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: P1050391

Luminaire Tested: PTR-14-80-PR1-L850-UNV-STD-W

Issue Date: 7/11/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1050391
	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-L850-UNV-STD-W
Description:	8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS
Light Source:	
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7672.3 lumens
Efficiency:	N/A
Efficacy:	108.1 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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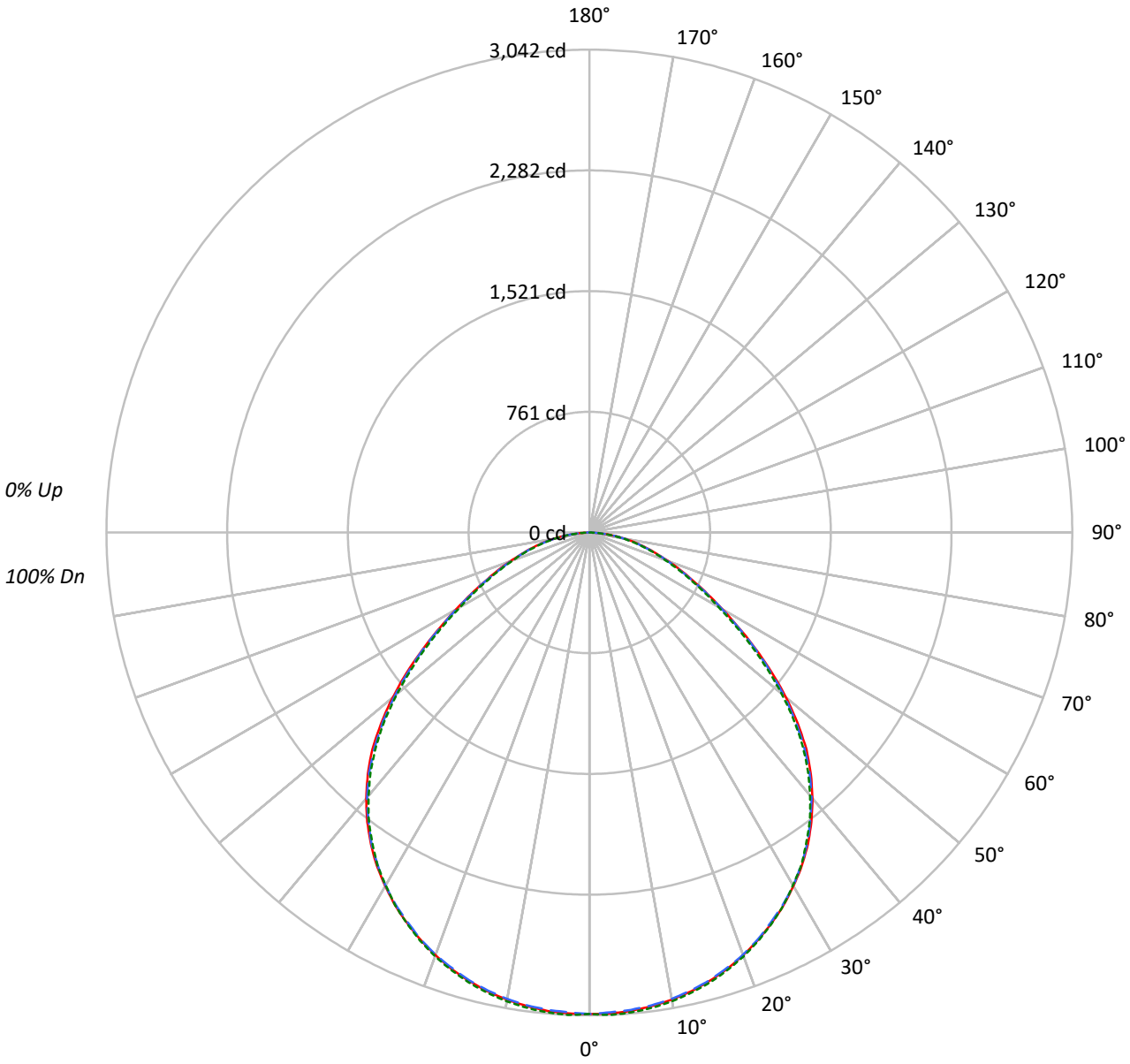
Luminous Intensity Polar Plot



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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°	8164	8164	8164
5°	8172	8153	8198
10°	8164	8150	8195
15°	8149	8137	8176
20°	8115	8105	8137
25°	8062	8042	8072
30°	7990	7981	7971
35°	7881	7862	7830
40°	7681	7651	7597
45°	7361	7278	7226
50°	6773	6697	6614
55°	5994	5968	5851
60°	5209	5190	5050
65°	4591	4564	4472
70°	4165	4106	4022
75°	3857	3767	3697
80°	3521	3471	3355
85°	2782	2757	2646

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7361 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.8	3.8
10°-20°	826.0	10.8
20°-30°	1251.3	16.3
30°-40°	1493.8	19.5
40°-50°	1469.0	19.1
50°-60°	1135.4	14.8
60°-70°	715.9	9.3
70°-80°	387.3	5.0
80°-90°	105.8	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°	2365.1	30.8
0°-40°	3858.9	50.3
0°-60°	6463.3	84.2
0°-90°	7672.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7672.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3034	3034	3034	3034	3034	
5°	3025	3026	3018	3031	3035	288
15°	2925	2926	2921	2930	2935	826
25°	2715	2717	2709	2717	2718	1251
35°	2399	2400	2393	2390	2384	1498
45°	1934	1927	1912	1898	1899	1481
55°	1278	1288	1272	1252	1247	1147
65°	721	722	717	704	702	725
75°	371	367	362	364	356	394
85°	90	91	89	90	86	107
90°	0	0	0	0	0	

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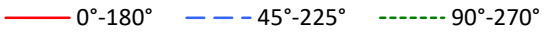
CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3033.8	3033.8	3033.8	3033.8	*3033.8*
2.5°	*3032.6*	*3033.8*	*3025.1*	*3039.3*	*3042.4*
5°	3025.1	3026.2	3018.3	3031.4	*3034.9*
7.5°	3009.7	3012.0	3004.5	3017.6	*3020.7*
10°	2987.9	2990.3	2982.8	2995.8	*2999.0*
12.5°	2961.1	2961.8	2955.5	2967.4	*2970.5*
15°	2925.1	2925.9	2920.8	2930.2	*2934.6*
17.5°	2883.6	2884.8	2877.3	2889.2	*2891.1*
20°	2833.8	2834.6	2830.3	2840.2	*2841.4*
22.5°	2778.1	2780.5	2773.8	2782.5	*2783.7*
25°	2715.3	2717.3	2708.6	2717.3	*2718.5*
27.5°	2649.0	2649.7	2642.2	2649.0	*2647.8*
30°	2571.5	2578.2	2568.4	2566.0	*2565.2*
32.5°	2491.3	2492.1	2482.6	2480.3	*2484.6*
35°	2398.9	2399.7	2393.3	2390.2	*2383.5*
37.5°	2297.7	2297.7	2285.5	2283.5	*2282.3*
40°	2186.7	2185.5	2178.0	2170.5	*2162.6*
42.5°	2065.8	2068.2	2052.8	2039.8	*2037.8*
45°	1934.3	1926.8	1912.5	1897.5	*1898.7*
47.5°	1779.0	1781.0	1761.6	1749.4	*1746.2*
50°	1617.8	1617.8	1599.6	1586.6	*1579.9*
52.5°	1449.5	1450.7	1433.3	1415.9	*1412.4*
55°	1277.7	1288.3	1272.1	1251.6	*1247.2*
57.5°	1116.9	1125.6	1110.1	1088.4	*1087.2*
60°	967.9	968.7	964.4	943.8	*938.3*
62.5°	840.7	835.2	832.8	822.1	*815.4*
65°	721.0	722.2	716.7	704.4	*702.4*
67.5°	624.2	623.0	613.2	605.6	*601.3*
70°	529.4	526.2	521.9	515.6	*511.2*
72.5°	444.8	444.8	441.3	439.3	*431.8*
75°	371.0	366.6	362.3	364.3	*355.6*
77.5°	300.3	295.9	292.4	288.0	*286.0*
80°	227.2	222.8	224.0	217.3	*216.5*
82.5°	157.6	157.6	155.7	150.1	*151.3*
85°	90.1	91.3	89.3	90.1	*85.7*
87.5°	32.8	33.6	36.0	33.6	*33.6*
90°	0.0	0.0	0.0	0.0	*0.0*


0°-180°
45°-225°
90°-270°

(END OF REPORT)