Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1471674

Luminaire Tested: 14PTR-42S-PP3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471674
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14PTR-42S-PP3-L835-UNV-STD-W
Description:	4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3571.6 lumens
Efficiency:	N/A
Efficacy:	112.7 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 1.24 / 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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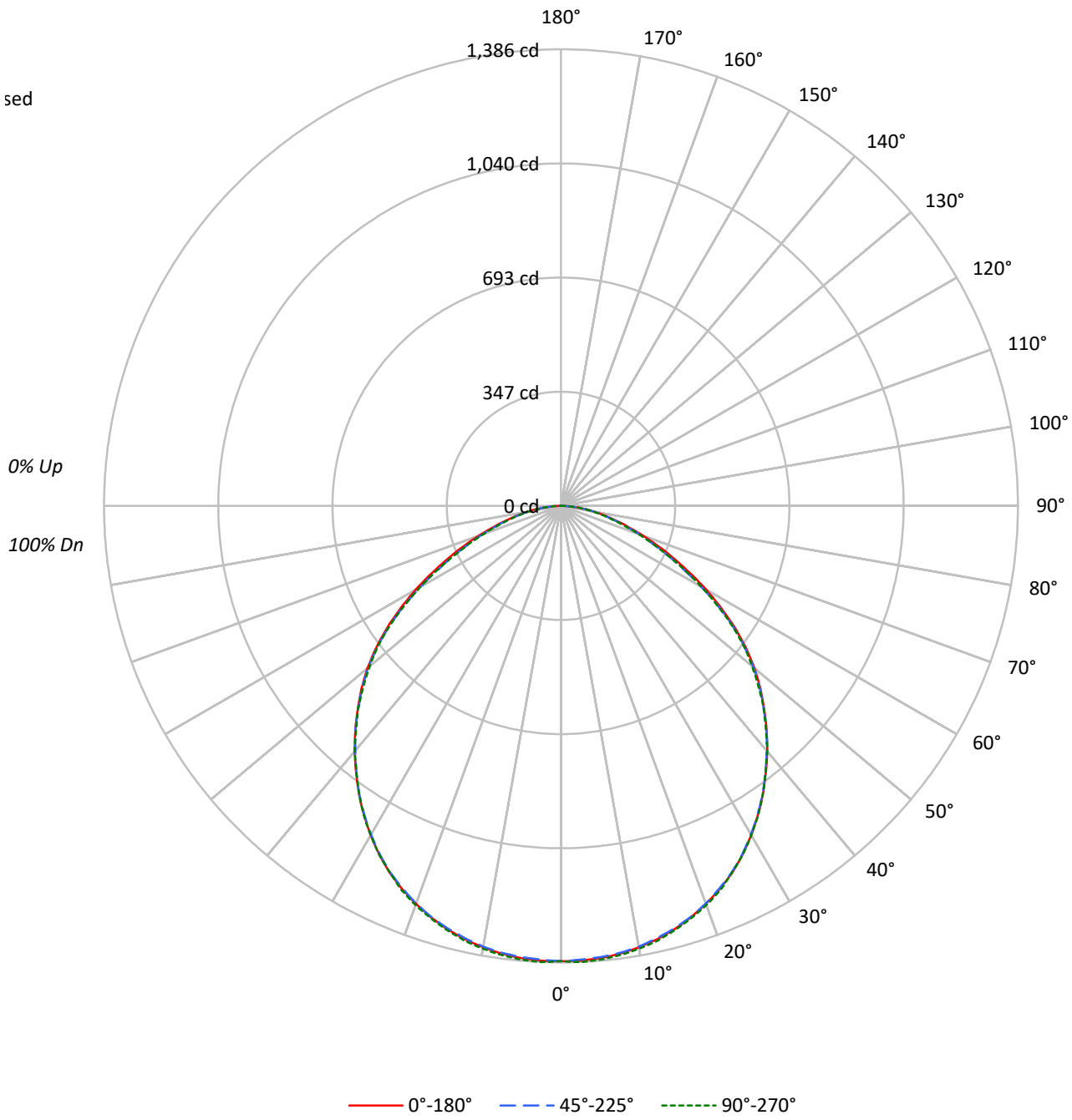
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3720	3720	3720
5°	3723	3715	3735
10°	3718	3712	3730
15°	3706	3699	3715
20°	3681	3678	3694
25°	3649	3643	3647
30°	3587	3580	3587
35°	3509	3504	3507
40°	3419	3408	3417
45°	3317	3307	3311
50°	3206	3190	3167
55°	3018	2982	2973
60°	2738	2646	2651
65°	2406	2285	2281
70°	2080	1985	1962
75°	1799	1732	1695
80°	1593	1571	1500
85°	1318	1362	1284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 3328 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	3.7
10°-20°	375.6	10.5
20°-30°	565.4	15.8
30°-40°	667.3	18.7
40°-50°	671.2	18.8
50°-60°	566.6	15.9
60°-70°	363.9	10.2
70°-80°	181.0	5.1
80°-90°	49.6	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°	1072.1	30.0
0°-40°	1739.4	48.7
0°-60°	2977.1	83.4
0°-90°	3571.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3571.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1382	1382	1382	1382	1382	
5°	1378	1379	1375	1382	1383	131
15°	1330	1330	1328	1334	1334	375
25°	1229	1229	1227	1229	1228	565
35°	1068	1069	1067	1068	1068	668
45°	872	875	869	870	870	673
55°	643	643	636	633	634	572
65°	378	372	359	355	358	377
75°	173	172	167	165	163	187
85°	43	44	44	42	42	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1382.3	1382.3	1382.3	1382.3	*1382.3*
2.5°	*1381.8*	*1382.3*	*1378.7*	*1385.2*	*1386.3*
5°	1378.3	1378.7	1375.2	1381.8	*1382.7*
7.5°	1371.2	1371.7	1368.6	1374.7	*1375.7*
10°	1360.6	1362.3	1358.6	1364.3	*1365.2*
12.5°	1347.7	1348.2	1344.6	1351.1	*1352.2*
15°	1330.2	1330.5	1327.6	1333.6	*1333.6*
17.5°	1309.9	1310.5	1308.5	1313.6	*1313.0*
20°	1285.5	1287.0	1284.4	1287.9	*1289.9*
22.5°	1258.9	1259.4	1256.3	1260.9	*1262.9*
25°	1228.8	1229.2	1226.8	1229.2	*1228.3*
27.5°	1193.6	1194.5	1191.1	1193.6	*1194.2*
30°	1154.4	1157.0	1152.0	1154.1	*1154.4*
32.5°	1112.3	1113.8	1110.3	1110.8	*1113.4*
35°	1068.2	1068.7	1066.7	1067.6	*1067.6*
37.5°	1020.6	1022.6	1019.5	1021.0	*1019.0*
40°	973.4	971.4	970.3	971.4	*972.8*
42.5°	923.6	924.2	922.7	921.6	*919.2*
45°	871.5	874.6	868.9	870.0	*870.0*
47.5°	820.4	820.8	817.9	814.8	*812.8*
50°	765.7	765.7	762.1	759.7	*756.6*
52.5°	705.9	705.0	701.0	698.4	*699.9*
55°	643.2	642.7	635.7	633.2	*633.7*
57.5°	574.5	575.6	565.0	562.4	*562.4*
60°	508.8	503.7	491.7	488.2	*492.6*
62.5°	439.9	433.9	421.0	421.0	*424.4*
65°	377.8	372.3	358.8	355.1	*358.2*
67.5°	319.6	314.5	302.1	300.1	*301.0*
70°	264.4	260.0	252.3	247.8	*249.4*
72.5°	216.8	212.8	207.7	204.2	*202.2*
75°	173.0	172.1	166.6	165.0	*163.0*
77.5°	136.9	136.6	132.0	130.0	*128.0*
80°	102.8	102.3	101.4	98.3	*96.8*
82.5°	73.3	73.3	72.7	70.2	*68.7*
85°	42.7	44.1	44.1	41.6	*41.6*
87.5°	17.1	18.0	17.1	17.1	*16.6*
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	15.8	17.4	16.2	17.7	18.0	15.6	17.2	16.0	17.5	17.9
	3H	17.1	18.5	17.5	18.9	19.2	16.9	18.3	17.3	18.6	19.0
	4H	17.6	18.9	18.0	19.2	19.6	17.3	18.6	17.7	19.0	19.4
	6H	17.9	19.1	18.3	19.5	19.9	17.6	18.9	18.0	19.2	19.6
	8H	18.0	19.2	18.4	19.6	20.0	17.7	18.9	18.1	19.3	19.7
	12H	18.1	19.2	18.5	19.6	20.0	17.8	18.9	18.2	19.3	19.7
4H	2H	16.2	17.6	16.6	17.9	18.3	16.1	17.4	16.5	17.8	18.2
	3H	17.7	18.9	18.2	19.3	19.7	17.5	18.7	17.9	19.0	19.4
	4H	18.3	19.3	18.7	19.7	20.2	18.1	19.1	18.5	19.5	19.9
	6H	18.8	19.6	19.2	20.1	20.5	18.5	19.4	19.0	19.8	20.3
	8H	18.9	19.7	19.4	20.2	20.6	18.7	19.5	19.1	19.9	20.4
	12H	19.0	19.8	19.5	20.2	20.7	18.8	19.5	19.2	20.0	20.4
8H	4H	18.5	19.3	19.0	19.8	20.2	18.3	19.1	18.8	19.6	20.0
	6H	19.1	19.7	19.6	20.2	20.7	18.8	19.5	19.3	20.0	20.5
	8H	19.3	19.9	19.8	20.4	20.9	19.0	19.7	19.6	20.2	20.6
	12H	19.5	20.0	20.0	20.5	21.0	19.2	19.8	19.7	20.2	20.8
12H	4H	18.5	19.2	19.0	19.7	20.2	18.3	19.0	18.8	19.5	20.0
	6H	19.1	19.7	19.6	20.2	20.7	18.9	19.5	19.4	20.0	20.5
	8H	19.4	19.9	19.9	20.4	21.0	19.1	19.7	19.6	20.2	20.7

(END OF REPORT)