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: P1050389

Luminaire Tested: PTR-14-80-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1050389
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab:	INNOVATION CENTER
Issue Date:	7/11/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	PTR-14-80-PR1-L835-UNV-STD-W
Description:	8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS
Light Source:	
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7469.7 lumens
Efficiency:	N/A
Efficacy:	105.2 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.26 / 1.34
Luminous Opening:	Rectangular (W 1' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	71
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	
Total Harmonic Distortion (THDi):	
Frequency (hertz):	60
Stabilization Time:	HR
Operation Time:	HR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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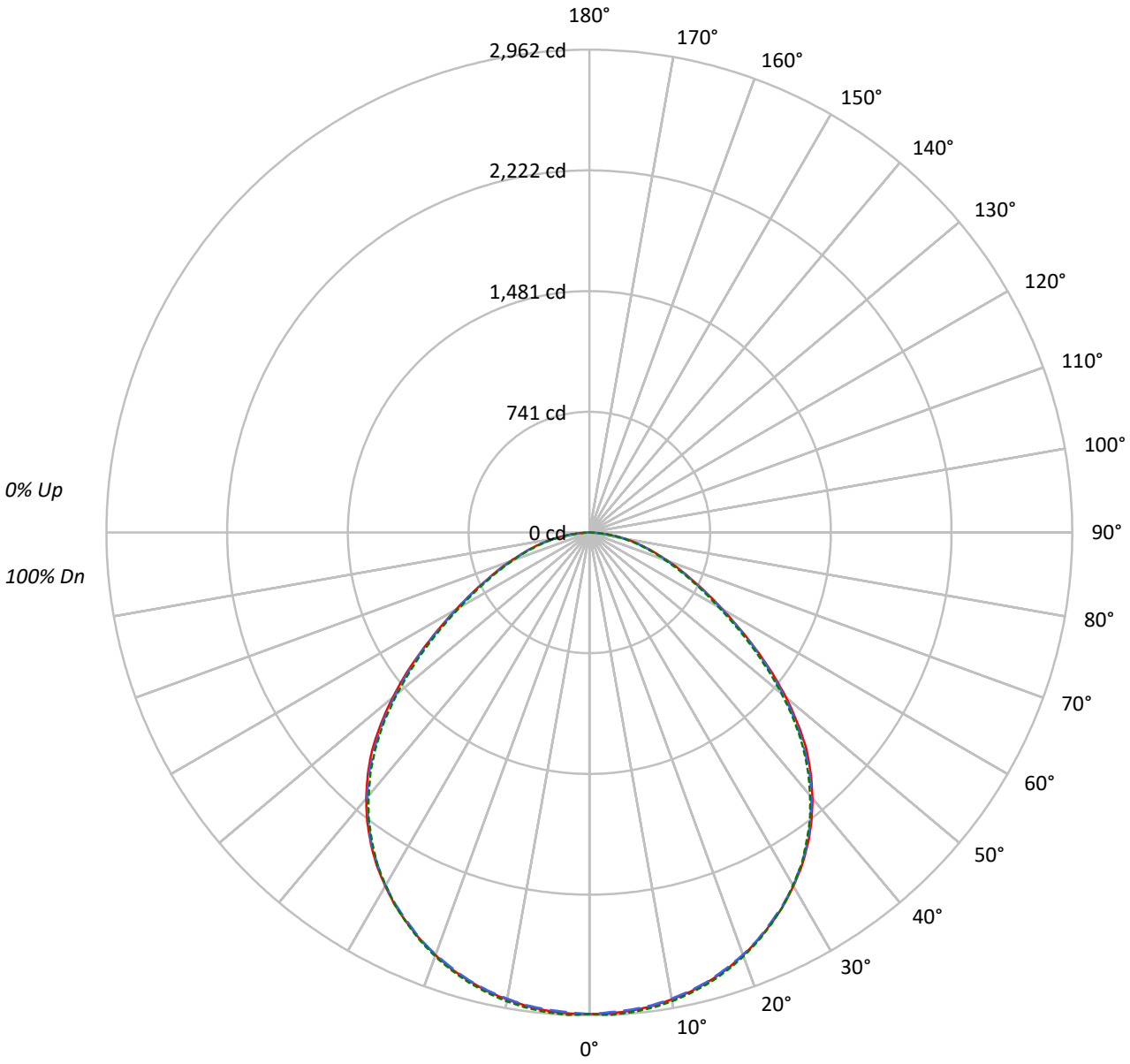
Luminous Intensity Polar Plot



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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	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7948	7948	7948
5°	7956	7938	7982
10°	7949	7935	7978
15°	7934	7922	7960
20°	7901	7891	7922
25°	7849	7830	7858
30°	7779	7770	7760
35°	7672	7655	7623
40°	7479	7449	7396
45°	7167	7086	7035
50°	6594	6520	6440
55°	5836	5811	5697
60°	5072	5053	4916
65°	4470	4443	4355
70°	4055	3998	3916
75°	3755	3667	3599
80°	3428	3380	3267
85°	2708	2683	2578

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7167 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.2	3.8
10°-20°	804.2	10.8
20°-30°	1218.3	16.3
30°-40°	1454.4	19.5
40°-50°	1430.3	19.1
50°-60°	1105.4	14.8
60°-70°	697.0	9.3
70°-80°	377.0	5.0
80°-90°	103.0	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°	2302.6	30.8
0°-40°	3757.0	50.3
0°-60°	6292.7	84.2
0°-90°	7469.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7469.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2954	2954	2954	2954	2954	
5°	2945	2946	2939	2951	2955	280
15°	2848	2849	2844	2853	2857	804
25°	2644	2646	2637	2646	2647	1218
35°	2336	2336	2330	2327	2320	1458
45°	1883	1876	1862	1847	1849	1442
55°	1244	1254	1238	1218	1214	1116
65°	702	703	698	686	684	706
75°	361	357	353	355	346	384
85°	88	89	87	88	84	104
90°	0	0	0	0	0	

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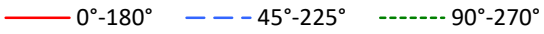
CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2953.7	2953.7	2953.7	2953.7	*2953.7*
2.5°	*2952.5*	*2953.7*	*2945.2*	*2959.0*	*2962.1*
5°	2945.2	2946.3	2938.7	2951.3	*2954.8*
7.5°	2930.2	2932.5	2925.2	2937.9	*2941.0*
10°	2909.0	2911.3	2904.0	2916.7	*2919.8*
12.5°	2882.9	2883.7	2877.5	2889.0	*2892.1*
15°	2847.9	2848.6	2843.6	2852.9	*2857.1*
17.5°	2807.5	2808.6	2801.3	2812.9	*2814.8*
20°	2759.0	2759.8	2755.6	2765.2	*2766.3*
22.5°	2704.8	2707.1	2700.6	2709.0	*2710.2*
25°	2643.6	2645.6	2637.1	2645.6	*2646.7*
27.5°	2579.0	2579.8	2572.5	2579.0	*2577.9*
30°	2503.6	2510.2	2500.5	2498.2	*2497.5*
32.5°	2425.5	2426.3	2417.1	2414.8	*2419.0*
35°	2335.5	2336.3	2330.2	2327.1	*2320.5*
37.5°	2237.1	2237.1	2225.1	2223.2	*2222.1*
40°	2129.0	2127.8	2120.5	2113.2	*2105.5*
42.5°	2011.3	2013.6	1998.6	1985.9	*1984.0*
45°	1883.2	1875.9	1862.0	1847.4	*1848.6*
47.5°	1732.0	1734.0	1715.1	1703.2	*1700.1*
50°	1575.1	1575.1	1557.4	1544.7	*1538.2*
52.5°	1411.2	1412.4	1395.5	1378.6	*1375.1*
55°	1243.9	1254.3	1238.5	1218.5	*1214.3*
57.5°	1087.4	1095.8	1080.8	1059.7	*1058.5*
60°	942.4	943.1	938.9	918.9	*913.5*
62.5°	818.5	813.1	810.8	800.4	*793.9*
65°	702.0	703.1	697.7	685.8	*683.9*
67.5°	607.7	606.6	597.0	589.7	*585.4*
70°	515.4	512.3	508.1	502.0	*497.7*
72.5°	433.1	433.1	429.6	427.7	*420.4*
75°	361.2	356.9	352.7	354.6	*346.2*
77.5°	292.3	288.1	284.6	280.4	*278.5*
80°	221.2	216.9	218.1	211.6	*210.8*
82.5°	153.5	153.5	151.5	146.2	*147.3*
85°	87.7	88.9	86.9	87.7	*83.5*
87.5°	31.9	32.7	35.0	32.7	*32.7*
90°	0.0	0.0	0.0	0.0	*0.0*


0°-180°
45°-225°
90°-270°

(END OF REPORT)