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: P1471785

Luminaire Tested: 24PTR-35S-PP3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471785
	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:	24PTR-35S-PP3-L835-UNV-STD-B
Description:	3500 LUMEN 2X4 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:	2949.6 lumens
Efficiency:	N/A
Efficacy:	103.9 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 1.24 / 1.34
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	28.4
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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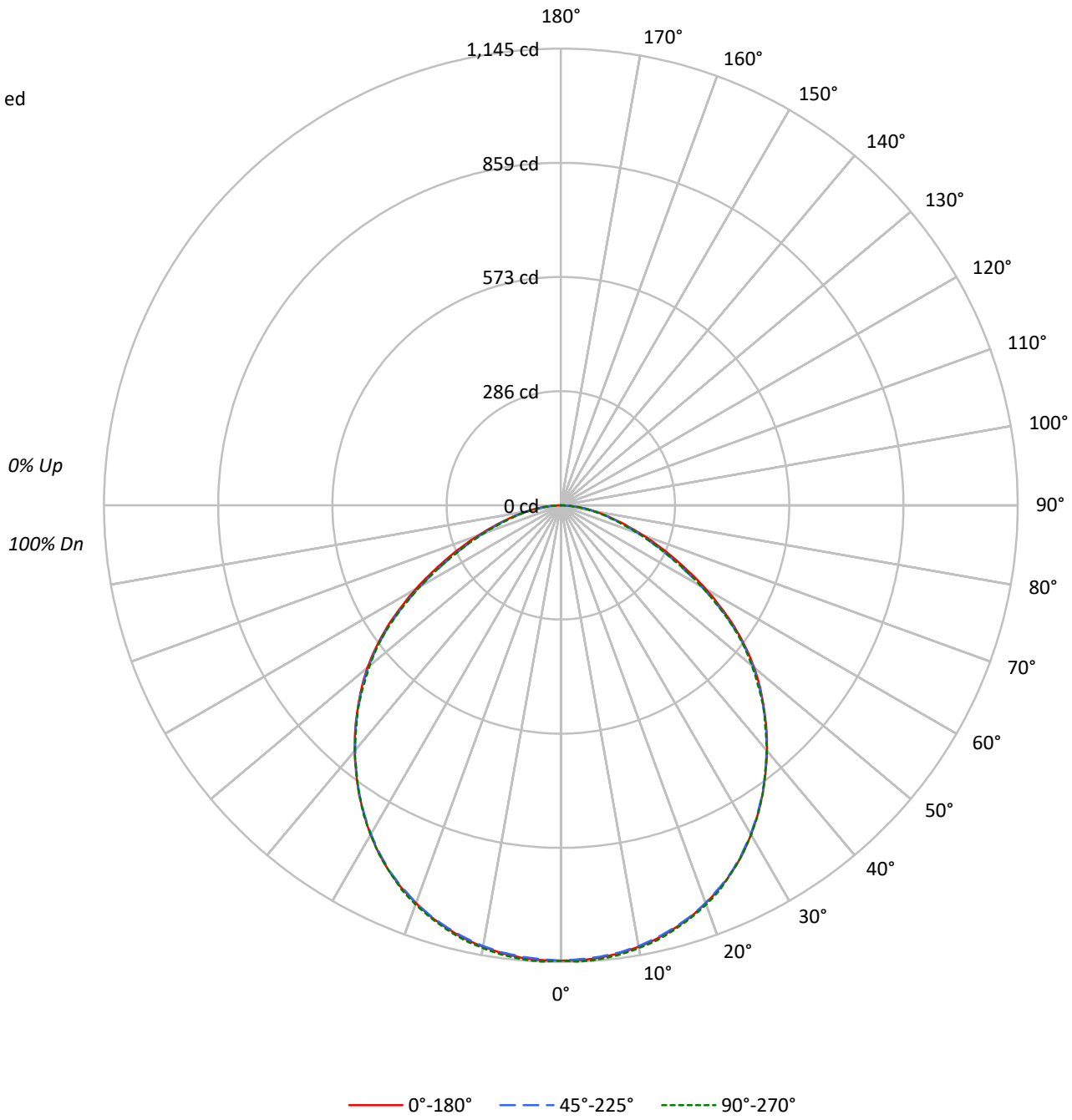
Luminous Intensity Polar Plot



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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°	1536	1536	1536
5°	1537	1534	1542
10°	1535	1533	1540
15°	1530	1527	1534
20°	1520	1519	1525
25°	1507	1504	1506
30°	1481	1478	1481
35°	1449	1447	1448
40°	1412	1407	1411
45°	1369	1365	1367
50°	1324	1317	1308
55°	1246	1232	1228
60°	1131	1093	1095
65°	993	943	942
70°	859	820	810
75°	743	715	700
80°	658	649	620
85°	543	562	530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1374 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	3.7
10°-20°	310.2	10.5
20°-30°	467.0	15.8
30°-40°	551.1	18.7
40°-50°	554.3	18.8
50°-60°	467.9	15.9
60°-70°	300.5	10.2
70°-80°	149.5	5.1
80°-90°	41.0	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°	885.4	30.0
0°-40°	1436.5	48.7
0°-60°	2458.7	83.4
0°-90°	2949.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2949.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1142	1142	1142	1142	1142	
5°	1138	1139	1136	1141	1142	108
15°	1098	1099	1096	1101	1101	310
25°	1015	1015	1013	1015	1014	467
35°	882	883	881	882	882	551
45°	720	722	718	718	718	555
55°	531	531	525	523	523	473
65°	312	308	296	293	296	311
75°	143	142	138	136	135	155
85°	35	36	36	34	34	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1141.6	1141.6	1141.6	1141.6	*1141.6*
2.5°	*1141.1*	*1141.6*	*1138.6*	*1144.0*	*1144.9*
5°	1138.3	1138.6	1135.7	1141.1	*1141.9*
7.5°	1132.4	1132.9	1130.3	1135.3	*1136.2*
10°	1123.7	1125.0	1122.0	1126.7	*1127.4*
12.5°	1113.0	1113.4	1110.4	1115.8	*1116.8*
15°	1098.5	1098.8	1096.4	1101.4	*1101.4*
17.5°	1081.8	1082.3	1080.6	1084.8	*1084.4*
20°	1061.6	1062.9	1060.7	1063.6	*1065.3*
22.5°	1039.7	1040.1	1037.6	1041.3	*1043.0*
25°	1014.8	1015.1	1013.2	1015.1	*1014.4*
27.5°	985.8	986.5	983.7	985.8	*986.2*
30°	953.4	955.5	951.4	953.1	*953.4*
32.5°	918.6	919.8	917.0	917.4	*919.5*
35°	882.2	882.6	881.0	881.7	*881.7*
37.5°	842.9	844.5	842.0	843.2	*841.5*
40°	803.9	802.2	801.3	802.2	*803.4*
42.5°	762.8	763.2	762.0	761.1	*759.2*
45°	719.7	722.3	717.6	718.5	*718.5*
47.5°	677.6	677.9	675.4	672.9	*671.2*
50°	632.4	632.4	629.4	627.4	*624.9*
52.5°	583.0	582.2	578.9	576.8	*578.0*
55°	531.2	530.7	525.0	522.9	*523.4*
57.5°	474.4	475.3	466.6	464.5	*464.5*
60°	420.2	416.0	406.1	403.2	*406.8*
62.5°	363.3	358.3	347.7	347.7	*350.5*
65°	312.0	307.5	296.3	293.3	*295.9*
67.5°	263.9	259.7	249.5	247.8	*248.6*
70°	218.3	214.7	208.4	204.6	*206.0*
72.5°	179.0	175.7	171.5	168.6	*167.0*
75°	142.9	142.1	137.6	136.3	*134.6*
77.5°	113.1	112.8	109.0	107.4	*105.7*
80°	84.9	84.5	83.7	81.2	*80.0*
82.5°	60.5	60.5	60.1	58.0	*56.8*
85°	35.2	36.4	36.4	34.3	*34.3*
87.5°	14.2	14.9	14.2	14.2	*13.7*
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	12.7	14.3	13.1	14.6	14.9	12.6	14.2	12.9	14.5	14.8
	3H	14.0	15.5	14.4	15.8	16.2	13.8	15.2	14.2	15.6	15.9
	4H	14.5	15.8	14.9	16.2	16.5	14.2	15.6	14.6	15.9	16.3
	6H	14.8	16.1	15.2	16.4	16.8	14.5	15.8	15.0	16.2	16.5
	8H	14.9	16.1	15.4	16.5	16.9	14.7	15.8	15.1	16.2	16.6
	12H	15.0	16.1	15.4	16.5	16.9	14.7	15.8	15.1	16.2	16.7
4H	2H	13.2	14.5	13.6	14.8	15.2	13.0	14.4	13.4	14.7	15.1
	3H	14.7	15.8	15.1	16.2	16.6	14.5	15.6	14.9	16.0	16.4
	4H	15.2	16.2	15.7	16.7	17.1	15.0	16.0	15.4	16.4	16.9
	6H	15.7	16.6	16.1	17.0	17.5	15.4	16.3	15.9	16.8	17.2
	8H	15.8	16.7	16.3	17.1	17.6	15.6	16.4	16.0	16.8	17.3
	12H	15.9	16.7	16.4	17.2	17.6	15.7	16.4	16.2	16.9	17.4
8H	4H	15.4	16.2	15.9	16.7	17.2	15.2	16.0	15.7	16.5	17.0
	6H	16.0	16.7	16.5	17.2	17.6	15.8	16.4	16.3	16.9	17.4
	8H	16.2	16.8	16.7	17.3	17.8	16.0	16.6	16.5	17.1	17.6
	12H	16.4	16.9	16.9	17.4	18.0	16.1	16.7	16.6	17.2	17.7
12H	4H	15.4	16.2	15.9	16.7	17.1	15.2	16.0	15.7	16.5	16.9
	6H	16.0	16.6	16.6	17.1	17.6	15.8	16.4	16.3	16.9	17.4
	8H	16.3	16.8	16.8	17.3	17.9	16.1	16.6	16.6	17.1	17.7

(END OF REPORT)