

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: P1471779

Luminaire Tested: 24PTR-35S-PC3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35S-PC3-L835-UNV-STD-B
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

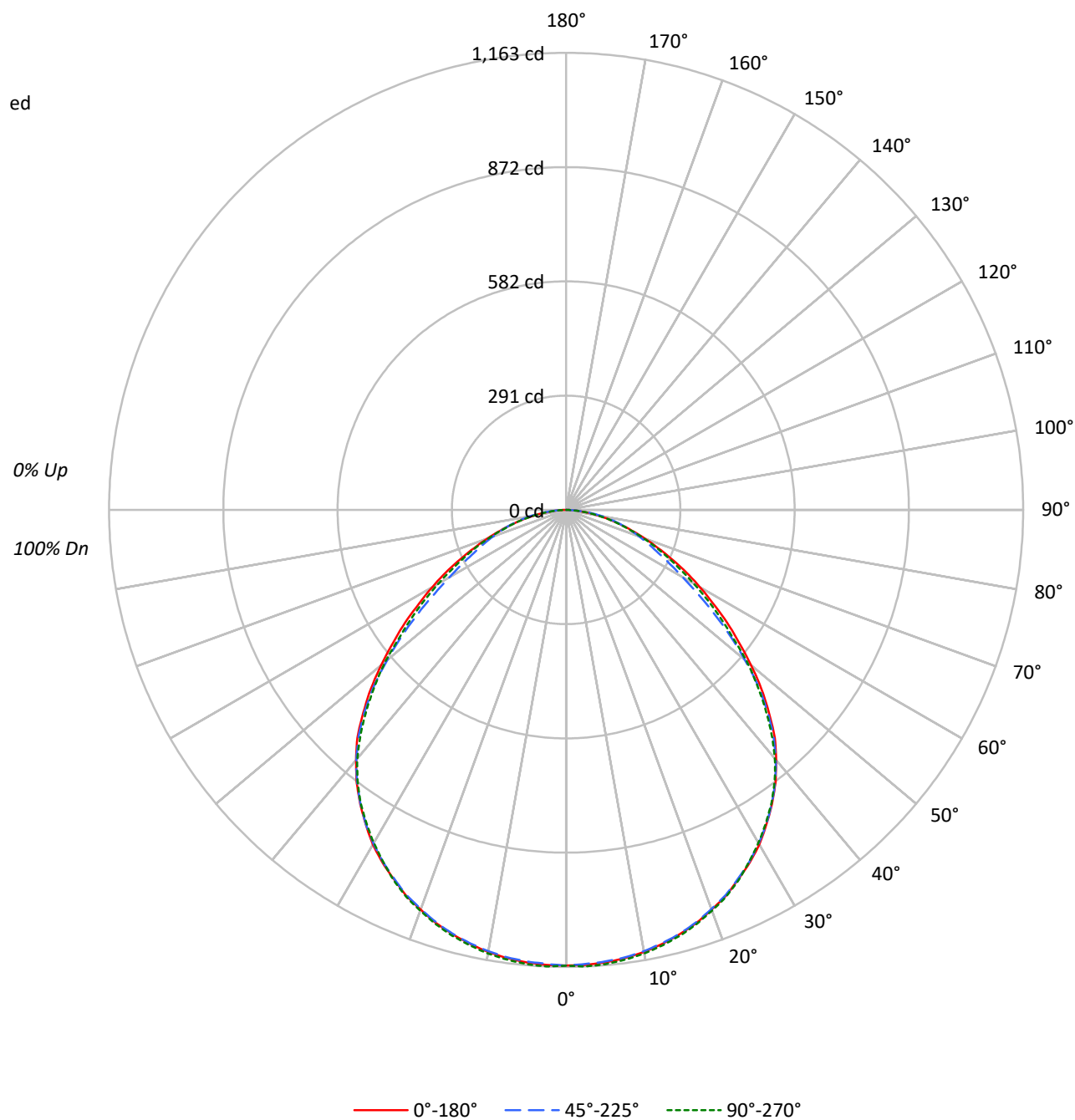
Lumens per Lamp: N/A
Luminaire Lumens: 2923.4 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1560	1560	1560
5°	1561	1558	1567
10°	1561	1558	1566
15°	1557	1555	1562
20°	1550	1548	1554
25°	1539	1537	1543
30°	1528	1523	1520
35°	1500	1499	1496
40°	1460	1458	1452
45°	1389	1379	1365
50°	1286	1243	1256
55°	1173	1078	1127
60°	1058	920	1009
65°	946	823	907
70°	839	779	816
75°	742	754	727
80°	640	721	636
85°	479	570	479

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1392 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	3.8
10°-20°	315.7	10.8
20°-30°	478.0	16.3
30°-40°	569.8	19.5
40°-50°	556.8	19.0
50°-60°	425.7	14.6
60°-70°	273.3	9.4
70°-80°	152.1	5.2
80°-90°	42.0	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°	903.6	30.9
0°-40°	1473.5	50.4
0°-60°	2456.0	84.0
0°-90°	2923.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2923.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1160	1160	1160	1160	1160	
5°	1156	1156	1153	1159	1160	110
15°	1118	1119	1116	1120	1121	315
25°	1037	1038	1035	1039	1039	478
35°	913	914	912	912	911	571
45°	730	732	724	723	717	562
55°	500	483	460	465	480	447
65°	297	274	258	267	285	296
75°	143	144	145	143	140	152
85°	31	36	37	36	31	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1159.6	1159.6	1159.6	1159.6	1159.6
2.5°	1158.8	1159.3	1156.3	1161.2	1162.9
5°	1155.5	1156.3	1153.4	1158.8	1160.0
7.5°	1150.5	1151.3	1148.4	1153.8	1154.3
10°	1142.2	1142.7	1140.1	1145.6	1146.3
12.5°	1131.1	1132.3	1129.4	1134.4	1134.7
15°	1117.7	1118.6	1116.5	1120.2	1121.4
17.5°	1102.0	1102.5	1100.3	1104.4	1104.9
20°	1082.4	1082.4	1080.8	1085.4	1085.4
22.5°	1062.5	1061.3	1060.9	1062.5	1065.1
25°	1036.9	1038.1	1035.3	1038.6	1039.3
27.5°	1012.0	1012.0	1009.5	1011.1	1009.0
30°	983.4	981.8	980.1	980.4	978.4
32.5°	948.9	948.9	948.2	948.2	945.6
35°	913.3	914.1	912.4	912.0	910.8
37.5°	875.1	876.4	873.4	872.7	871.7
40°	831.5	831.5	830.3	828.7	826.5
42.5°	786.3	786.3	781.0	776.8	774.0
45°	729.9	731.6	724.5	722.9	717.1
47.5°	673.9	672.7	663.2	662.0	658.7
50°	614.2	607.1	593.6	597.2	600.2
52.5°	554.5	545.8	525.9	530.0	535.0
55°	500.1	482.8	459.6	465.3	480.3
57.5°	443.3	420.1	396.9	407.8	426.3
60°	393.2	367.1	341.8	353.4	374.9
62.5°	345.1	317.4	297.0	308.2	326.4
65°	297.0	274.1	258.4	267.0	285.0
67.5°	253.0	237.6	226.9	231.0	245.5
70°	213.2	203.6	197.9	199.1	207.4
72.5°	175.4	173.0	170.9	170.9	171.6
75°	142.7	143.9	145.1	143.2	139.8
77.5°	112.4	116.5	119.5	115.3	111.2
80°	82.6	89.2	93.0	88.3	82.1
82.5°	56.4	63.9	65.1	62.2	55.2
85°	31.0	36.5	36.9	35.7	31.0
87.5°	11.6	13.7	14.9	13.7	12.1
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	12.0	13.6	12.4	13.9	14.2	11.8	13.3	12.1	13.7	14.0
	3H	13.4	14.9	13.8	15.2	15.5	13.2	14.6	13.6	15.0	15.3
	4H	14.0	15.3	14.4	15.7	16.0	13.8	15.1	14.2	15.5	15.8
	6H	14.4	15.6	14.8	16.0	16.4	14.2	15.4	14.6	15.8	16.2
	8H	14.5	15.7	14.9	16.1	16.5	14.3	15.5	14.7	15.9	16.3
	12H	14.6	15.7	15.0	16.1	16.5	14.4	15.5	14.8	15.9	16.3
4H	2H	12.4	13.7	12.8	14.1	14.4	12.2	13.5	12.6	13.9	14.3
	3H	14.1	15.2	14.5	15.6	16.0	13.9	15.0	14.3	15.4	15.8
	4H	14.8	15.8	15.2	16.2	16.6	14.6	15.6	15.0	16.0	16.5
	6H	15.3	16.2	15.8	16.6	17.1	15.2	16.0	15.6	16.5	16.9
	8H	15.5	16.3	15.9	16.7	17.2	15.3	16.1	15.8	16.6	17.1
	12H	15.6	16.3	16.1	16.8	17.3	15.4	16.2	15.9	16.6	17.1
8H	4H	15.0	15.8	15.5	16.3	16.8	14.9	15.7	15.4	16.1	16.6
	6H	15.7	16.4	16.2	16.9	17.3	15.6	16.2	16.1	16.7	17.2
	8H	16.0	16.6	16.5	17.1	17.5	15.8	16.4	16.3	16.9	17.4
	12H	16.1	16.7	16.6	17.1	17.7	16.0	16.5	16.5	17.0	17.6
12H	4H	15.1	15.8	15.5	16.3	16.7	14.9	15.6	15.4	16.1	16.6
	6H	15.8	16.4	16.3	16.8	17.4	15.6	16.3	16.2	16.7	17.3
	8H	16.1	16.6	16.6	17.1	17.6	15.9	16.5	16.4	17.0	17.5

(END OF REPORT)