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: P1471676

Luminaire Tested: 14PTR-42S-PR1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471676
	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:	14PTR-42S-PR1-L835-UNV-STD-W
Description:	4200 LUMEN 1X4 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:	3543.4 lumens
Efficiency:	N/A
Efficacy:	111.8 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.26 / 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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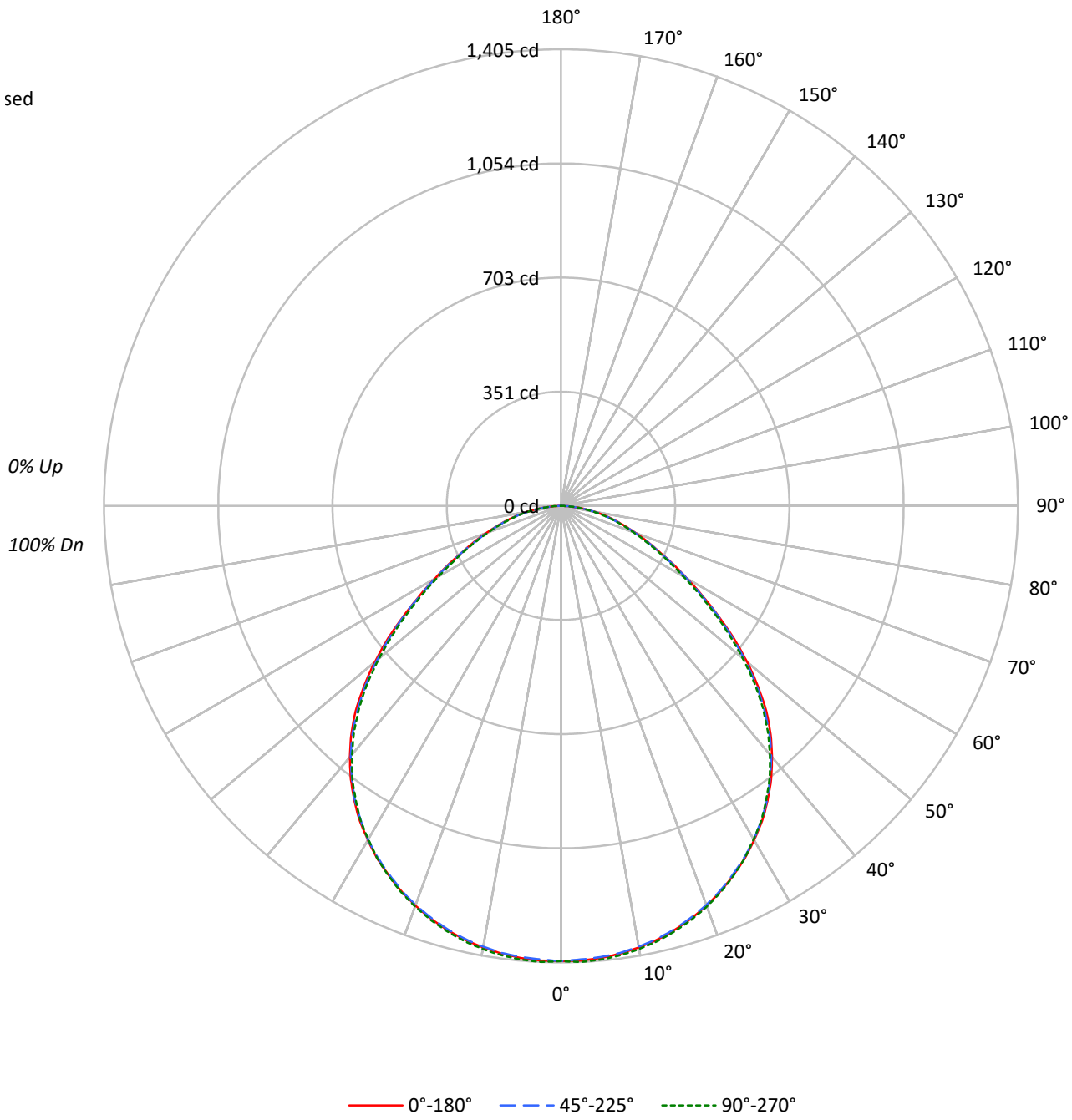
Luminous Intensity Polar Plot



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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3770	3770	3770
5°	3774	3766	3786
10°	3771	3764	3785
15°	3763	3758	3776
20°	3748	3743	3758
25°	3723	3714	3728
30°	3690	3686	3681
35°	3640	3631	3616
40°	3548	3534	3509
45°	3400	3362	3337
50°	3128	3093	3055
55°	2769	2756	2702
60°	2406	2397	2332
65°	2120	2108	2066
70°	1924	1896	1858
75°	1781	1739	1707
80°	1626	1604	1550
85°	1284	1272	1223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3400 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	3.8
10°-20°	381.5	10.8
20°-30°	577.9	16.3
30°-40°	689.9	19.5
40°-50°	678.5	19.1
50°-60°	524.4	14.8
60°-70°	330.6	9.3
70°-80°	178.8	5.0
80°-90°	48.8	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°	1092.3	30.8
0°-40°	1782.2	50.3
0°-60°	2985.0	84.2
0°-90°	3543.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3543.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1401	1401	1401	1401	1401	
5°	1397	1398	1394	1400	1402	133
15°	1351	1351	1349	1353	1355	381
25°	1254	1255	1251	1255	1256	578
35°	1108	1108	1105	1104	1101	692
45°	893	890	883	876	877	684
55°	590	595	588	578	576	530
65°	333	334	331	325	324	335
75°	171	169	167	168	164	182
85°	42	42	41	42	40	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1401.1	1401.1	1401.1	1401.1	*1401.1*
2.5°	*1400.6*	*1401.1*	*1397.1*	*1403.7*	*1405.1*
5°	1397.1	1397.6	1394.0	1400.0	*1401.7*
7.5°	1390.0	1391.1	1387.6	1393.6	*1395.1*
10°	1379.9	1381.0	1377.6	1383.6	*1385.0*
12.5°	1367.5	1367.9	1365.0	1370.5	*1371.9*
15°	1350.9	1351.3	1348.9	1353.3	*1355.3*
17.5°	1331.8	1332.3	1328.9	1334.3	*1335.2*
20°	1308.8	1309.1	1307.1	1311.7	*1312.2*
22.5°	1283.1	1284.1	1281.0	1285.1	*1285.6*
25°	1254.0	1255.0	1250.9	1255.0	*1255.5*
27.5°	1223.4	1223.8	1220.3	1223.4	*1222.8*
30°	1187.6	1190.7	1186.2	1185.1	*1184.7*
32.5°	1150.6	1151.0	1146.6	1145.5	*1147.5*
35°	1107.9	1108.3	1105.3	1103.9	*1100.8*
37.5°	1061.2	1061.2	1055.5	1054.6	*1054.1*
40°	1009.9	1009.4	1005.9	1002.4	*998.8*
42.5°	954.1	955.2	948.1	942.0	*941.1*
45°	893.3	889.9	883.3	876.4	*876.9*
47.5°	821.6	822.5	813.6	807.9	*806.5*
50°	747.2	747.2	738.8	732.8	*729.7*
52.5°	669.4	670.0	662.0	653.9	*652.3*
55°	590.1	595.0	587.5	578.0	*576.0*
57.5°	515.8	519.8	512.7	502.7	*502.1*
60°	447.0	447.4	445.4	435.9	*433.3*
62.5°	388.3	385.7	384.6	379.7	*376.6*
65°	333.0	333.5	331.0	325.3	*324.4*
67.5°	288.3	287.7	283.2	279.7	*277.7*
70°	244.5	243.0	241.0	238.1	*236.1*
72.5°	205.4	205.4	203.8	202.9	*199.4*
75°	171.3	169.3	167.3	168.2	*164.2*
77.5°	138.7	136.7	135.0	133.0	*132.1*
80°	104.9	102.9	103.5	100.4	*100.0*
82.5°	72.8	72.8	71.9	69.3	*69.9*
85°	41.6	42.1	41.2	41.6	*39.6*
87.5°	15.1	15.5	16.6	15.5	*15.5*
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	15.1	16.7	15.5	17.0	17.3	14.9	16.5	15.3	16.8	17.1
	3H	16.5	17.9	16.9	18.2	18.6	16.3	17.7	16.6	18.0	18.4
	4H	17.0	18.3	17.4	18.7	19.0	16.8	18.1	17.2	18.5	18.8
	6H	17.4	18.6	17.8	19.0	19.4	17.2	18.4	17.6	18.8	19.2
	8H	17.5	18.7	18.0	19.1	19.5	17.3	18.5	17.7	18.9	19.3
	12H	17.6	18.7	18.1	19.1	19.5	17.4	18.5	17.8	18.9	19.3
4H	2H	15.6	16.9	16.0	17.3	17.6	15.4	16.7	15.8	17.1	17.4
	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	18.2	19.2	19.6	17.6	18.6	18.1	19.0	19.5
	6H	18.4	19.2	18.8	19.7	20.1	18.2	19.0	18.6	19.5	19.9
	8H	18.5	19.3	19.0	19.8	20.2	18.3	19.1	18.8	19.6	20.1
	12H	18.6	19.4	19.1	19.8	20.3	18.5	19.2	18.9	19.6	20.1
8H	4H	18.0	18.9	18.5	19.3	19.8	17.9	18.7	18.4	19.1	19.6
	6H	18.7	19.4	19.2	19.9	20.3	18.5	19.2	19.0	19.7	20.2
	8H	19.0	19.6	19.5	20.1	20.5	18.8	19.4	19.3	19.9	20.4
	12H	19.1	19.7	19.6	20.2	20.7	19.0	19.5	19.5	20.0	20.5
12H	4H	18.1	18.8	18.6	19.3	19.7	17.9	18.6	18.4	19.1	19.6
	6H	18.8	19.4	19.3	19.8	20.4	18.6	19.2	19.1	19.7	20.2
	8H	19.0	19.6	19.6	20.1	20.6	18.9	19.4	19.4	19.9	20.5

(END OF REPORT)