	414.0	416.3	421.2	430.8	439.9
65°	356.2	359.2	360.1	365.5	374.6
67.5°	308.2	308.2	303.8	305.7	315.9
70°	257.7	255.8	252.4	250.5	258.7
72.5°	216.8	214.4	207.2	203.9	208.2
75°	175.9	173.5	165.8	161.9	162.5
77.5°	141.3	137.5	131.2	124.6	123.2
80°	107.3	105.7	99.6	93.3	88.4
82.5°	76.0	72.7	69.2	65.3	61.5
85°	45.6	44.7	41.4	39.0	35.6
87.5°	18.7	18.7	17.8	16.8	15.9
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	13.1	14.7	13.5	15.1	15.4	13.3	14.9	13.7	15.2	15.5
	3H	14.5	16.0	14.9	16.3	16.6	14.6	16.1	15.0	16.4	16.7
	4H	15.0	16.4	15.4	16.7	17.1	15.1	16.4	15.5	16.7	17.1
	6H	15.4	16.7	15.8	17.0	17.4	15.3	16.6	15.7	16.9	17.3
	8H	15.5	16.7	16.0	17.1	17.5	15.4	16.6	15.8	17.0	17.4
	12H	15.6	16.8	16.1	17.1	17.6	15.5	16.6	15.9	17.0	17.4
4H	2H	13.6	15.0	14.0	15.3	15.7	13.8	15.1	14.2	15.5	15.8
	3H	15.2	16.3	15.6	16.7	17.1	15.3	16.4	15.7	16.8	17.2
	4H	15.8	16.9	16.3	17.3	17.7	15.8	16.8	16.3	17.2	17.7
	6H	16.4	17.2	16.8	17.7	18.1	16.2	17.1	16.7	17.5	18.0
	8H	16.5	17.3	17.0	17.8	18.3	16.3	17.1	16.8	17.6	18.1
	12H	16.7	17.4	17.1	17.9	18.3	16.4	17.1	16.9	17.6	18.1
8H	4H	16.1	16.9	16.5	17.3	17.8	16.0	16.9	16.5	17.3	17.8
	6H	16.7	17.4	17.2	17.8	18.3	16.5	17.2	17.0	17.7	18.2
	8H	16.9	17.5	17.4	18.0	18.5	16.7	17.3	17.2	17.8	18.3
	12H	17.1	17.6	17.6	18.1	18.7	16.8	17.4	17.3	17.9	18.4
12H	4H	16.1	16.8	16.5	17.3	17.8	16.1	16.8	16.5	17.3	17.7
	6H	16.7	17.3	17.2	17.8	18.3	16.6	17.2	17.1	17.6	18.2
	8H	17.0	17.5	17.5	18.0	18.6	16.8	17.3	17.3	17.8	18.4

(END OF REPORT)