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: P1050946

Luminaire Tested: 24PTR-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:	P1050946
	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:	24PTR-80-PR1-L835-UNV-STD-W
Description:	8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS
Light Source:	
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7992.8 lumens
Efficiency:	N/A
Efficacy:	117.5 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.26 / 1.34
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	68
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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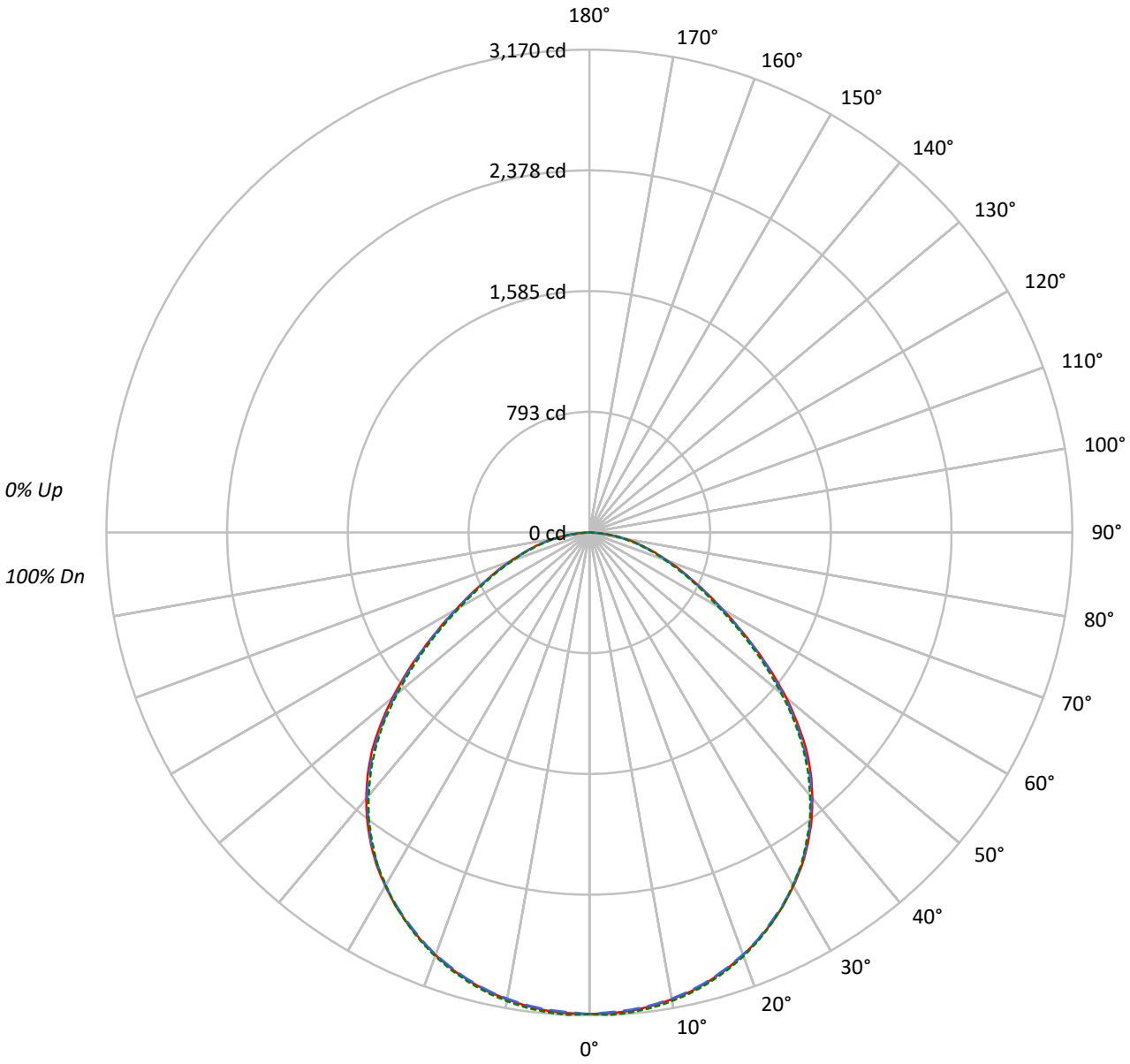
Luminous Intensity Polar Plot



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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°	4252	4252	4252
5°	4256	4247	4270
10°	4253	4245	4269
15°	4245	4238	4259
20°	4227	4222	4238
25°	4199	4189	4204
30°	4162	4157	4152
35°	4105	4095	4078
40°	4001	3985	3957
45°	3834	3791	3764
50°	3528	3488	3445
55°	3122	3109	3048
60°	2714	2704	2630
65°	2391	2377	2330
70°	2170	2139	2095
75°	2009	1962	1926
80°	1834	1808	1747
85°	1448	1436	1379

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3834 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.8	3.8
10°-20°	860.5	10.8
20°-30°	1303.6	16.3
30°-40°	1556.2	19.5
40°-50°	1530.4	19.1
50°-60°	1182.9	14.8
60°-70°	745.9	9.3
70°-80°	403.4	5.0
80°-90°	110.2	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°	2463.8	30.8
0°-40°	4020.0	50.3
0°-60°	6733.3	84.2
0°-90°	7992.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7992.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3160	3160	3160	3160	3160	
5°	3151	3153	3144	3158	3162	300
15°	3047	3048	3043	3053	3057	860
25°	2829	2831	2822	2831	2832	1304
35°	2499	2500	2493	2490	2483	1560
45°	2015	2007	1992	1977	1978	1543
55°	1331	1342	1325	1304	1299	1194
65°	751	752	747	734	732	756
75°	386	382	377	380	370	411
85°	94	95	93	94	89	112
90°	0	0	0	0	0	

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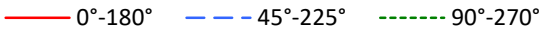
CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3160.5	3160.5	3160.5	3160.5	*3160.5*
2.5°	*3159.2*	*3160.5*	*3151.4*	*3166.2*	*3169.5*
5°	3151.4	3152.7	3144.4	3158.0	*3161.7*
7.5°	3135.4	3137.8	3130.0	3143.6	*3146.9*
10°	3112.7	3115.2	3107.4	3121.0	*3124.3*
12.5°	3084.7	3085.6	3079.0	3091.3	*3094.6*
15°	3047.3	3048.1	3042.8	3052.6	*3057.2*
17.5°	3004.1	3005.3	2997.5	3009.8	*3011.9*
20°	2952.2	2953.0	2948.5	2958.8	*2960.0*
22.5°	2894.2	2896.7	2889.7	2898.7	*2899.9*
25°	2828.7	2830.8	2821.7	2830.8	*2832.0*
27.5°	2759.6	2760.4	2752.6	2759.6	*2758.4*
30°	2678.9	2685.9	2675.6	2673.2	*2672.3*
32.5°	2595.4	2596.2	2586.3	2583.9	*2588.4*
35°	2499.1	2499.9	2493.3	2490.0	*2483.0*
37.5°	2393.7	2393.7	2381.0	2378.9	*2377.7*
40°	2278.1	2276.8	2269.0	2261.2	*2253.0*
42.5°	2152.1	2154.6	2138.5	2125.0	*2122.9*
45°	2015.1	2007.2	1992.4	1976.8	*1978.0*
47.5°	1853.3	1855.4	1835.2	1822.4	*1819.2*
50°	1685.4	1685.4	1666.5	1652.9	*1645.9*
52.5°	1510.1	1511.3	1493.2	1475.1	*1471.4*
55°	1331.0	1342.1	1325.3	1303.9	*1299.3*
57.5°	1163.5	1172.6	1156.5	1133.9	*1132.7*
60°	1008.4	1009.2	1004.7	983.2	*977.5*
62.5°	875.8	870.1	867.6	856.5	*849.5*
65°	751.1	752.4	746.6	733.8	*731.8*
67.5°	650.3	649.1	638.8	630.9	*626.4*
70°	551.5	548.2	543.7	537.1	*532.6*
72.5°	463.4	463.4	459.7	457.7	*449.8*
75°	386.5	381.9	377.4	379.5	*370.4*
77.5°	312.8	308.3	304.6	300.0	*298.0*
80°	236.7	232.1	233.4	226.4	*225.5*
82.5°	164.2	164.2	162.2	156.4	*157.6*
85°	93.8	95.1	93.0	93.8	*89.3*
87.5°	34.2	35.0	37.5	35.0	*35.0*
90°	0.0	0.0	0.0	0.0	*0.0*


0°-180°
45°-225°
90°-270°

(END OF REPORT)