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: P1471673

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471673
	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-B
Description:	4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3082.8 lumens
Efficiency:	N/A
Efficacy:	97.3 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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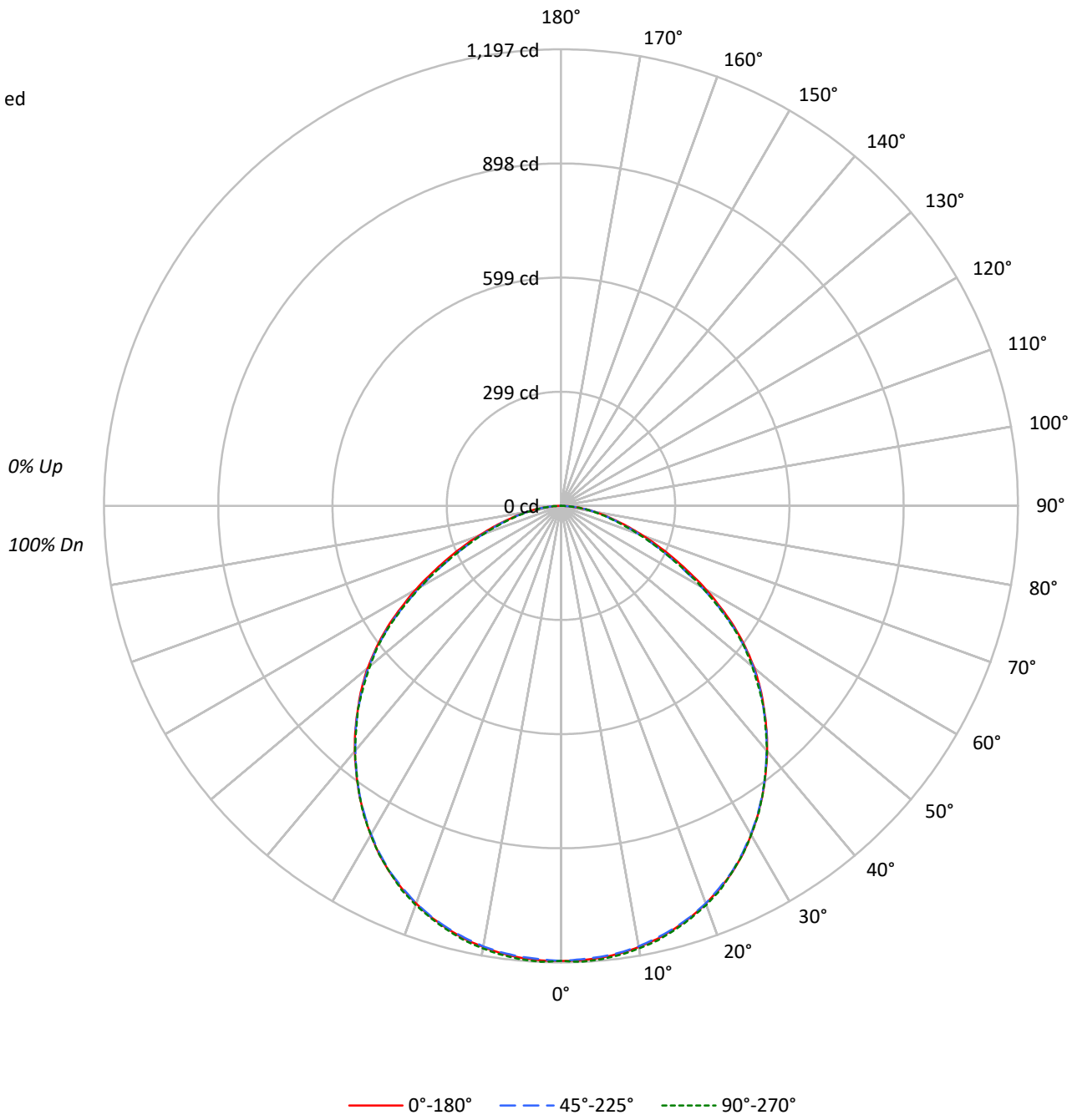
Luminous Intensity Polar Plot



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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°	3211	3211	3211
5°	3214	3206	3224
10°	3209	3204	3220
15°	3198	3192	3207
20°	3178	3175	3188
25°	3149	3144	3148
30°	3096	3090	3096
35°	3029	3025	3027
40°	2951	2942	2950
45°	2863	2854	2858
50°	2767	2754	2734
55°	2605	2574	2566
60°	2364	2284	2288
65°	2076	1972	1969
70°	1795	1714	1694
75°	1552	1495	1463
80°	1376	1356	1296
85°	1136	1176	1108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 2873 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	3.7
10°-20°	324.2	10.5
20°-30°	488.0	15.8
30°-40°	576.0	18.7
40°-50°	579.3	18.8
50°-60°	489.1	15.9
60°-70°	314.1	10.2
70°-80°	156.2	5.1
80°-90°	42.8	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°	925.3	30.0
0°-40°	1501.4	48.7
0°-60°	2569.7	83.4
0°-90°	3082.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3082.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1190	1190	1187	1193	1194	113
15°	1148	1148	1146	1151	1151	324
25°	1061	1061	1059	1061	1060	488
35°	922	922	921	922	922	576
45°	752	755	750	751	751	581
55°	555	555	549	546	547	494
65°	326	321	310	307	309	325
75°	149	149	144	142	141	162
85°	37	38	38	36	36	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1193.2	1193.2	1193.2	1193.2	*1193.2*
2.5°	*1192.7*	*1193.2*	*1190.0*	*1195.7*	*1196.6*
5°	1189.7	1190.0	1187.0	1192.7	*1193.5*
7.5°	1183.6	1184.0	1181.4	1186.5	*1187.5*
10°	1174.4	1175.8	1172.7	1177.6	*1178.4*
12.5°	1163.3	1163.7	1160.6	1166.2	*1167.2*
15°	1148.1	1148.5	1145.9	1151.1	*1151.1*
17.5°	1130.7	1131.2	1129.4	1133.8	*1133.4*
20°	1109.6	1110.9	1108.6	1111.6	*1113.4*
22.5°	1086.6	1087.1	1084.4	1088.3	*1090.1*
25°	1060.7	1061.0	1058.9	1061.0	*1060.2*
27.5°	1030.3	1031.1	1028.1	1030.3	*1030.8*
30°	996.4	998.6	994.4	996.1	*996.4*
32.5°	960.1	961.4	958.4	958.8	*961.0*
35°	922.0	922.5	920.8	921.5	*921.5*
37.5°	880.9	882.7	880.0	881.3	*879.5*
40°	840.2	838.4	837.5	838.4	*839.7*
42.5°	797.2	797.7	796.4	795.5	*793.4*
45°	752.2	754.9	750.0	751.0	*751.0*
47.5°	708.2	708.5	705.9	703.3	*701.5*
50°	660.9	660.9	657.8	655.7	*653.1*
52.5°	609.3	608.5	605.1	602.9	*604.1*
55°	555.2	554.7	548.7	546.5	*547.0*
57.5°	495.9	496.8	487.7	485.5	*485.5*
60°	439.2	434.8	424.4	421.4	*425.2*
62.5°	379.7	374.5	363.4	363.4	*366.3*
65°	326.1	321.3	309.7	306.6	*309.2*
67.5°	275.9	271.5	260.8	259.0	*259.8*
70°	228.2	224.4	217.8	213.9	*215.3*
72.5°	187.1	183.6	179.2	176.3	*174.5*
75°	149.3	148.6	143.8	142.4	*140.7*
77.5°	118.2	117.9	113.9	112.2	*110.5*
80°	88.8	88.3	87.5	84.8	*83.6*
82.5°	63.3	63.3	62.8	60.6	*59.3*
85°	36.8	38.1	38.1	35.9	*35.9*
87.5°	14.8	15.6	14.8	14.8	*14.3*
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	15.3	16.9	15.7	17.2	17.5	15.1	16.7	15.5	17.0	17.3
	3H	16.6	18.0	17.0	18.4	18.7	16.4	17.8	16.7	18.1	18.5
	4H	17.0	18.4	17.4	18.7	19.1	16.8	18.1	17.2	18.5	18.9
	6H	17.4	18.6	17.8	19.0	19.4	17.1	18.3	17.5	18.7	19.1
	8H	17.5	18.7	17.9	19.1	19.5	17.2	18.4	17.6	18.8	19.2
	12H	17.6	18.7	18.0	19.1	19.5	17.3	18.4	17.7	18.8	19.2
4H	2H	15.7	17.1	16.1	17.4	17.8	15.6	16.9	16.0	17.3	17.6
	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	19.7	17.6	18.6	18.0	19.0	19.4
	6H	18.3	19.1	18.7	19.6	20.0	18.0	18.9	18.5	19.3	19.8
	8H	18.4	19.2	18.9	19.7	20.1	18.1	19.0	18.6	19.4	19.9
	12H	18.5	19.2	19.0	19.7	20.2	18.3	19.0	18.7	19.5	19.9
8H	4H	18.0	18.8	18.5	19.3	19.7	17.8	18.6	18.2	19.0	19.5
	6H	18.6	19.2	19.0	19.7	20.2	18.3	19.0	18.8	19.5	20.0
	8H	18.8	19.4	19.3	19.9	20.4	18.5	19.1	19.0	19.6	20.1
	12H	18.9	19.5	19.5	20.0	20.5	18.7	19.2	19.2	19.7	20.3
12H	4H	18.0	18.7	18.5	19.2	19.7	17.8	18.5	18.3	19.0	19.5
	6H	18.6	19.2	19.1	19.7	20.2	18.4	19.0	18.9	19.4	20.0
	8H	18.9	19.4	19.4	19.9	20.4	18.6	19.2	19.1	19.7	20.2

(END OF REPORT)