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: P1471666

Luminaire Tested: 14PTR-42S-PB1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471666
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14PTR-42S-PB1-L835-UNV-STD-W
Description:	4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3522.2 lumens
Efficiency:	N/A
Efficacy:	111.1 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.25 / 1.34
Luminous Opening:	Rectangular (W 1' x L: 4' x H: 0')
CIE Type:	Direct

Input Watts (W):	31.7
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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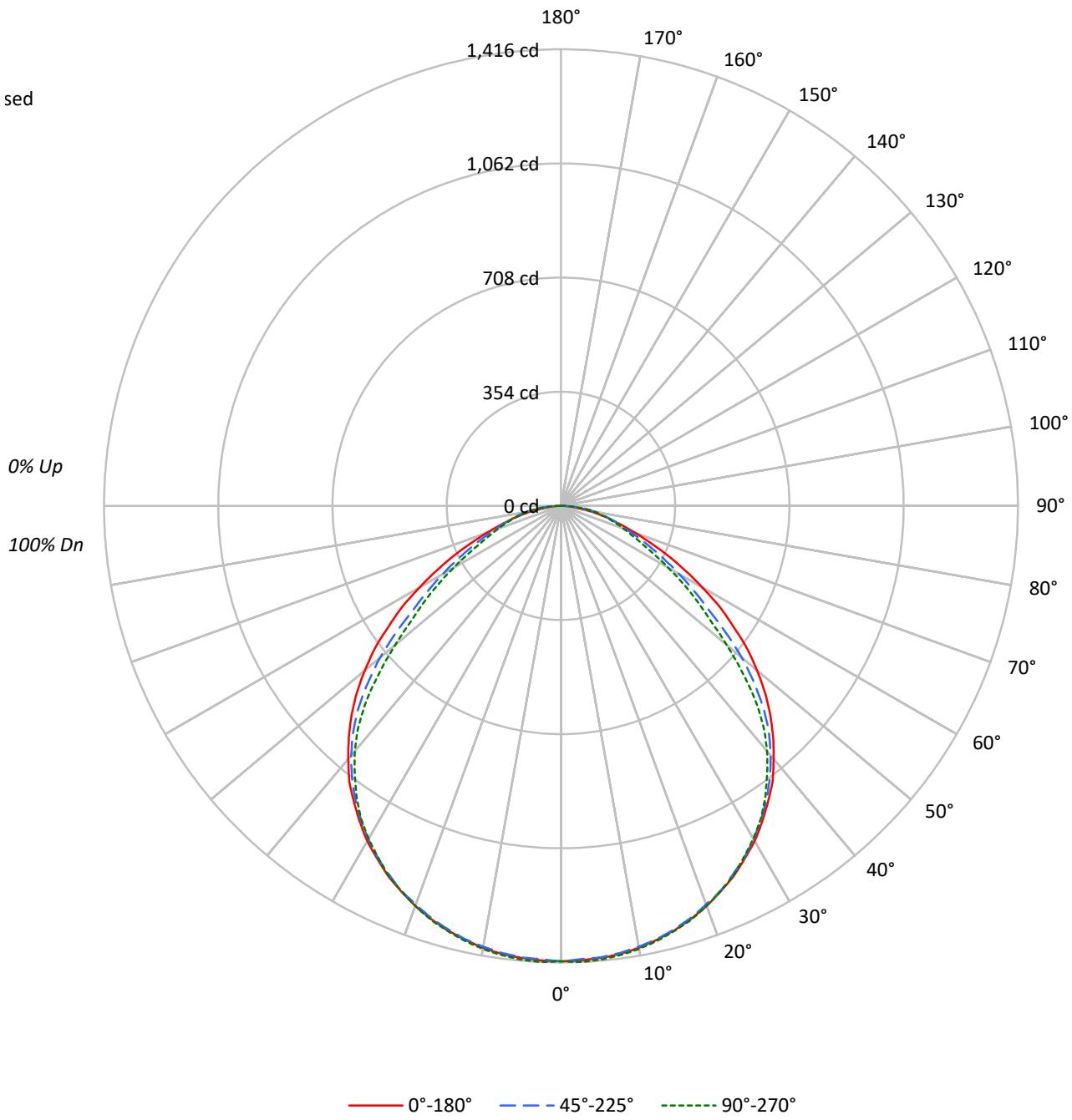
Luminous Intensity Polar Plot



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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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3801	3801	3801
5°	3801	3797	3816
10°	3803	3794	3812
15°	3795	3785	3799
20°	3781	3767	3781
25°	3761	3745	3755
30°	3731	3709	3703
35°	3676	3647	3625
40°	3601	3553	3491
45°	3491	3379	3240
50°	3317	3062	2800
55°	3057	2601	2412
60°	2721	2273	2067
65°	2334	1970	1759
70°	1928	1736	1613
75°	1625	1661	1572
80°	1373	1695	1616
85°	1074	1717	1504

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3491 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.9	3.8
10°-20°	384.3	10.9
20°-30°	582.1	16.5
30°-40°	693.7	19.7
40°-50°	678.3	19.3
50°-60°	513.1	14.6
60°-70°	315.2	8.9
70°-80°	167.9	4.8
80°-90°	53.6	1.5
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°	1100.4	31.2
0°-40°	1794.1	50.9
0°-60°	2985.5	84.8
0°-90°	3522.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3522.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1412	1412	1412	1412	1412	
5°	1407	1409	1406	1411	1412	134
15°	1362	1364	1359	1364	1364	384
25°	1267	1265	1261	1263	1265	583
35°	1119	1117	1110	1105	1103	700
45°	917	912	888	858	851	706
55°	652	618	554	523	514	583
65°	367	337	309	285	276	365
75°	156	158	160	155	151	168
85°	35	45	56	52	49	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1412.5	1412.5	1412.5	1412.5	*1412.5*
2.5°	*1410.9*	*1412.5*	*1407.3*	*1414.4*	*1416.0*
5°	1407.3	1409.1	1405.6	1410.9	*1412.5*
7.5°	1402.1	1402.1	1398.7	1403.8	*1405.6*
10°	1391.7	1391.7	1388.3	1393.4	*1395.2*
12.5°	1377.9	1377.9	1376.1	1379.5	*1381.4*
15°	1362.2	1363.8	1358.7	1363.8	*1363.8*
17.5°	1343.0	1341.4	1339.6	1343.0	*1344.9*
20°	1320.4	1320.4	1315.3	1318.8	*1320.4*
22.5°	1294.3	1294.3	1292.7	1294.3	*1292.7*
25°	1266.6	1264.8	1261.3	1263.2	*1264.8*
27.5°	1233.6	1233.6	1230.1	1230.1	*1228.3*
30°	1200.6	1198.8	1193.7	1190.2	*1191.8*
32.5°	1160.6	1158.8	1153.7	1150.2	*1151.9*
35°	1118.9	1117.2	1110.3	1105.0	*1103.4*
37.5°	1077.3	1072.0	1063.2	1056.3	*1049.4*
40°	1025.1	1019.8	1011.3	995.6	*993.7*
42.5°	972.9	967.8	953.8	934.8	*929.5*
45°	917.3	912.2	887.8	858.2	*851.3*
47.5°	858.2	849.6	811.3	774.9	*761.0*
50°	792.4	776.7	731.4	684.6	*668.9*
52.5°	728.0	700.3	641.2	599.4	*583.9*
55°	651.6	618.5	554.3	523.0	*514.2*
57.5°	583.9	538.6	486.5	455.3	*448.4*
60°	505.6	463.9	422.3	394.4	*384.0*
62.5°	434.3	397.8	363.2	338.7	*326.7*
65°	366.6	337.1	309.4	284.9	*276.3*
67.5°	300.6	284.9	262.3	243.3	*238.0*
70°	245.0	236.2	220.7	212.0	*205.0*
72.5°	194.6	198.1	187.7	184.2	*178.9*
75°	156.3	158.1	159.8	154.7	*151.2*
77.5°	118.2	126.8	133.7	130.2	*126.8*
80°	88.6	97.2	109.4	104.3	*104.3*
82.5°	60.7	71.3	81.7	78.3	*76.4*
85°	34.8	45.2	55.6	52.2	*48.7*
87.5°	13.9	22.6	24.3	24.3	*22.6*
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	15.5	17.1	15.9	17.4	17.7	14.2	15.8	14.6	16.1	16.4
	3H	16.8	18.2	17.1	18.5	18.8	15.5	16.9	15.9	17.2	17.6
	4H	17.2	18.5	17.6	18.8	19.2	16.1	17.4	16.5	17.7	18.1
	6H	17.5	18.7	17.9	19.0	19.4	16.5	17.8	17.0	18.1	18.5
	8H	17.6	18.7	18.0	19.1	19.5	16.7	17.9	17.2	18.3	18.7
	12H	17.6	18.7	18.0	19.1	19.5	16.9	18.0	17.3	18.4	18.8
4H	2H	15.9	17.2	16.3	17.5	17.9	14.8	16.1	15.2	16.4	16.8
	3H	17.3	18.4	17.7	18.8	19.2	16.3	17.4	16.7	17.8	18.2
	4H	17.9	18.8	18.3	19.2	19.7	17.0	17.9	17.4	18.3	18.8
	6H	18.3	19.1	18.7	19.6	20.0	17.6	18.5	18.1	18.9	19.4
	8H	18.4	19.2	18.9	19.7	20.1	17.9	18.6	18.3	19.1	19.6
	12H	18.5	19.2	19.0	19.7	20.2	18.0	18.8	18.5	19.2	19.7
8H	4H	18.1	18.9	18.5	19.3	19.8	17.3	18.1	17.7	18.5	19.0
	6H	18.6	19.3	19.1	19.8	20.2	18.0	18.7	18.5	19.2	19.7
	8H	18.8	19.4	19.3	19.9	20.4	18.4	19.0	18.9	19.5	20.0
	12H	19.0	19.5	19.5	20.0	20.6	18.7	19.2	19.2	19.7	20.3
12H	4H	18.1	18.8	18.6	19.3	19.7	17.3	18.0	17.8	18.5	19.0
	6H	18.7	19.3	19.2	19.7	20.3	18.1	18.7	18.7	19.2	19.7
	8H	18.9	19.5	19.4	20.0	20.5	18.5	19.1	19.0	19.6	20.1

(END OF REPORT)