

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P737954

Luminaire Tested: **14PT-70-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PL1-L850
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

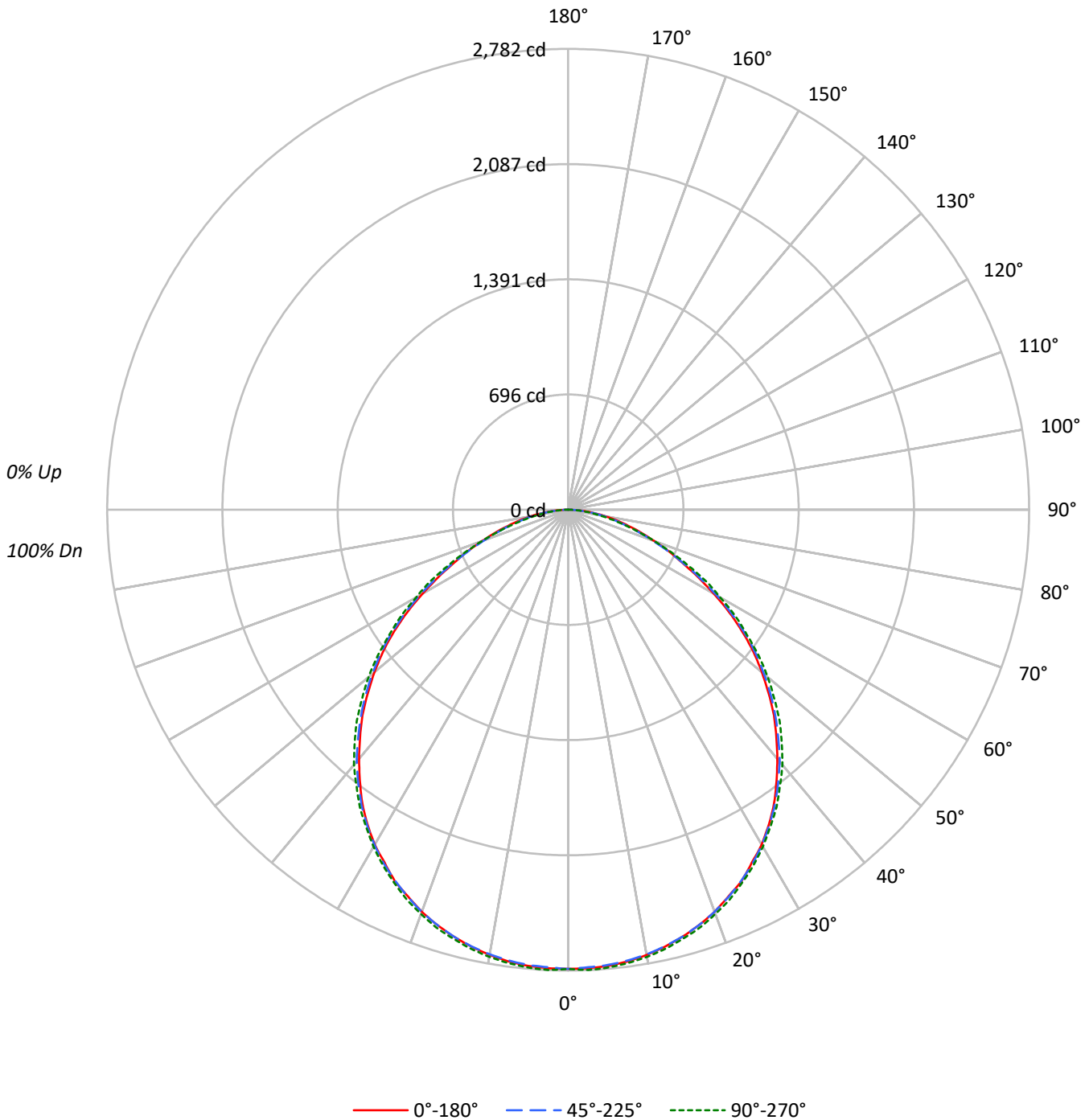
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7308.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 62.7
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 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	
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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8312	8312	8312
5°	8319	8303	8350
10°	8309	8299	8346
15°	8283	8279	8321
20°	8242	8242	8288
25°	8185	8175	8219
30°	8082	8093	8132
35°	7929	7959	8023
40°	7682	7771	7871
45°	7443	7504	7648
50°	7114	7191	7335
55°	6700	6808	6889
60°	6079	6208	6363
65°	5399	5457	5677
70°	4826	4727	4844
75°	4354	4105	4022
80°	3955	3671	3263
85°	3357	3037	2614



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.0	3.6
10°-20°	754.3	10.3
20°-30°	1140.9	15.6
30°-40°	1359.9	18.6
40°-50°	1367.5	18.7
50°-60°	1160.6	15.9
60°-70°	772.7	10.6
70°-80°	385.9	5.3
80°-90°	103.2	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°	2158.2	29.5
0°-40°	3518.1	48.1
0°-60°	6046.1	82.7
0°-90°	7308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7308.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2772	2772	2772	2772	2772	
5°	2764	2765	2759	2771	2774	263
15°	2669	2672	2668	2679	2681	753
25°	2474	2474	2471	2483	2485	1138
35°	2166	2168	2174	2190	2192	1351
45°	1755	1758	1770	1793	1804	1350
55°	1282	1291	1302	1315	1318	1142
65°	761	767	769	781	800	763
75°	376	371	354	346	347	404
85°	98	96	88	83	76	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2772.3	2772.3	2772.3	2772.3	2772.3
2.5°	2770.3	2772.3	2765.1	2778.5	2781.6
5°	2764.1	2765.1	2759.0	2771.3	2774.4
7.5°	2750.7	2751.8	2745.6	2759.0	2761.0
10°	2729.2	2731.2	2726.1	2738.4	2741.5
12.5°	2701.4	2704.5	2699.4	2712.7	2714.8
15°	2668.6	2671.7	2667.5	2678.8	2680.9
17.5°	2628.5	2630.6	2628.5	2638.8	2644.9
20°	2583.3	2583.3	2583.3	2592.6	2597.7
22.5°	2526.8	2532.0	2529.9	2542.2	2547.4
25°	2474.4	2474.4	2471.4	2482.7	2484.7
27.5°	2401.5	2409.7	2408.7	2419.0	2421.0
30°	2334.7	2336.8	2337.8	2345.0	2349.1
32.5°	2253.6	2255.7	2258.7	2269.0	2270.0
35°	2166.3	2168.3	2174.5	2189.9	2192.0
37.5°	2064.6	2075.9	2081.0	2097.5	2099.5
40°	1962.9	1970.1	1985.5	2003.0	2011.2
42.5°	1859.2	1867.4	1876.6	1900.3	1907.4
45°	1755.4	1758.5	1769.8	1793.4	1803.7
47.5°	1640.4	1649.6	1659.9	1680.4	1686.6
50°	1525.3	1535.6	1541.8	1560.3	1572.6
52.5°	1409.3	1418.5	1425.7	1437.0	1449.3
55°	1281.9	1291.1	1302.4	1314.8	1317.9
57.5°	1152.5	1162.7	1169.9	1183.3	1196.6
60°	1013.8	1025.1	1035.4	1047.7	1061.1
62.5°	884.4	889.5	899.8	920.3	939.9
65°	761.1	767.3	769.3	780.6	800.2
67.5°	658.4	658.4	649.2	653.3	674.8
70°	550.6	546.5	539.3	535.2	552.6
72.5°	463.3	458.1	442.7	435.5	444.8
75°	375.9	370.8	354.4	346.2	347.2
77.5°	302.0	293.8	280.4	266.0	263.0
80°	229.1	226.0	212.6	199.3	189.0
82.5°	162.3	155.1	147.9	139.7	131.5
85°	97.6	95.5	88.3	83.2	76.0
87.5°	40.1	40.1	38.0	36.0	33.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)