

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: P1471668

Luminaire Tested: 14PTR-42S-PC3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471668
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: 14PTR-42S-PC3-L835-UNV-STD-W
Description: 4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

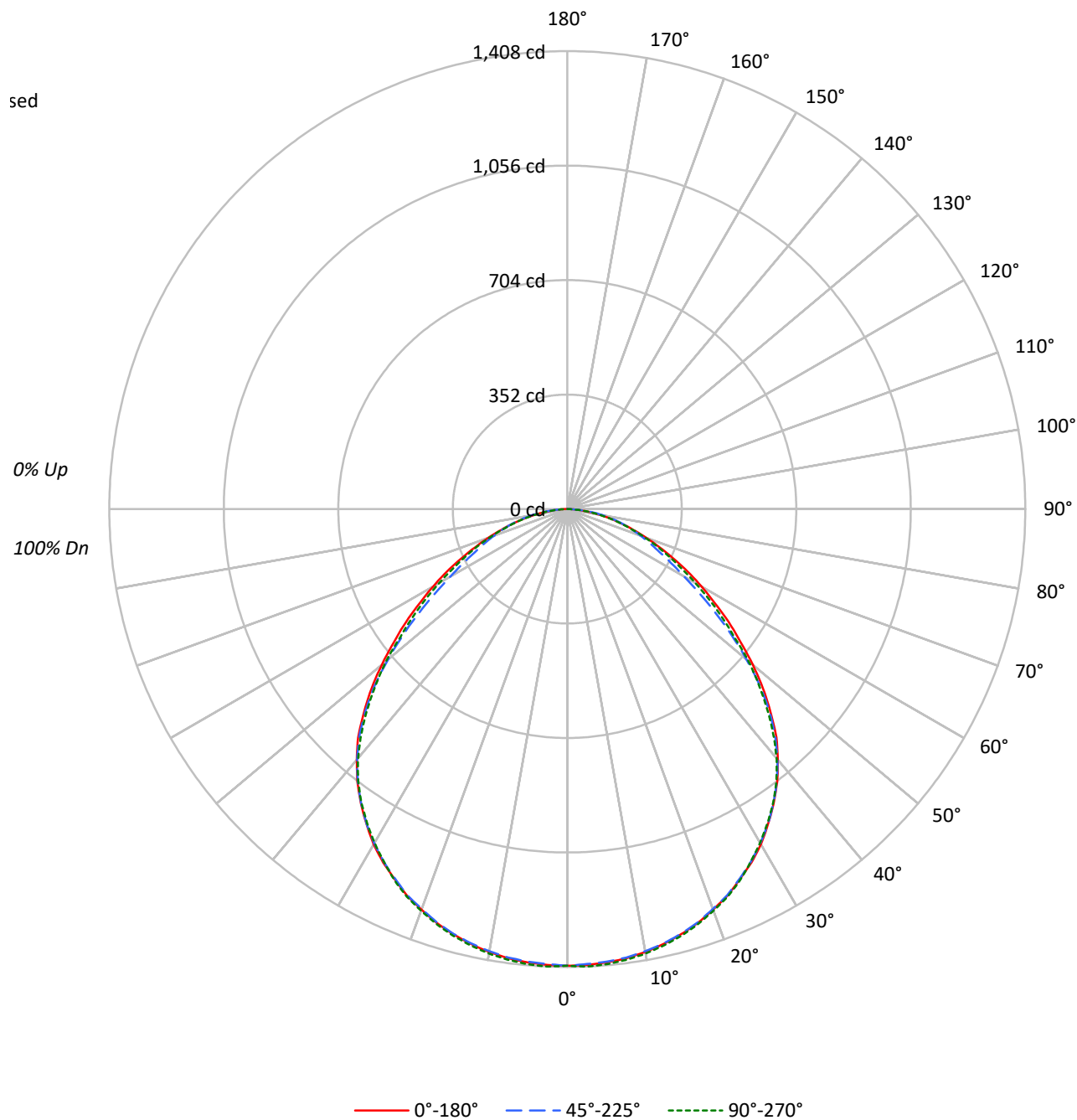
Lumens per Lamp: N/A
Luminaire Lumens: 3539.8 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.7
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°	3778	3778	3778
5°	3780	3773	3794
10°	3779	3772	3793
15°	3770	3766	3783
20°	3753	3747	3764
25°	3728	3722	3737
30°	3700	3688	3681
35°	3633	3629	3623
40°	3537	3532	3516
45°	3364	3339	3305
50°	3113	3009	3043
55°	2841	2611	2728
60°	2562	2227	2443
65°	2290	1992	2197
70°	2031	1885	1976
75°	1797	1827	1760
80°	1550	1745	1540
85°	1161	1380	1161

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3371 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.2	3.8
10°-20°	382.3	10.8
20°-30°	578.7	16.3
30°-40°	690.0	19.5
40°-50°	674.2	19.0
50°-60°	515.5	14.6
60°-70°	331.0	9.3
70°-80°	184.1	5.2
80°-90°	50.9	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°	1094.2	30.9
0°-40°	1784.2	50.4
0°-60°	2973.9	84.0
0°-90°	3539.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3539.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1404	1404	1404	1404	1404	
5°	1399	1400	1397	1403	1405	133
15°	1353	1354	1352	1356	1358	382
25°	1256	1257	1254	1258	1258	579
35°	1106	1107	1105	1104	1103	691
45°	884	886	877	875	868	680
55°	606	585	556	564	582	541
65°	360	332	313	323	345	359
75°	173	174	176	173	169	185
85°	38	44	45	43	38	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1404.1	1404.1	1404.1	1404.1	1404.1
2.5°	1403.2	1403.7	1400.1	1406.1	1408.1
5°	1399.2	1400.1	1396.6	1403.2	1404.6
7.5°	1393.1	1394.0	1390.6	1397.1	1397.7
10°	1383.1	1383.6	1380.5	1387.1	1388.0
12.5°	1369.6	1371.1	1367.6	1373.6	1374.0
15°	1353.4	1354.4	1351.9	1356.5	1357.9
17.5°	1334.4	1334.9	1332.4	1337.3	1337.8
20°	1310.7	1310.7	1308.6	1314.3	1314.3
22.5°	1286.6	1285.1	1284.6	1286.6	1289.7
25°	1255.5	1257.0	1253.5	1257.6	1258.5
27.5°	1225.4	1225.4	1222.3	1224.3	1221.8
30°	1190.8	1188.8	1186.8	1187.1	1184.8
32.5°	1149.0	1149.0	1148.1	1148.1	1145.0
35°	1105.9	1106.8	1104.8	1104.3	1102.8
37.5°	1059.6	1061.2	1057.6	1056.7	1055.6
40°	1006.8	1006.8	1005.4	1003.4	1000.8
42.5°	952.1	952.1	945.7	940.6	937.1
45°	883.9	885.9	877.3	875.3	868.4
47.5°	816.0	814.5	803.0	801.6	797.6
50°	743.7	735.2	718.7	723.1	726.8
52.5°	671.5	660.9	636.8	641.7	647.8
55°	605.6	584.6	556.5	563.5	581.5
57.5°	536.8	508.7	480.6	493.8	516.2
60°	476.1	444.5	413.8	427.9	454.0
62.5°	417.8	384.3	359.6	373.1	395.2
65°	359.6	331.9	312.9	323.3	345.0
67.5°	306.4	287.7	274.8	279.7	297.2
70°	258.2	246.5	239.6	241.0	251.1
72.5°	212.4	209.5	206.9	206.9	207.8
75°	172.8	174.3	175.7	173.3	169.3
77.5°	136.1	141.0	144.7	139.6	134.7
80°	100.0	108.0	112.6	106.9	99.4
82.5°	68.2	77.4	78.8	75.4	66.8
85°	37.6	44.2	44.7	43.2	37.6
87.5°	14.0	16.6	18.1	16.6	14.6
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	15.1	16.6	15.4	17.0	17.3	14.9	16.4	15.2	16.7	17.0
	3H	16.5	17.9	16.9	18.3	18.6	16.3	17.7	16.7	18.0	18.4
	4H	17.1	18.4	17.5	18.7	19.1	16.9	18.2	17.3	18.5	18.9
	6H	17.5	18.7	17.9	19.0	19.4	17.3	18.5	17.7	18.9	19.3
	8H	17.6	18.7	18.0	19.1	19.5	17.4	18.6	17.8	18.9	19.3
	12H	17.6	18.7	18.1	19.1	19.6	17.5	18.6	17.9	19.0	19.4
4H	2H	15.5	16.8	15.9	17.1	17.5	15.3	16.6	15.7	16.9	17.3
	3H	17.2	18.3	17.6	18.7	19.1	17.0	18.1	17.4	18.5	18.9
	4H	17.8	18.8	18.3	19.2	19.7	17.7	18.7	18.1	19.1	19.5
	6H	18.4	19.2	18.8	19.7	20.1	18.2	19.1	18.7	19.5	20.0
	8H	18.6	19.4	19.0	19.8	20.3	18.4	19.2	18.9	19.7	20.1
	12H	18.7	19.4	19.1	19.9	20.3	18.5	19.2	19.0	19.7	20.2
8H	4H	18.1	18.9	18.6	19.4	19.8	18.0	18.8	18.4	19.2	19.7
	6H	18.8	19.4	19.3	19.9	20.4	18.7	19.3	19.1	19.8	20.3
	8H	19.0	19.6	19.5	20.1	20.6	18.9	19.5	19.4	20.0	20.5
	12H	19.2	19.7	19.7	20.2	20.8	19.1	19.6	19.6	20.1	20.7
12H	4H	18.1	18.9	18.6	19.3	19.8	18.0	18.7	18.5	19.2	19.7
	6H	18.8	19.4	19.4	19.9	20.4	18.7	19.3	19.2	19.8	20.3
	8H	19.1	19.7	19.6	20.2	20.7	19.0	19.5	19.5	20.0	20.6

(END OF REPORT)