

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: P1471788

Luminaire Tested: 24PTR-35S-PR1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471788
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-35S-PR1-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

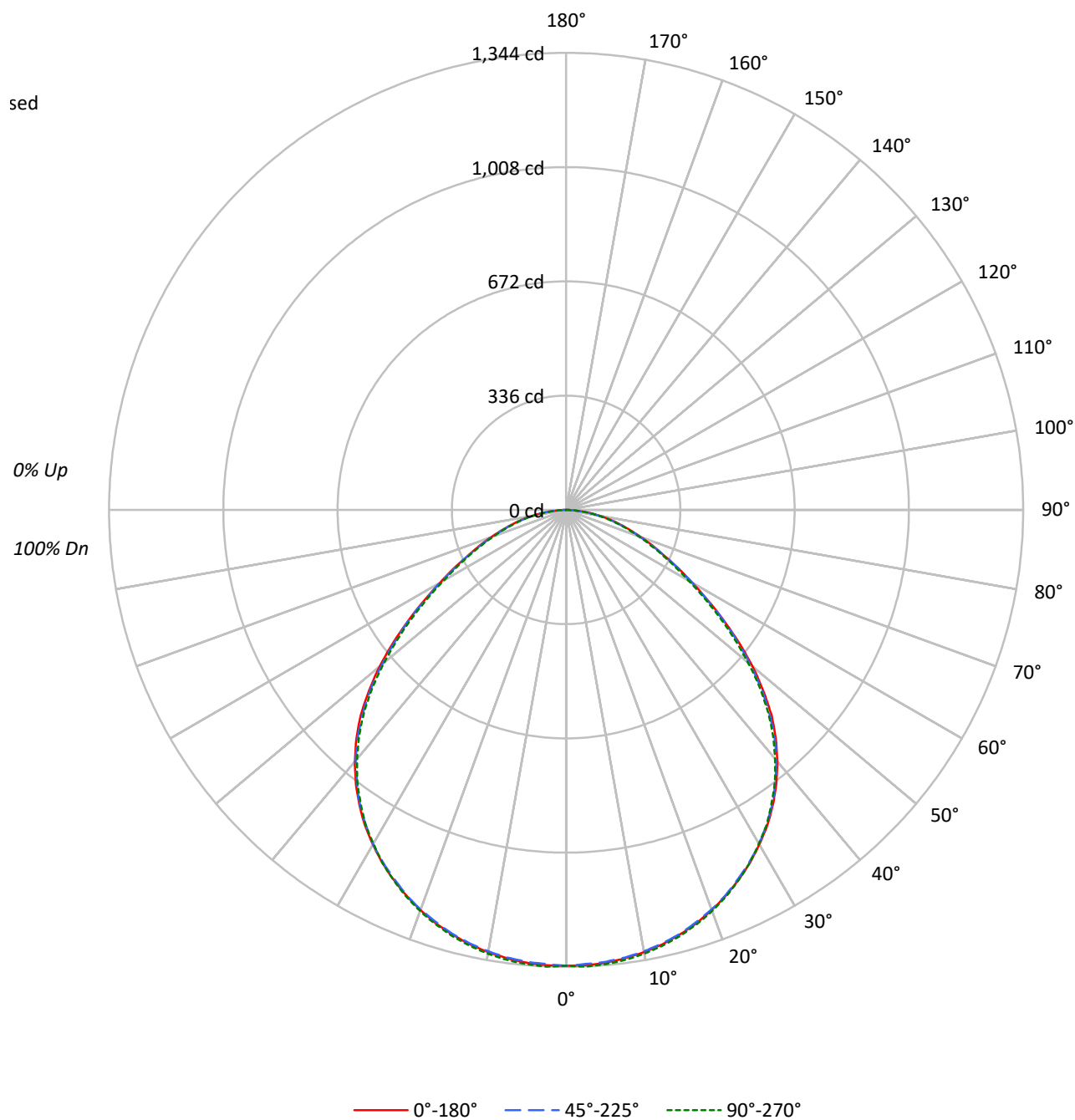
Lumens per Lamp: N/A
Luminaire Lumens: 3390.3 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1804	1804	1804
5°	1805	1801	1811
10°	1804	1801	1811
15°	1801	1798	1806
20°	1793	1791	1798
25°	1781	1777	1783
30°	1765	1763	1761
35°	1741	1737	1730
40°	1697	1690	1678
45°	1626	1608	1596
50°	1496	1480	1461
55°	1324	1319	1293
60°	1151	1147	1116
65°	1014	1008	988
70°	920	907	889
75°	852	832	817
80°	778	767	742
85°	614	610	585

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1626 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	3.8
10°-20°	365.0	10.8
20°-30°	552.9	16.3
30°-40°	660.1	19.5
40°-50°	649.1	19.1
50°-60°	501.7	14.8
60°-70°	316.4	9.3
70°-80°	171.1	5.0
80°-90°	46.7	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°	1045.1	30.8
0°-40°	1705.2	50.3
0°-60°	2856.0	84.2
0°-90°	3390.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3390.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1341	1341	1341	1341	1341	
5°	1337	1337	1334	1340	1341	127
15°	1293	1293	1291	1295	1297	365
25°	1200	1201	1197	1201	1201	553
35°	1060	1060	1058	1056	1053	662
45°	855	851	845	838	839	655
55°	565	569	562	553	551	507
65°	319	319	317	311	310	321
75°	164	162	160	161	157	174
85°	40	40	40	40	38	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1340.6	1340.6	1340.6	1340.6	1340.6
2.5°	1340.0	1340.6	1336.7	1343.0	1344.4
5°	1336.7	1337.2	1333.8	1339.5	1341.1
7.5°	1329.9	1331.0	1327.6	1333.4	1334.8
10°	1320.3	1321.4	1318.0	1323.8	1325.2
12.5°	1308.4	1308.8	1306.0	1311.2	1312.6
15°	1292.6	1292.9	1290.6	1294.8	1296.7
17.5°	1274.2	1274.7	1271.4	1276.7	1277.5
20°	1252.2	1252.6	1250.7	1255.0	1255.5
22.5°	1227.6	1228.7	1225.7	1229.5	1230.1
25°	1199.9	1200.7	1196.9	1200.7	1201.3
27.5°	1170.5	1170.9	1167.6	1170.5	1170.0
30°	1136.3	1139.3	1134.9	1133.9	1133.5
32.5°	1100.9	1101.2	1097.0	1096.0	1097.9
35°	1060.0	1060.4	1057.6	1056.2	1053.2
37.5°	1015.3	1015.3	1009.9	1009.0	1008.5
40°	966.3	965.7	962.4	959.1	955.6
42.5°	912.9	913.9	907.1	901.3	900.5
45°	854.7	851.4	845.1	838.5	839.0
47.5°	786.1	787.0	778.4	773.0	771.6
50°	714.9	714.9	706.9	701.1	698.1
52.5°	640.5	641.0	633.4	625.7	624.1
55°	564.6	569.3	562.1	553.1	551.1
57.5°	493.5	497.4	490.6	481.0	480.4
60°	427.7	428.1	426.1	417.1	414.6
62.5°	371.5	369.1	368.0	363.3	360.3
65°	318.6	319.1	316.7	311.3	310.4
67.5°	275.8	275.3	270.9	267.6	265.7
70°	233.9	232.5	230.6	227.8	225.9
72.5°	196.6	196.6	195.0	194.1	190.8
75°	163.9	162.0	160.1	161.0	157.1
77.5°	132.7	130.8	129.2	127.3	126.4
80°	100.4	98.5	99.0	96.0	95.7
82.5°	69.7	69.7	68.8	66.3	66.9
85°	39.8	40.3	39.5	39.8	37.9
87.5°	14.5	14.8	15.9	14.8	14.8
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	12.6	14.1	12.9	14.5	14.8	12.4	13.9	12.7	14.2	14.5
	3H	13.9	15.3	14.3	15.7	16.0	13.7	15.1	14.1	15.4	15.8
	4H	14.4	15.8	14.8	16.1	16.5	14.2	15.5	14.6	15.9	16.3
	6H	14.9	16.1	15.3	16.4	16.8	14.6	15.8	15.0	16.2	16.6
	8H	15.0	16.1	15.4	16.5	16.9	14.8	15.9	15.2	16.3	16.7
	12H	15.1	16.2	15.5	16.6	17.0	14.8	15.9	15.3	16.3	16.8
4H	2H	13.0	14.3	13.4	14.7	15.1	12.8	14.2	13.2	14.5	14.9
	3H	14.6	15.7	15.0	16.1	16.5	14.4	15.5	14.8	15.9	16.3
	4H	15.2	16.2	15.7	16.7	17.1	15.1	16.1	15.5	16.5	16.9
	6H	15.8	16.7	16.2	17.1	17.6	15.6	16.5	16.1	16.9	17.4
	8H	16.0	16.8	16.4	17.2	17.7	15.8	16.6	16.2	17.0	17.5
	12H	16.1	16.8	16.6	17.3	17.8	15.9	16.6	16.4	17.1	17.6
8H	4H	15.5	16.3	16.0	16.7	17.2	15.3	16.1	15.8	16.6	17.0
	6H	16.1	16.8	16.6	17.3	17.8	16.0	16.6	16.5	17.1	17.6
	8H	16.4	17.0	16.9	17.5	18.0	16.2	16.8	16.7	17.3	17.8
	12H	16.6	17.1	17.1	17.6	18.2	16.4	16.9	16.9	17.4	18.0
12H	4H	15.5	16.2	16.0	16.7	17.2	15.4	16.1	15.8	16.6	17.0
	6H	16.2	16.8	16.7	17.3	17.8	16.0	16.6	16.6	17.1	17.6
	8H	16.5	17.0	17.0	17.5	18.1	16.3	16.8	16.8	17.3	17.9

(END OF REPORT)