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: P1471718

Luminaire Tested: 22PTR-35S-PL1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471718
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	22PTR-35S-PL1-L835-UNV-STD-W
Description:	3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens White Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3296.3 lumens
Efficiency:	N/A
Efficacy:	118.1 lumens/watt
Spacing Criteria (0/90/45):	1.25 / 1.26 / 1.35
Luminous Opening:	Rectangular (W 2' x L: 2' x H: 0')
CIE Type:	Direct

Input Watts (W):	27.9
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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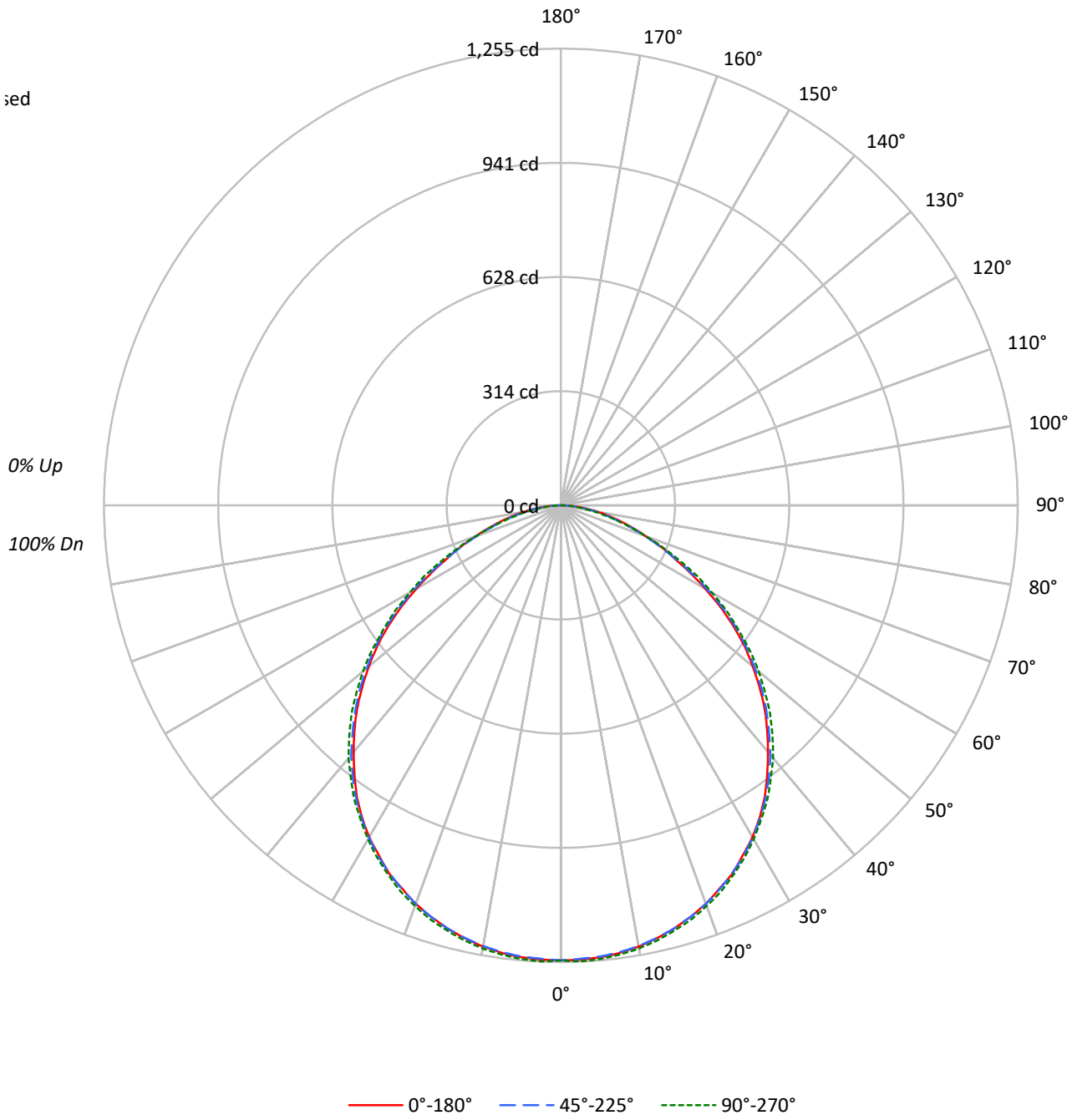
Luminous Intensity Polar Plot



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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	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3365	3365	3365
5°	3368	3361	3380
10°	3364	3360	3379
15°	3353	3352	3369
20°	3337	3337	3355
25°	3314	3309	3328
30°	3272	3277	3292
35°	3210	3222	3248
40°	3110	3146	3186
45°	3013	3038	3096
50°	2880	2912	2969
55°	2713	2756	2789
60°	2461	2513	2576
65°	2186	2209	2298
70°	1954	1914	1961
75°	1762	1661	1628
80°	1602	1488	1320
85°	1355	1232	1059

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 45°
Luminance: 3096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	3.6
10°-20°	340.2	10.3
20°-30°	514.6	15.6
30°-40°	613.4	18.6
40°-50°	616.8	18.7
50°-60°	523.5	15.9
60°-70°	348.6	10.6
70°-80°	174.0	5.3
80°-90°	46.6	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°	973.4	29.5
0°-40°	1586.8	48.1
0°-60°	2727.1	82.7
0°-90°	3296.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3296.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1250	1250	1250	1250	1250	
5°	1247	1247	1244	1250	1251	119
15°	1204	1205	1203	1208	1209	340
25°	1116	1116	1115	1120	1121	513
35°	977	978	981	988	989	610
45°	792	793	798	809	814	609
55°	578	582	588	593	594	515
65°	343	346	347	352	361	344
75°	170	167	160	156	157	182
85°	44	43	40	38	34	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1250.5	1250.5	1250.5	1250.5	*1250.5*
2.5°	*1249.5*	*1250.5*	*1247.1*	*1253.2*	*1254.7*
5°	1246.8	1247.1	1244.4	1250.0	*1251.3*
7.5°	1240.7	1241.2	1238.4	1244.4	*1245.3*
10°	1231.0	1232.0	1229.6	1235.2	*1236.5*
12.5°	1218.5	1219.9	1217.5	1223.6	*1224.6*
15°	1203.7	1205.1	1203.2	1208.2	*1209.3*
17.5°	1185.5	1186.5	1185.5	1190.2	*1192.9*
20°	1165.2	1165.2	1165.2	1169.4	*1171.7*
22.5°	1139.7	1142.1	1141.1	1146.6	*1149.0*
25°	1116.2	1116.2	1114.6	1119.9	*1120.7*
27.5°	1083.2	1086.9	1086.5	1091.1	*1092.1*
30°	1053.0	1054.0	1054.5	1057.7	*1059.6*
32.5°	1016.5	1017.3	1018.9	1023.4	*1023.9*
35°	977.1	978.1	980.8	987.7	*988.7*
37.5°	931.3	936.4	938.7	946.1	*947.0*
40°	885.4	888.6	895.6	903.4	*907.1*
42.5°	838.6	842.3	846.5	857.1	*860.4*
45°	791.8	793.1	798.3	808.9	*813.6*
47.5°	739.9	744.1	748.7	757.9	*760.8*
50°	688.0	692.6	695.5	703.7	*709.3*
52.5°	635.7	639.9	643.1	648.1	*653.7*
55°	578.3	582.3	587.5	593.1	*594.4*
57.5°	519.9	524.4	527.8	533.7	*539.7*
60°	457.2	462.5	467.0	472.6	*478.6*
62.5°	399.0	401.2	405.9	415.2	*423.9*
65°	343.3	346.1	347.0	352.2	*360.9*
67.5°	297.0	297.0	292.8	294.6	*304.4*
70°	248.3	246.5	243.3	241.4	*249.3*
72.5°	208.9	206.6	199.7	196.5	*200.7*
75°	169.5	167.2	159.8	156.1	*156.6*
77.5°	136.2	132.5	126.4	120.0	*118.7*
80°	103.4	101.9	96.0	89.9	*85.2*
82.5°	73.2	70.0	66.7	63.0	*59.3*
85°	43.9	43.1	39.9	37.5	*34.3*
87.5°	18.0	18.0	17.2	16.2	*15.3*
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	15.4	17.0	15.8	17.3	17.6	15.6	17.2	15.9	17.5	17.8
	3H	16.8	18.2	17.2	18.6	18.9	16.9	18.3	17.3	18.7	19.0
	4H	17.3	18.7	17.7	19.0	19.4	17.3	18.7	17.7	19.0	19.4
	6H	17.7	18.9	18.1	19.3	19.7	17.6	18.9	18.0	19.2	19.6
	8H	17.8	19.0	18.2	19.4	19.8	17.7	18.9	18.1	19.3	19.7
	12H	17.9	19.0	18.3	19.4	19.8	17.7	18.9	18.2	19.3	19.7
4H	2H	15.9	17.3	16.3	17.6	18.0	16.0	17.4	16.4	17.7	18.1
	3H	17.5	18.6	17.9	19.0	19.4	17.6	18.7	18.0	19.1	19.5
	4H	18.1	19.1	18.6	19.5	20.0	18.1	19.1	18.5	19.5	20.0
	6H	18.6	19.5	19.1	20.0	20.4	18.5	19.4	18.9	19.8	20.3
	8H	18.8	19.6	19.3	20.1	20.5	18.6	19.4	19.1	19.9	20.3
	12H	18.9	19.7	19.4	20.1	20.6	18.7	19.4	19.2	19.9	20.4
8H	4H	18.3	19.2	18.8	19.6	20.1	18.3	19.1	18.8	19.6	20.0
	6H	19.0	19.6	19.4	20.1	20.6	18.8	19.5	19.3	20.0	20.4
	8H	19.2	19.8	19.7	20.3	20.8	19.0	19.6	19.5	20.1	20.6
	12H	19.4	19.9	19.9	20.4	21.0	19.1	19.7	19.6	20.1	20.7
12H	4H	18.3	19.1	18.8	19.6	20.0	18.3	19.1	18.8	19.5	20.0
	6H	19.0	19.6	19.5	20.1	20.6	18.8	19.5	19.4	19.9	20.5
	8H	19.3	19.8	19.8	20.3	20.9	19.1	19.6	19.6	20.1	20.7

(END OF REPORT)