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: P1471678

Luminaire Tested: 14PTR-42S-PW1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471678
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14PTR-42S-PW1-L835-UNV-STD-W
Description:	4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens White Rece Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3592.7 lumens
Efficiency:	N/A
Efficacy:	113.3 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 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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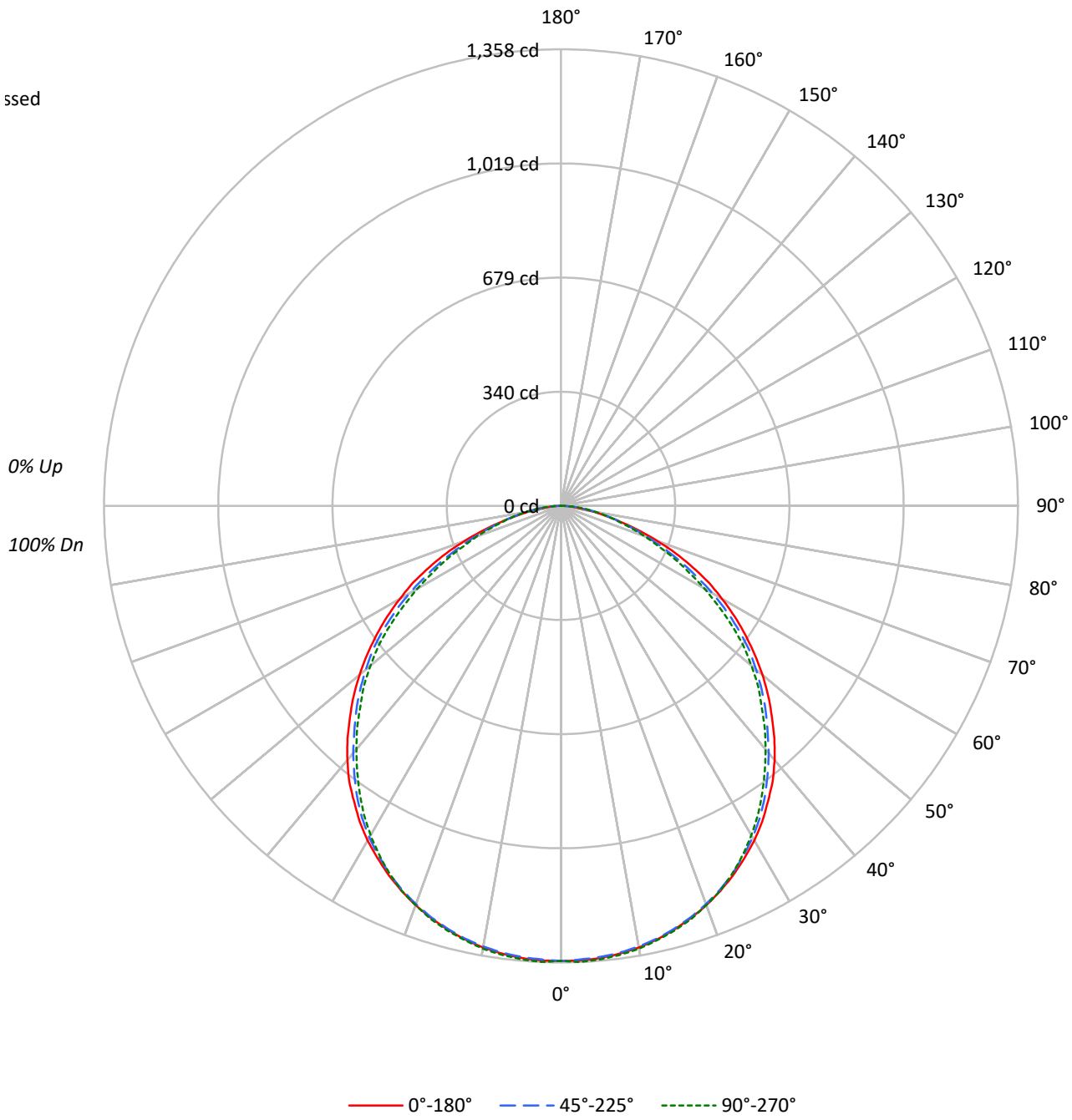
Luminous Intensity Polar Plot



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3643	3643	3643
5°	3646	3638	3657
10°	3644	3636	3654
15°	3633	3628	3641
20°	3619	3610	3619
25°	3599	3583	3581
30°	3571	3540	3515
35°	3523	3470	3426
40°	3469	3374	3321
45°	3373	3274	3207
50°	3271	3165	3091
55°	3135	3029	2908
60°	2972	2797	2651
65°	2749	2498	2374
70°	2383	2174	2092
75°	1903	1861	1810
80°	1446	1616	1616
85°	1068	1380	1380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3373 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	3.6
10°-20°	368.3	10.3
20°-30°	556.5	15.5
30°-40°	660.8	18.4
40°-50°	665.8	18.5
50°-60°	575.5	16.0
60°-70°	393.3	10.9
70°-80°	193.9	5.4
80°-90°	50.2	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°	1053.2	29.3
0°-40°	1714.0	47.7
0°-60°	2955.3	82.3
0°-90°	3592.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3592.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1354	1354	1354	1354	1354	
5°	1350	1350	1347	1352	1354	128
15°	1304	1306	1302	1307	1307	368
25°	1212	1211	1207	1208	1206	558
35°	1072	1069	1056	1047	1043	671
45°	886	877	860	850	843	684
55°	668	666	646	626	620	597
65°	432	416	392	375	373	426
75°	183	182	179	179	174	199
85°	35	41	45	46	45	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1353.8	1353.8	1353.8	1353.8	*1353.8*
2.5°	*1353.4*	*1353.8*	*1350.3*	*1356.3*	*1357.8*
5°	1349.8	1350.3	1346.9	1352.3	*1353.8*
7.5°	1343.4	1344.3	1340.3	1345.8	*1346.9*
10°	1333.7	1334.3	1330.8	1336.3	*1337.4*
12.5°	1320.8	1321.2	1318.2	1323.2	*1323.2*
15°	1304.2	1305.7	1302.2	1306.8	*1307.1*
17.5°	1285.6	1286.2	1282.7	1287.6	*1288.7*
20°	1263.6	1263.6	1260.6	1264.7	*1263.6*
22.5°	1239.0	1239.0	1235.5	1237.5	*1238.4*
25°	1212.0	1210.9	1206.9	1208.0	*1206.0*
27.5°	1180.8	1180.8	1173.7	1173.7	*1170.2*
30°	1149.3	1146.7	1139.2	1134.7	*1131.2*
32.5°	1113.0	1109.5	1100.1	1092.0	*1089.5*
35°	1072.5	1068.9	1056.3	1046.8	*1042.8*
37.5°	1033.3	1025.3	1008.7	999.3	*994.7*
40°	987.6	977.6	960.6	947.5	*945.5*
42.5°	938.6	930.5	908.5	898.8	*896.4*
45°	886.4	876.8	860.2	850.1	*842.7*
47.5°	835.2	828.1	809.1	797.1	*794.6*
50°	781.4	775.4	755.9	743.0	*738.4*
52.5°	725.8	721.8	705.2	688.7	*683.2*
55°	668.2	666.2	645.6	626.5	*619.9*
57.5°	611.5	609.0	583.3	561.2	*555.2*
60°	552.3	544.8	519.7	499.1	*492.5*
62.5°	496.2	480.1	453.0	436.9	*429.4*
65°	431.8	416.3	392.3	375.1	*372.8*
67.5°	368.8	350.2	331.6	321.0	*313.0*
70°	302.9	290.4	276.3	267.4	*265.9*
72.5°	241.7	232.8	225.7	220.2	*215.6*
75°	183.0	181.5	179.0	179.0	*174.1*
77.5°	134.5	138.0	140.0	139.4	*140.5*
80°	93.3	100.3	104.3	104.8	*104.3*
82.5°	59.2	67.3	73.8	74.7	*75.8*
85°	34.6	40.6	44.7	45.6	*44.7*
87.5°	15.5	19.5	20.6	21.5	*20.6*
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	16.2	17.8	16.5	18.1	18.4	15.6	17.2	16.0	17.5	17.8
	3H	17.6	19.1	18.0	19.4	19.8	17.0	18.4	17.3	18.7	19.1
	4H	18.1	19.4	18.5	19.8	20.2	17.4	18.8	17.8	19.1	19.5
	6H	18.3	19.6	18.8	20.0	20.3	17.8	19.1	18.2	19.4	19.8
	8H	18.4	19.6	18.8	20.0	20.4	17.9	19.1	18.3	19.5	19.9
	12H	18.4	19.6	18.9	20.0	20.4	18.0	19.1	18.4	19.5	20.0
4H	2H	16.6	18.0	17.0	18.3	18.7	16.2	17.5	16.5	17.9	18.2
	3H	18.3	19.4	18.7	19.8	20.2	17.7	18.9	18.1	19.3	19.7
	4H	18.8	19.9	19.3	20.3	20.7	18.3	19.3	18.8	19.8	20.2
	6H	19.2	20.1	19.7	20.5	21.0	18.8	19.7	19.2	20.1	20.6
	8H	19.3	20.1	19.8	20.6	21.0	19.0	19.8	19.4	20.2	20.7
	12H	19.3	20.1	19.8	20.6	21.0	19.1	19.8	19.5	20.3	20.8
8H	4H	19.0	19.9	19.5	20.3	20.8	18.6	19.4	19.0	19.8	20.3
	6H	19.5	20.2	20.0	20.7	21.1	19.1	19.8	19.6	20.3	20.8
	8H	19.6	20.2	20.1	20.7	21.2	19.4	20.0	19.9	20.5	21.0
	12H	19.7	20.3	20.2	20.8	21.3	19.5	20.1	20.0	20.6	21.1
12H	4H	19.0	19.8	19.5	20.3	20.7	18.6	19.3	19.1	19.8	20.3
	6H	19.5	20.1	20.0	20.6	21.1	19.2	19.8	19.7	20.3	20.8
	8H	19.7	20.2	20.2	20.7	21.3	19.4	20.0	20.0	20.5	21.0

(END OF REPORT)