

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: P738379

Luminaire Tested: **24PT-100-PL1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-100-PL1-L930
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

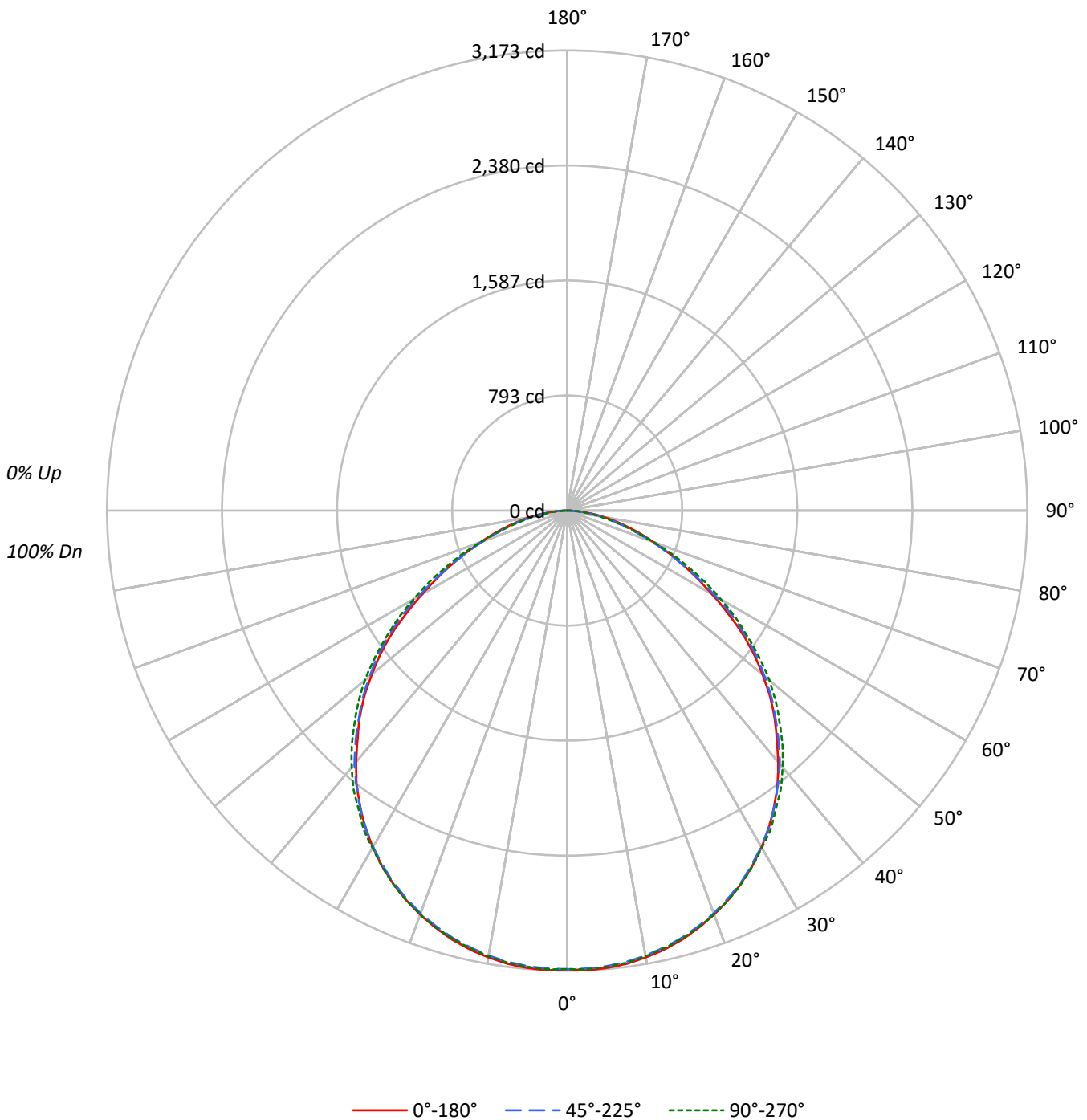
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8371.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 85.4
Input Voltage (V): NR
Input Current (Ain): 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	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	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	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4535	4535	4535
5°	4557	4538	4544
10°	4554	4536	4544
15°	4546	4527	4537
20°	4523	4509	4520
25°	4490	4480	4494
30°	4437	4431	4446
35°	4357	4358	4392
40°	4237	4269	4327
45°	4105	4124	4205
50°	3922	3966	4062
55°	3681	3750	3806
60°	3306	3386	3512
65°	2958	2964	3124
70°	2637	2565	2656
75°	2382	2241	2200
80°	2116	1974	1741
85°	1734	1645	1361



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.0	3.6
10°-20°	861.4	10.3
20°-30°	1305.0	15.6
30°-40°	1559.5	18.6
40°-50°	1573.2	18.8
50°-60°	1334.7	15.9
60°-70°	883.1	10.5
70°-80°	438.2	5.2
80°-90°	116.0	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°	2466.3	29.5
0°-40°	4025.8	48.1
0°-60°	6933.7	82.8
0°-90°	8371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8371.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3162	3162	3162	3162	3162	
5°	3166	3155	3152	3151	3157	301
15°	3062	3052	3050	3050	3056	864
25°	2838	2832	2832	2831	2841	1307
35°	2489	2485	2490	2504	2509	1555
45°	2024	2022	2034	2061	2074	1557
55°	1473	1476	1500	1514	1523	1309
65°	872	870	874	901	921	870
75°	430	418	404	392	397	460
85°	105	105	100	92	83	125
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3162.5	3162.5	3162.5	3162.5	3162.5
2.5°	3173.4	3163.4	3160.7	3158.9	3166.2
5°	3166.2	3155.3	3152.5	3150.7	3157.1
7.5°	3151.6	3139.8	3138.0	3136.2	3144.3
10°	3128.0	3117.1	3115.3	3113.4	3120.7
12.5°	3099.8	3088.9	3085.3	3086.2	3090.7
15°	3062.5	3052.5	3049.8	3049.8	3056.2
17.5°	3016.2	3007.1	3005.3	3004.4	3012.5
20°	2964.4	2955.3	2955.3	2958.0	2962.5
22.5°	2905.3	2898.9	2895.3	2897.1	2906.2
25°	2838.0	2831.6	2831.6	2830.7	2840.7
27.5°	2763.5	2755.3	2755.3	2762.6	2766.2
30°	2679.8	2672.6	2676.2	2681.7	2685.3
32.5°	2589.8	2585.3	2588.0	2596.2	2610.7
35°	2488.9	2485.3	2489.8	2503.5	2508.9
37.5°	2383.5	2380.8	2387.1	2405.3	2420.8
40°	2263.5	2263.5	2280.8	2297.1	2311.7
42.5°	2139.0	2147.1	2159.9	2185.3	2198.0
45°	2024.4	2021.7	2033.5	2060.8	2073.5
47.5°	1897.2	1894.4	1911.7	1930.8	1951.7
50°	1758.1	1757.2	1778.1	1794.4	1820.8
52.5°	1622.6	1630.8	1644.4	1659.0	1674.4
55°	1472.6	1476.3	1499.9	1513.5	1522.6
57.5°	1310.8	1322.6	1351.7	1371.7	1379.9
60°	1152.7	1159.9	1180.8	1216.3	1224.5
62.5°	1009.0	1011.8	1024.5	1064.5	1075.4
65°	871.8	869.9	873.6	900.9	920.9
67.5°	747.2	740.0	740.0	754.5	779.0
70°	629.1	618.1	611.8	616.3	633.6
72.5°	530.0	515.4	499.1	496.3	507.2
75°	430.0	418.2	404.5	391.8	397.2
77.5°	342.7	332.7	320.0	305.4	298.2
80°	256.3	252.7	239.1	225.4	210.9
82.5°	179.1	176.4	167.3	156.4	147.3
85°	105.4	105.4	100.0	91.8	82.7
87.5°	47.3	45.5	47.3	40.0	37.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)