

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: P1471716

Luminaire Tested: 22PTR-35S-PC3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471716
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: 22PTR-35S-PC3-L835-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

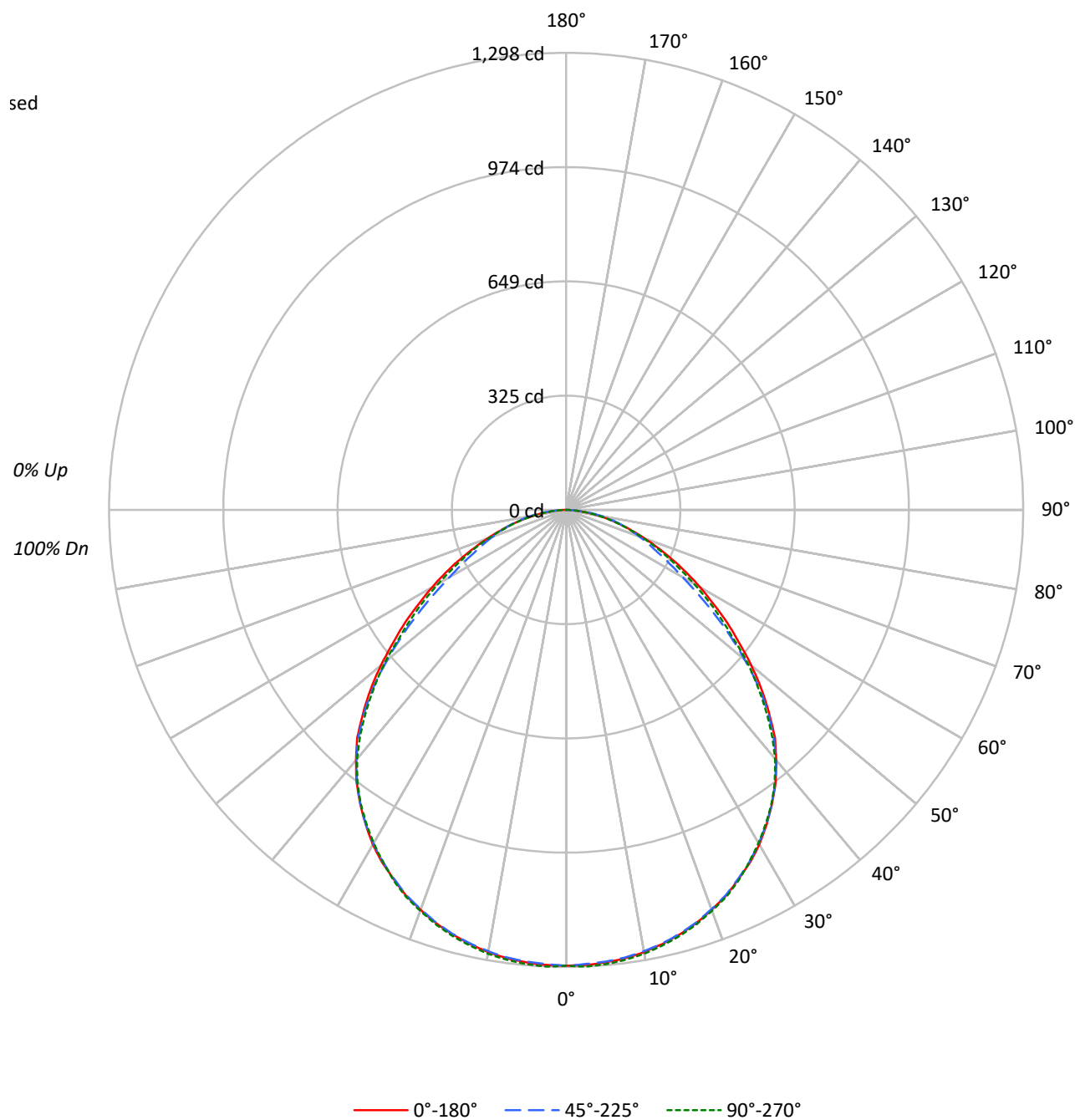
Lumens per Lamp: N/A
Luminaire Lumens: 3263.8 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.9
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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	105	101	98	107	103	99	96		99	96	93		95	92	90		91	89	87
2	100	93	86	81	98	91	85	80		87	82	78		84	80	76		81	78	75
3	92	82	74	68	90	80	73	68		77	71	66		75	70	65		72	68	64
4	85	73	65	58	82	72	64	58		69	63	57		67	61	56		65	60	56
5	78	66	57	51	76	65	56	50		62	55	50		61	54	49		59	53	49
6	72	59	51	45	70	58	50	44		57	49	44		55	49	44		53	48	43
7	67	54	46	40	65	53	45	39		52	44	39		50	44	39		49	43	39
8	62	49	41	35	61	49	41	35		47	40	35		46	40	35		45	39	35
9	58	45	37	32	57	45	37	32		44	37	32		43	36	32		42	36	31
10	55	42	34	29	54	41	34	29		40	34	29		40	33	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3484	3484	3484
5°	3485	3478	3498
10°	3484	3478	3497
15°	3476	3473	3488
20°	3460	3455	3470
25°	3437	3432	3445
30°	3411	3400	3394
35°	3350	3347	3340
40°	3261	3256	3242
45°	3101	3078	3047
50°	2871	2774	2805
55°	2620	2407	2516
60°	2362	2054	2253
65°	2111	1837	2025
70°	1873	1738	1821
75°	1656	1684	1623
80°	1429	1609	1421
85°	1071	1272	1071

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3108 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.8	3.8
10°-20°	352.4	10.8
20°-30°	533.6	16.3
30°-40°	636.2	19.5
40°-50°	621.6	19.0
50°-60°	475.3	14.6
60°-70°	305.2	9.4
70°-80°	169.8	5.2
80°-90°	46.9	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°	1008.8	30.9
0°-40°	1645.0	50.4
0°-60°	2742.0	84.0
0°-90°	3263.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3263.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1295	1295	1295	1295	1295	
5°	1290	1291	1288	1294	1295	123
15°	1248	1249	1246	1251	1252	352
25°	1158	1159	1156	1160	1160	534
35°	1020	1020	1019	1018	1017	637
45°	815	817	809	807	801	627
55°	558	539	513	520	536	499
65°	332	306	288	298	318	331
75°	159	161	162	160	156	170
85°	35	41	41	40	35	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1294.6	1294.6	1294.6	1294.6	1294.6
2.5°	1293.7	1294.2	1290.9	1296.4	1298.3
5°	1290.0	1290.9	1287.7	1293.7	1295.1
7.5°	1284.5	1285.3	1282.1	1288.2	1288.7
10°	1275.2	1275.7	1272.9	1278.9	1279.8
12.5°	1262.8	1264.1	1260.9	1266.5	1266.8
15°	1247.8	1248.8	1246.5	1250.7	1252.0
17.5°	1230.3	1230.8	1228.5	1233.0	1233.5
20°	1208.4	1208.4	1206.6	1211.8	1211.8
22.5°	1186.2	1184.9	1184.4	1186.2	1189.1
25°	1157.6	1159.0	1155.8	1159.5	1160.3
27.5°	1129.9	1129.9	1127.0	1128.9	1126.5
30°	1097.9	1096.1	1094.2	1094.5	1092.4
32.5°	1059.4	1059.4	1058.5	1058.5	1055.7
35°	1019.7	1020.5	1018.7	1018.2	1016.8
37.5°	976.9	978.5	975.1	974.3	973.2
40°	928.3	928.3	927.0	925.1	922.8
42.5°	877.9	877.9	872.0	867.3	864.1
45°	814.9	816.8	808.9	807.0	800.6
47.5°	752.4	751.0	740.4	739.1	735.4
50°	685.7	677.8	662.7	666.7	670.1
52.5°	619.1	609.4	587.1	591.7	597.2
55°	558.4	539.0	513.1	519.5	536.2
57.5°	495.0	469.0	443.1	455.2	475.9
60°	438.9	409.8	381.6	394.5	418.6
62.5°	385.3	354.3	331.6	344.0	364.4
65°	331.6	306.0	288.5	298.1	318.1
67.5°	282.5	265.3	253.4	257.9	274.1
70°	238.1	227.3	220.9	222.2	231.5
72.5°	195.8	193.1	190.8	190.8	191.6
75°	159.3	160.7	162.0	159.8	156.1
77.5°	125.5	130.0	133.4	128.7	124.2
80°	92.2	99.6	103.8	98.6	91.7
82.5°	62.9	71.3	72.7	69.5	61.6
85°	34.7	40.7	41.2	39.9	34.7
87.5°	13.0	15.3	16.7	15.3	13.5
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	14.8	16.4	15.2	16.7	17.0	14.6	16.1	14.9	16.5	16.8
	3H	16.2	17.6	16.6	18.0	18.3	16.0	17.4	16.4	17.8	18.1
	4H	16.8	18.1	17.2	18.4	18.8	16.6	17.9	17.0	18.2	18.6
	6H	17.2	18.4	17.6	18.8	19.1	17.0	18.2	17.4	18.6	19.0
	8H	17.3	18.5	17.7	18.8	19.2	17.1	18.3	17.5	18.7	19.1
	12H	17.4	18.5	17.8	18.8	19.3	17.2	18.3	17.6	18.7	19.1
4H	2H	15.2	16.5	15.6	16.9	17.2	15.0	16.3	15.4	16.7	17.0
	3H	16.9	18.0	17.3	18.4	18.8	16.7	17.8	17.1	18.2	18.6
	4H	17.6	18.6	18.0	19.0	19.4	17.4	18.4	17.8	18.8	19.2
	6H	18.1	19.0	18.6	19.4	19.9	18.0	18.8	18.4	19.3	19.7
	8H	18.3	19.1	18.7	19.5	20.0	18.1	18.9	18.6	19.4	19.8
	12H	18.4	19.1	18.9	19.6	20.0	18.2	19.0	18.7	19.4	19.9
8H	4H	17.8	18.6	18.3	19.1	19.5	17.7	18.5	18.1	18.9	19.4
	6H	18.5	19.2	19.0	19.7	20.1	18.4	19.0	18.9	19.5	20.0
	8H	18.7	19.3	19.3	19.9	20.3	18.6	19.2	19.1	19.7	20.2
	12H	18.9	19.4	19.4	19.9	20.5	18.8	19.3	19.3	19.8	20.4
12H	4H	17.9	18.6	18.3	19.1	19.5	17.7	18.4	18.2	18.9	19.4
	6H	18.6	19.2	19.1	19.6	20.2	18.4	19.0	19.0	19.5	20.0
	8H	18.9	19.4	19.4	19.9	20.4	18.7	19.3	19.2	19.8	20.3

(END OF REPORT)