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: P1471712

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471712
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	22PTR-35S-L835-UNV-STD-W
Description:	3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens White Recessed Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3425.7 lumens
Efficiency:	N/A
Efficacy:	122.8 lumens/watt
Spacing Criteria (0/90/45):	1.27 / 1.21 / 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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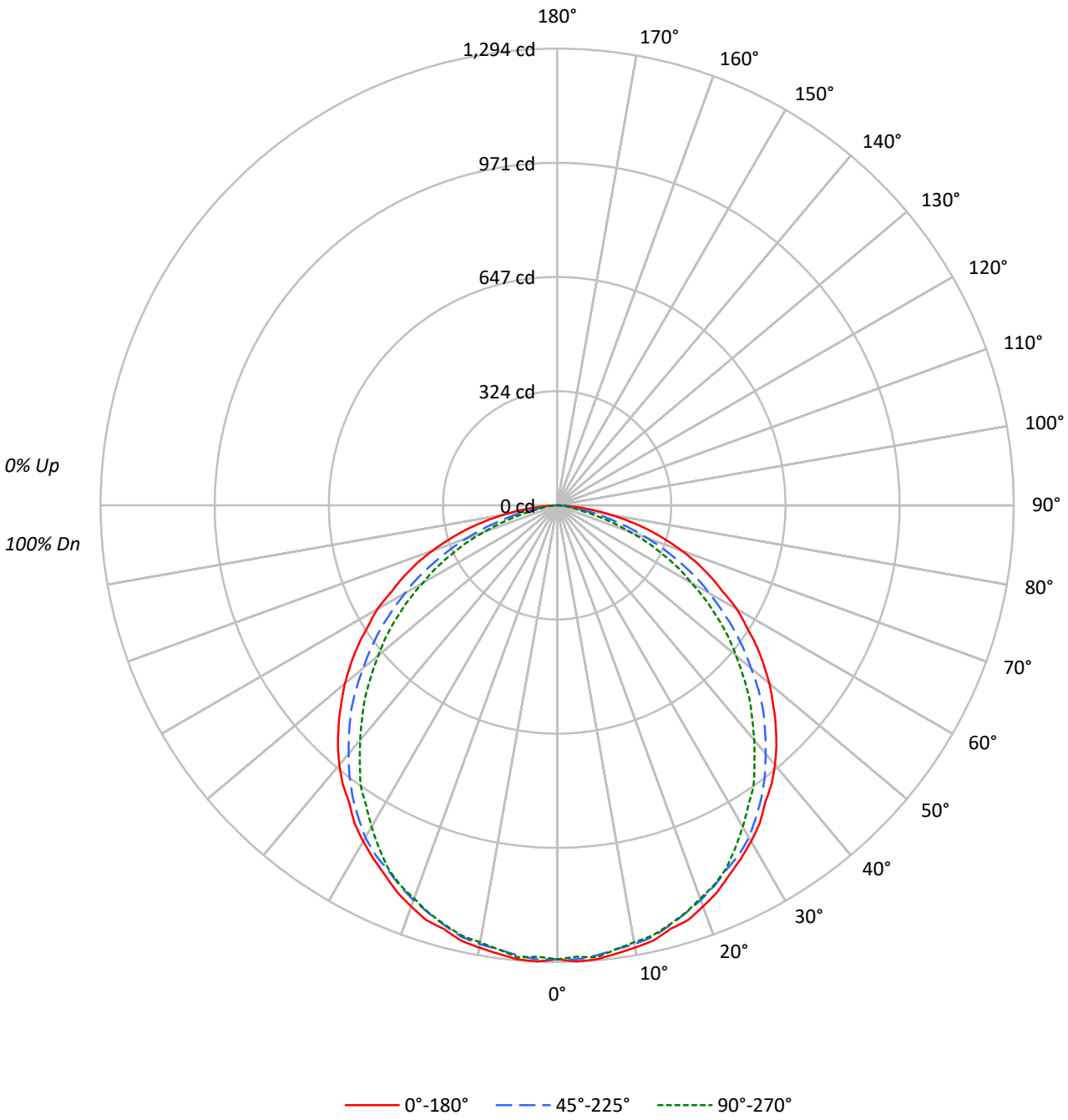
Luminous Intensity Polar Plot



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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	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3461	3461	3461
5°	3487	3458	3472
10°	3477	3449	3435
15°	3461	3434	3427
20°	3464	3409	3395
25°	3430	3380	3368
30°	3416	3377	3268
35°	3377	3317	3188
40°	3374	3229	3051
45°	3332	3145	2930
50°	3287	3005	2771
55°	3224	2864	2602
60°	3166	2680	2362
65°	3058	2458	2112
70°	2959	2139	1724
75°	2779	1688	1186
80°	2410	1021	713
85°	1609	732	685

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3332 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	3.6
10°-20°	348.8	10.2
20°-30°	526.9	15.4
30°-40°	626.5	18.3
40°-50°	635.4	18.5
50°-60°	551.8	16.1
60°-70°	391.7	11.4
70°-80°	187.2	5.5
80°-90°	35.5	1.0
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°	997.7	29.1
0°-40°	1624.2	47.4
0°-60°	2811.4	82.1
0°-90°	3425.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3425.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1286	1286	1286	1286	1286	
5°	1291	1286	1280	1283	1285	123
15°	1242	1246	1232	1231	1230	352
25°	1155	1154	1138	1143	1134	533
35°	1028	1026	1010	975	970	646
45°	876	868	826	783	770	675
55°	687	666	610	574	555	614
65°	480	444	386	345	332	476
75°	267	218	162	129	114	280
85°	52	28	24	23	22	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1286.1*	1286.1	1286.1	1286.1	1286.1
2.5°	*1293.7*	*1289.1*	*1287.6*	*1293.0*	*1280.0*
5°	*1290.7*	1286.1	1280.0	1283.0	1285.3
7.5°	*1281.5*	1277.7	1269.2	1276.1	1269.2
10°	*1272.3*	1268.5	1262.3	1264.6	1257.0
12.5°	*1263.1*	1253.9	1252.4	1253.9	1248.6
15°	*1242.4*	1245.5	1232.5	1230.9	1230.2
17.5°	*1232.5*	1224.8	1211.0	1211.8	1210.3
20°	*1209.5*	1200.3	1190.3	1188.8	1185.7
22.5°	*1185.7*	1175.0	1165.8	1170.4	1163.5
25°	*1155.1*	1153.6	1138.2	1142.8	1134.4
27.5°	*1128.3*	1122.9	1116.0	1106.1	1093.8
30°	*1099.2*	1093.8	1086.9	1060.9	1051.7
32.5°	*1068.5*	1062.4	1048.6	1018.0	1008.0
35°	*1027.9*	1026.4	1009.6	975.1	970.5
37.5°	*997.3*	980.5	966.7	931.4	918.4
40°	*960.5*	951.3	919.2	885.5	868.6
42.5°	*919.9*	909.2	872.5	836.5	818.1
45°	*875.5*	867.9	826.5	782.8	769.8
47.5°	*829.6*	822.7	773.6	731.5	714.7
50°	*785.1*	776.7	717.7	677.1	661.8
52.5°	*736.9*	723.1	664.9	625.0	610.5
55°	*687.1*	666.4	610.5	574.5	554.6
57.5°	*634.2*	615.1	553.0	515.5	499.4
60°	*588.3*	561.5	497.9	459.6	438.9
62.5°	*529.3*	506.3	445.8	400.6	390.7
65°	*480.3*	444.3	386.1	344.7	331.7
67.5°	*430.5*	388.4	329.4	287.2	280.3
70°	*376.1*	332.4	271.9	230.6	219.1
72.5°	*320.9*	278.1	219.1	175.4	168.5
75°	*267.3*	218.3	162.4	128.7	114.1
77.5°	*209.1*	164.7	114.1	78.9	69.7
80°	*155.5*	111.1	65.9	46.7	46.0
82.5°	*101.9*	64.3	35.2	36.0	34.5
85°	*52.1*	27.6	23.7	23.0	22.2
87.5°	*10.0*	10.7	11.5	11.5	11.5
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	16.5	18.1	16.8	18.4	18.7	15.1	16.7	15.5	17.0	17.4
	3H	18.3	19.7	18.7	20.1	20.4	16.4	17.9	16.8	18.2	18.5
	4H	19.0	20.3	19.4	20.7	21.1	16.7	18.1	17.1	18.4	18.8
	6H	19.5	20.7	19.9	21.1	21.5	16.8	18.0	17.2	18.4	18.8
	8H	19.6	20.8	20.0	21.2	21.6	16.8	18.0	17.2	18.4	18.8
	12H	19.7	20.8	20.1	21.2	21.6	16.8	17.9	17.2	18.3	18.7
4H	2H	16.9	18.2	17.3	18.6	19.0	15.8	17.2	16.2	17.5	17.9
	3H	18.9	20.0	19.3	20.4	20.8	17.2	18.4	17.7	18.8	19.2
	4H	19.7	20.7	20.1	21.1	21.6	17.6	18.6	18.0	19.0	19.5
	6H	20.3	21.2	20.7	21.6	22.1	17.7	18.6	18.2	19.0	19.5
	8H	20.4	21.3	20.9	21.7	22.2	17.7	18.6	18.2	19.0	19.5
	12H	20.5	21.3	21.0	21.8	22.2	17.8	18.5	18.2	19.0	19.5
8H	4H	19.8	20.6	20.2	21.1	21.5	17.9	18.7	18.3	19.1	19.6
	6H	20.4	21.1	20.9	21.6	22.1	18.0	18.7	18.5	19.2	19.7
	8H	20.6	21.2	21.1	21.7	22.2	18.1	18.7	18.6	19.2	19.7
	12H	20.8	21.3	21.3	21.8	22.3	18.1	18.7	18.6	19.1	19.7
12H	4H	19.8	20.5	20.2	21.0	21.5	17.9	18.6	18.4	19.1	19.6
	6H	20.4	21.0	20.9	21.5	22.0	18.1	18.7	18.6	19.1	19.7
	8H	20.6	21.2	21.1	21.7	22.2	18.1	18.7	18.6	19.1	19.7

(END OF REPORT)