

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: P737772

Luminaire Tested: **14PT-30-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737772
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-30-PL1-L935
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

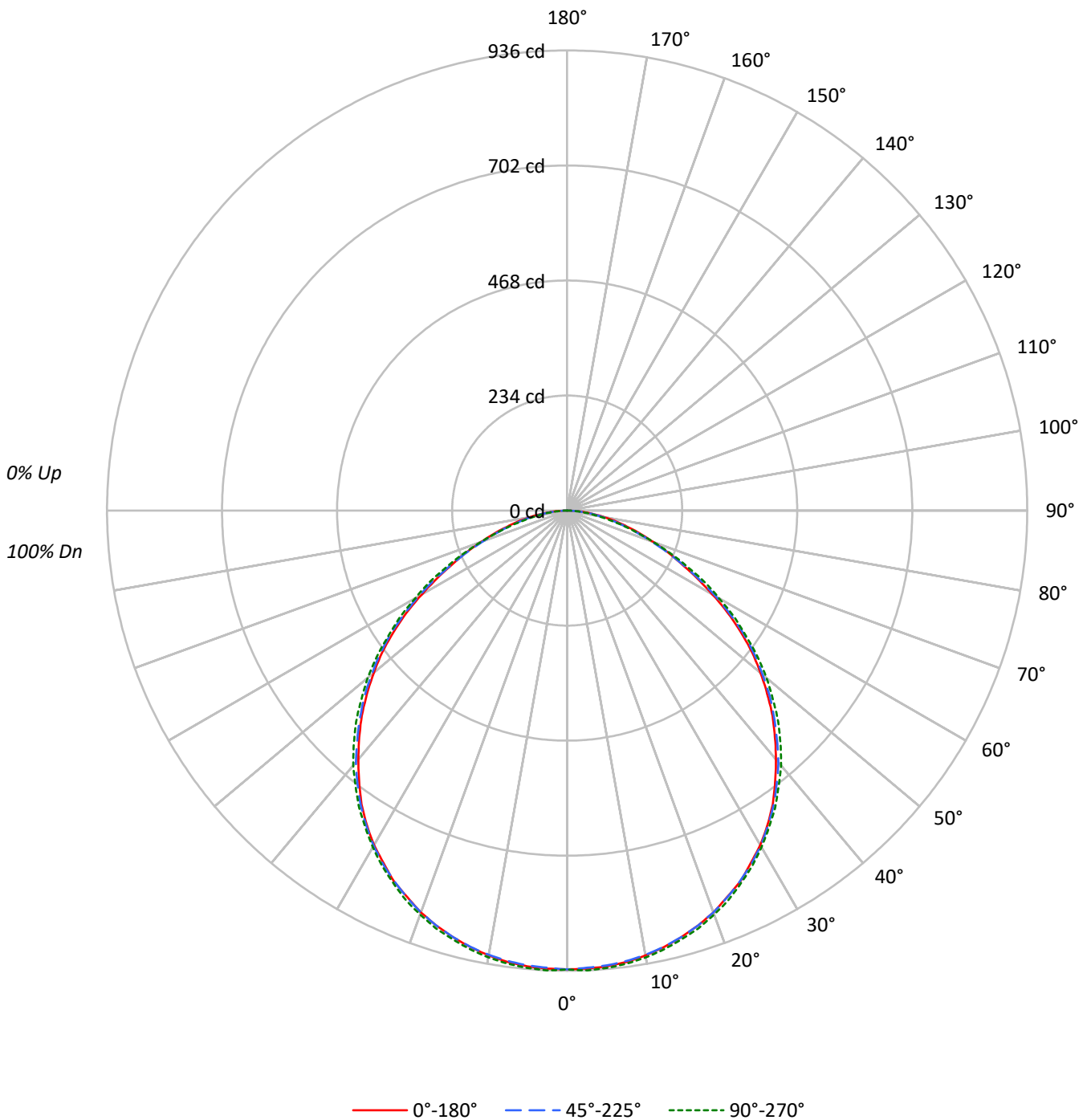
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2460.0 lumens
Efficiency: N/A
Efficacy: 105.1 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): 23.4
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°	2798	2798	2798
5°	2800	2795	2811
10°	2797	2794	2809
15°	2788	2787	2801
20°	2774	2774	2790
25°	2755	2752	2767
30°	2721	2724	2738
35°	2669	2679	2701
40°	2586	2616	2650
45°	2505	2526	2574
50°	2395	2421	2469
55°	2255	2292	2319
60°	2046	2090	2142
65°	1817	1837	1910
70°	1624	1591	1630
75°	1465	1382	1354
80°	1331	1236	1098
85°	1128	1022	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	3.6
10°-20°	253.9	10.3
20°-30°	384.1	15.6
30°-40°	457.8	18.6
40°-50°	460.3	18.7
50°-60°	390.7	15.9
60°-70°	260.1	10.6
70°-80°	129.9	5.3
80°-90°	34.7	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°	726.5	29.5
0°-40°	1184.3	48.1
0°-60°	2035.2	82.7
0°-90°	2460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2460.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	933	933	933	933	933	
5°	930	931	929	933	934	88
15°	898	899	898	902	902	253
25°	833	833	832	836	836	383
35°	729	730	732	737	738	455
45°	591	592	596	604	607	455
55°	432	435	438	443	444	385
65°	256	258	259	263	269	257
75°	126	125	119	116	117	136
85°	33	32	30	28	26	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	933.2	933.2	933.2	933.2	933.2
2.5°	932.5	933.2	930.8	935.3	936.3
5°	930.4	930.8	928.7	932.9	933.9
7.5°	925.9	926.3	924.2	928.7	929.4
10°	918.7	919.4	917.7	921.8	922.8
12.5°	909.4	910.4	908.7	913.2	913.8
15°	898.3	899.3	897.9	901.7	902.4
17.5°	884.8	885.5	884.8	888.3	890.3
20°	869.6	869.6	869.6	872.7	874.4
22.5°	850.6	852.3	851.6	855.8	857.5
25°	832.9	832.9	831.9	835.7	836.4
27.5°	808.4	811.2	810.8	814.3	815.0
30°	785.9	786.6	787.0	789.4	790.8
32.5°	758.6	759.3	760.3	763.8	764.1
35°	729.2	729.9	732.0	737.2	737.9
37.5°	695.0	698.8	700.5	706.0	706.7
40°	660.7	663.2	668.4	674.2	677.0
42.5°	625.8	628.6	631.7	639.7	642.1
45°	590.9	591.9	595.7	603.7	607.2
47.5°	552.2	555.3	558.8	565.7	567.7
50°	513.5	516.9	519.0	525.2	529.4
52.5°	474.4	477.5	479.9	483.7	487.9
55°	431.5	434.6	438.4	442.6	443.6
57.5°	387.9	391.4	393.8	398.3	402.8
60°	341.3	345.1	348.5	352.7	357.2
62.5°	297.7	299.4	302.9	309.8	316.4
65°	256.2	258.3	259.0	262.8	269.3
67.5°	221.6	221.6	218.5	219.9	227.2
70°	185.3	183.9	181.5	180.1	186.0
72.5°	155.9	154.2	149.0	146.6	149.7
75°	126.5	124.8	119.3	116.5	116.9
77.5°	101.7	98.9	94.4	89.6	88.5
80°	77.1	76.1	71.6	67.1	63.6
82.5°	54.6	52.2	49.8	47.0	44.3
85°	32.8	32.2	29.7	28.0	25.6
87.5°	13.5	13.5	12.8	12.1	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)