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: P1471773

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471773
	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-B
Description:	3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens Black Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2485.8 lumens
Efficiency:	N/A
Efficacy:	104.9 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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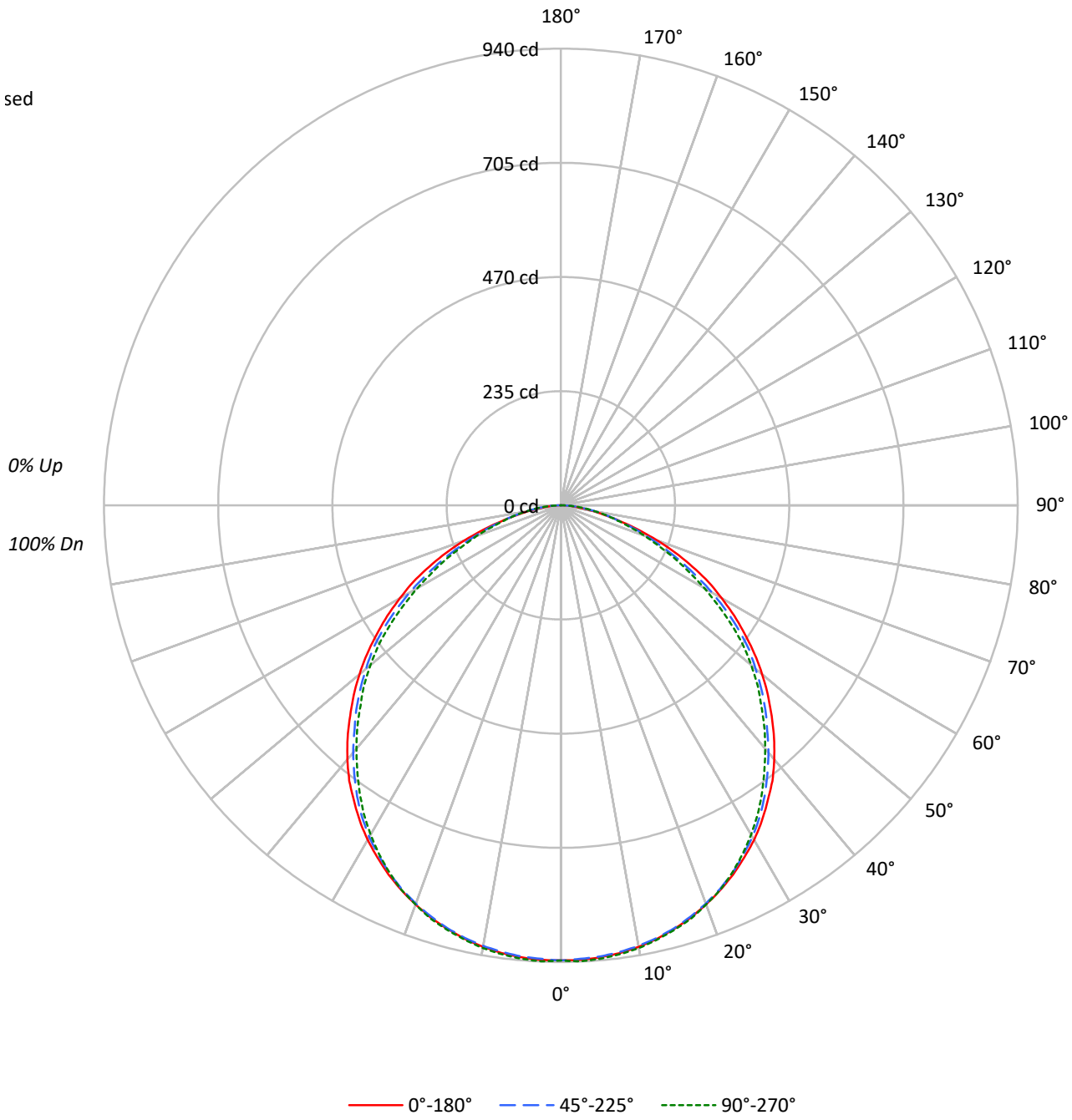
Luminous Intensity Polar Plot



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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°	1260	1260	1260
5°	1261	1259	1265
10°	1261	1258	1264
15°	1257	1255	1260
20°	1252	1249	1252
25°	1245	1240	1239
30°	1235	1225	1216
35°	1219	1201	1185
40°	1200	1167	1149
45°	1167	1133	1109
50°	1132	1095	1069
55°	1084	1048	1006
60°	1028	968	917
65°	951	864	821
70°	825	752	724
75°	658	644	626
80°	501	559	559
85°	371	477	477

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1167 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	3.6
10°-20°	254.8	10.2
20°-30°	385.1	15.5
30°-40°	457.2	18.4
40°-50°	460.6	18.5
50°-60°	398.2	16.0
60°-70°	272.1	10.9
70°-80°	134.2	5.4
80°-90°	34.7	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°	728.7	29.3
0°-40°	1185.9	47.7
0°-60°	2044.7	82.3
0°-90°	2485.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2485.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	937	937	937	937	937	
5°	934	934	932	936	937	89
15°	902	903	901	904	904	255
25°	839	838	835	836	834	386
35°	742	740	731	724	722	465
45°	613	607	595	588	583	473
55°	462	461	447	434	429	413
65°	299	288	271	260	258	295
75°	127	126	124	124	120	138
85°	24	28	31	32	31	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	936.7	936.7	936.7	936.7	*936.7*
2.5°	*936.4*	*936.7*	*934.3*	*938.4*	*939.5*
5°	933.9	934.3	931.9	935.7	*936.7*
7.5°	929.5	930.1	927.3	931.1	*931.9*
10°	922.8	923.2	920.8	924.6	*925.3*
12.5°	913.9	914.1	912.1	915.5	*915.5*
15°	902.4	903.4	901.0	904.1	*904.4*
17.5°	889.5	889.9	887.5	890.9	*891.7*
20°	874.2	874.2	872.2	875.0	*874.2*
22.5°	857.2	857.2	854.8	856.2	*856.8*
25°	838.6	837.8	835.0	835.8	*834.4*
27.5°	817.0	817.0	812.1	812.1	*809.7*
30°	795.2	793.4	788.2	785.1	*782.7*
32.5°	770.1	767.7	761.1	755.6	*753.8*
35°	742.1	739.6	730.9	724.3	*721.5*
37.5°	715.0	709.4	697.9	691.4	*688.2*
40°	683.3	676.4	664.6	655.6	*654.2*
42.5°	649.4	643.8	628.6	621.9	*620.2*
45°	613.3	606.6	595.2	588.2	*583.0*
47.5°	577.9	573.0	559.8	551.5	*549.7*
50°	540.7	536.5	523.0	514.1	*510.9*
52.5°	502.2	499.4	488.0	476.5	*472.7*
55°	462.3	461.0	446.7	433.5	*428.9*
57.5°	423.1	421.4	403.6	388.3	*384.2*
60°	382.1	377.0	359.6	345.3	*340.8*
62.5°	343.3	332.2	313.4	302.3	*297.1*
65°	298.8	288.1	271.4	259.6	*257.9*
67.5°	255.1	242.3	229.4	222.1	*216.5*
70°	209.6	200.9	191.2	185.0	*184.0*
72.5°	167.2	161.1	156.1	152.4	*149.2*
75°	126.6	125.6	123.8	123.8	*120.4*
77.5°	93.1	95.5	96.9	96.5	*97.2*
80°	64.6	69.4	72.1	72.5	*72.1*
82.5°	41.0	46.5	51.1	51.7	*52.5*
85°	24.0	28.1	30.9	31.5	*30.9*
87.5°	10.7	13.5	14.3	14.9	*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	12.5	14.1	12.9	14.4	14.7	11.9	13.5	12.3	13.8	14.1
	3H	14.0	15.4	14.3	15.7	16.1	13.3	14.7	13.7	15.0	15.4
	4H	14.4	15.7	14.8	16.1	16.5	13.8	15.1	14.2	15.5	15.8
	6H	14.7	15.9	15.1	16.3	16.7	14.1	15.4	14.5	15.7	16.1
	8H	14.7	15.9	15.1	16.3	16.7	14.2	15.4	14.7	15.8	16.2
	12H	14.7	15.9	15.2	16.3	16.7	14.3	15.5	14.7	15.8	16.3
4H	2H	12.9	14.3	13.3	14.6	15.0	12.5	13.8	12.9	14.2	14.5
	3H	14.6	15.7	15.0	16.1	16.5	14.0	15.2	14.5	15.6	16.0
	4H	15.1	16.2	15.6	16.6	17.0	14.6	15.7	15.1	16.1	16.5
	6H	15.5	16.4	16.0	16.8	17.3	15.1	16.0	15.6	16.4	16.9
	8H	15.6	16.4	16.1	16.9	17.3	15.3	16.1	15.7	16.5	17.0
	12H	15.7	16.4	16.1	16.9	17.3	15.4	16.1	15.9	16.6	17.1
8H	4H	15.3	16.2	15.8	16.6	17.1	14.9	15.7	15.3	16.1	16.6
	6H	15.8	16.5	16.3	17.0	17.4	15.4	16.1	15.9	16.6	17.1
	8H	15.9	16.5	16.4	17.1	17.5	15.7	16.3	16.2	16.8	17.3
	12H	16.0	16.6	16.6	17.1	17.6	15.9	16.4	16.4	16.9	17.5
12H	4H	15.3	16.1	15.8	16.6	17.0	14.9	15.6	15.4	16.1	16.6
	6H	15.8	16.4	16.3	16.9	17.4	15.5	16.1	16.0	16.6	17.1
	8H	16.0	16.6	16.5	17.0	17.6	15.8	16.3	16.3	16.8	17.4

(END OF REPORT)