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: P1471774

Luminaire Tested: 24PTR-30S-PW1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471774
	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:	24PTR-30S-PW1-L835-UNV-STD-W
Description:	3000 LUMEN 2X4 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:	2879.8 lumens
Efficiency:	N/A
Efficacy:	121.5 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.24 / 1.34
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	23.7
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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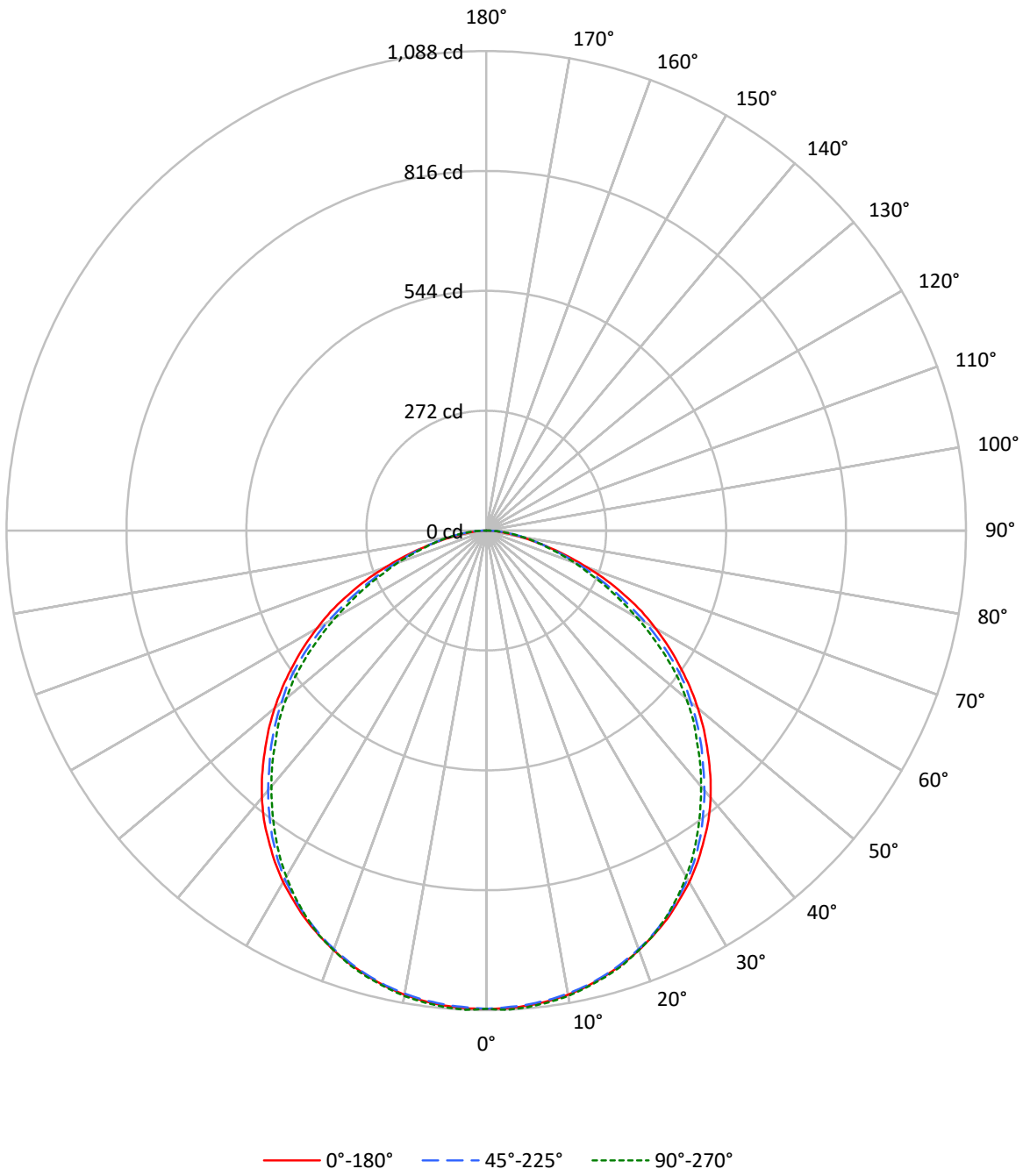
Luminous Intensity Polar Plot

ssed

0% Up

100% Dn



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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°	1460	1460	1460
5°	1461	1458	1466
10°	1461	1458	1465
15°	1456	1454	1460
20°	1450	1447	1450
25°	1442	1436	1435
30°	1431	1419	1409
35°	1412	1391	1373
40°	1390	1352	1331
45°	1352	1312	1285
50°	1311	1268	1239
55°	1256	1214	1166
60°	1191	1121	1062
65°	1102	1001	951
70°	955	871	839
75°	763	746	725
80°	580	648	648
85°	429	553	553

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1352 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	3.6
10°-20°	295.2	10.2
20°-30°	446.1	15.5
30°-40°	529.7	18.4
40°-50°	533.7	18.5
50°-60°	461.3	16.0
60°-70°	315.3	10.9
70°-80°	155.5	5.4
80°-90°	40.2	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°	844.2	29.3
0°-40°	1373.9	47.7
0°-60°	2368.9	82.3
0°-90°	2879.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2879.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1085	1085	1085	1085	1085	
5°	1082	1082	1080	1084	1085	103
15°	1045	1047	1044	1048	1048	295
25°	972	971	967	968	967	448
35°	860	857	847	839	836	538
45°	710	703	690	682	676	548
55°	536	534	518	502	497	479
65°	346	334	314	301	299	342
75°	147	146	144	144	140	160
85°	28	33	36	36	36	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1085.2	1085.2	1085.2	1085.2	*1085.2*
2.5°	*1084.9*	*1085.2*	*1082.4*	*1087.2*	*1088.4*
5°	1082.0	1082.4	1079.6	1084.0	*1085.2*
7.5°	1076.8	1077.6	1074.4	1078.7	*1079.6*
10°	1069.1	1069.5	1066.8	1071.1	*1072.0*
12.5°	1058.7	1059.0	1056.7	1060.6	*1060.6*
15°	1045.4	1046.6	1043.8	1047.5	*1047.8*
17.5°	1030.5	1031.0	1028.2	1032.1	*1033.0*
20°	1012.8	1012.8	1010.5	1013.7	*1012.8*
22.5°	993.1	993.1	990.3	992.0	*992.7*
25°	971.5	970.6	967.4	968.3	*966.7*
27.5°	946.5	946.5	940.8	940.8	*938.0*
30°	921.2	919.2	913.2	909.5	*906.8*
32.5°	892.2	889.4	881.8	875.4	*873.3*
35°	859.7	856.8	846.7	839.1	*835.9*
37.5°	828.3	821.9	808.6	801.0	*797.3*
40°	791.6	783.6	770.0	759.5	*757.9*
42.5°	752.3	745.9	728.2	720.5	*718.6*
45°	710.5	702.8	689.5	681.5	*675.5*
47.5°	669.5	663.8	648.6	638.9	*636.9*
50°	626.4	621.6	605.9	595.6	*591.9*
52.5°	581.8	578.6	565.3	552.0	*547.6*
55°	535.6	534.0	517.5	502.2	*496.9*
57.5°	490.2	488.2	467.6	449.9	*445.1*
60°	442.7	436.7	416.6	400.1	*394.8*
62.5°	397.7	384.9	363.1	350.2	*344.2*
65°	346.1	333.7	314.4	300.7	*298.8*
67.5°	295.6	280.7	265.8	257.3	*250.9*
70°	242.8	232.8	221.5	214.3	*213.2*
72.5°	193.7	186.6	180.9	176.5	*172.9*
75°	146.7	145.5	143.5	143.5	*139.5*
77.5°	107.8	110.6	112.2	111.8	*112.7*
80°	74.8	80.4	83.6	84.0	*83.6*
82.5°	47.5	53.9	59.2	59.9	*60.8*
85°	27.8	32.6	35.8	36.5	*35.8*
87.5°	12.4	15.6	16.5	17.2	*16.5*
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	13.0	14.6	13.4	14.9	15.2	12.4	14.0	12.8	14.3	14.6
	3H	14.5	15.9	14.8	16.2	16.6	13.8	15.2	14.2	15.6	15.9
	4H	14.9	16.3	15.3	16.6	17.0	14.3	15.6	14.7	16.0	16.3
	6H	15.2	16.4	15.6	16.8	17.2	14.6	15.9	15.0	16.2	16.6
	8H	15.2	16.4	15.6	16.8	17.2	14.7	15.9	15.2	16.3	16.7
	12H	15.3	16.4	15.7	16.8	17.2	14.8	16.0	15.3	16.3	16.8
4H	2H	13.5	14.8	13.9	15.2	15.5	13.0	14.3	13.4	14.7	15.1
	3H	15.1	16.2	15.5	16.6	17.0	14.6	15.7	15.0	16.1	16.5
	4H	15.7	16.7	16.1	17.1	17.5	15.1	16.2	15.6	16.6	17.0
	6H	16.0	16.9	16.5	17.3	17.8	15.6	16.5	16.1	16.9	17.4
	8H	16.1	16.9	16.6	17.4	17.8	15.8	16.6	16.2	17.0	17.5
	12H	16.2	16.9	16.7	17.4	17.9	15.9	16.6	16.4	17.1	17.6
8H	4H	15.8	16.7	16.3	17.1	17.6	15.4	16.2	15.8	16.7	17.1
	6H	16.3	17.0	16.8	17.5	18.0	16.0	16.6	16.5	17.1	17.6
	8H	16.4	17.1	17.0	17.6	18.1	16.2	16.8	16.7	17.3	17.8
	12H	16.6	17.1	17.1	17.6	18.2	16.4	16.9	16.9	17.4	18.0
12H	4H	15.9	16.6	16.3	17.1	17.5	15.4	16.1	15.9	16.6	17.1
	6H	16.3	17.0	16.9	17.4	18.0	16.0	16.6	16.5	17.1	17.6
	8H	16.5	17.1	17.0	17.6	18.1	16.3	16.8	16.8	17.3	17.9

(END OF REPORT)