

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: P738395

Luminaire Tested: **24PT-100-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-100-PW1-L930
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

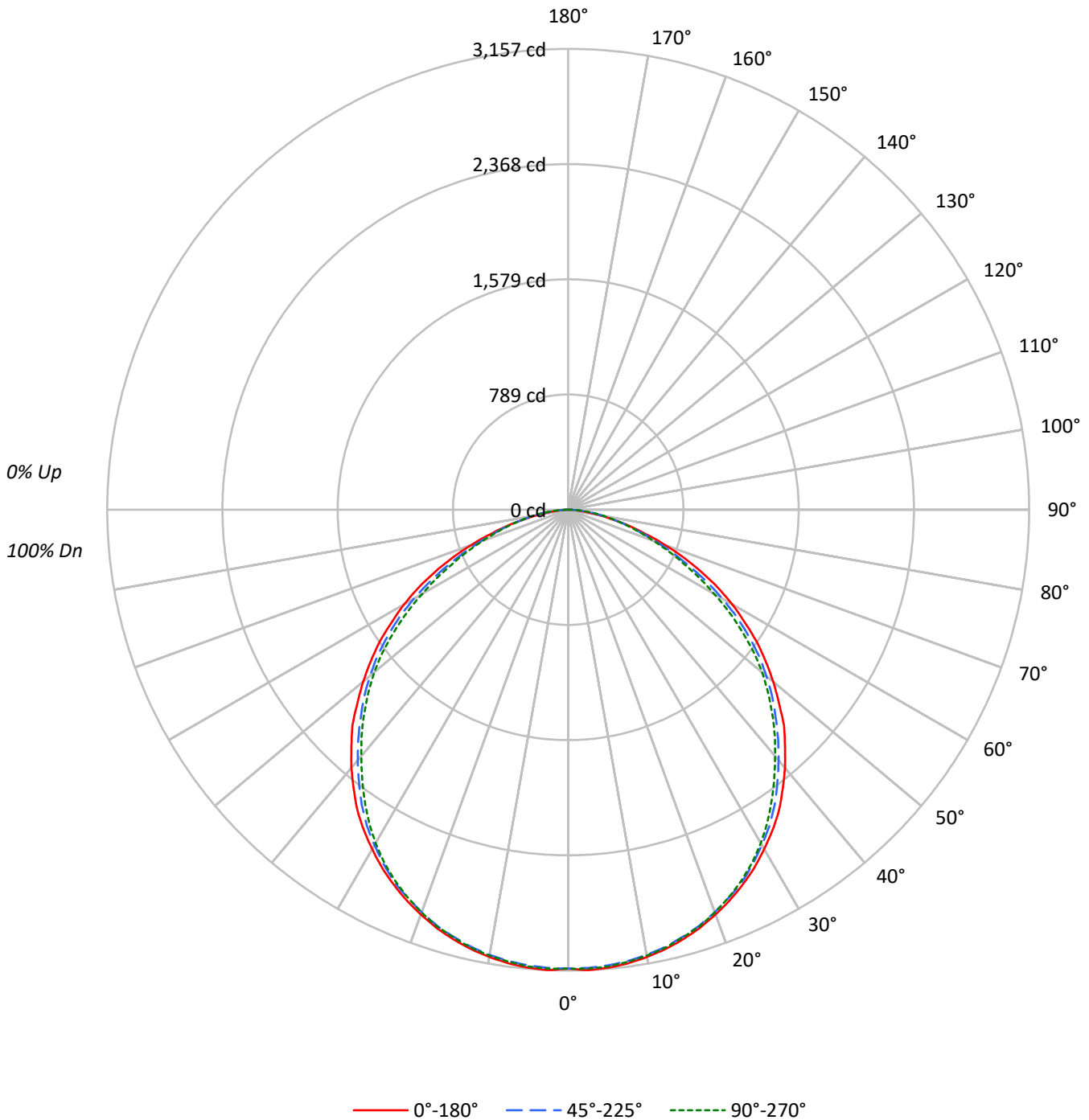
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8384.0 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4508	4508	4508
5°	4534	4511	4521
10°	4530	4509	4517
15°	4522	4498	4503
20°	4504	4477	4480
25°	4480	4454	4437
30°	4445	4393	4366
35°	4404	4315	4255
40°	4323	4196	4126
45°	4238	4074	4007
50°	4088	3950	3867
55°	3938	3770	3634
60°	3723	3493	3313
65°	3408	3112	2951
70°	2953	2698	2599
75°	2417	2327	2296
80°	1764	1989	2049
85°	1181	1660	1765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.2	3.6
10°-20°	856.1	10.2
20°-30°	1295.7	15.5
30°-40°	1541.7	18.4
40°-50°	1557.3	18.6
50°-60°	1347.5	16.1
60°-70°	920.5	11.0
70°-80°	453.6	5.4
80°-90°	113.4	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°	2450.0	29.2
0°-40°	3991.7	47.6
0°-60°	6896.5	82.3
0°-90°	8384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8384.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3144	3144	3144	3144	3144	
5°	3150	3138	3134	3132	3141	299
15°	3046	3036	3030	3028	3033	860
25°	2832	2821	2815	2804	2804	1305
35°	2516	2495	2465	2438	2431	1571
45°	2090	2054	2009	1986	1976	1605
55°	1575	1554	1508	1476	1454	1403
65°	1004	966	917	887	870	992
75°	436	424	420	417	414	466
85°	72	89	101	104	107	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3144.3	3144.3	3144.3	3144.3	3144.3
2.5°	3157.1	3145.2	3141.6	3138.9	3147.1
5°	3149.8	3138.0	3134.3	3131.6	3140.7
7.5°	3134.3	3122.5	3118.9	3116.1	3123.4
10°	3111.6	3100.7	3097.1	3094.3	3102.5
12.5°	3082.5	3072.5	3068.0	3064.3	3073.4
15°	3046.1	3036.1	3029.8	3028.0	3033.4
17.5°	3002.5	2992.5	2988.0	2985.2	2991.6
20°	2951.6	2940.7	2934.3	2930.7	2936.2
22.5°	2895.3	2884.3	2876.2	2872.5	2874.3
25°	2831.6	2820.7	2815.3	2804.3	2804.3
27.5°	2763.4	2750.7	2737.1	2725.3	2726.2
30°	2684.4	2669.8	2653.4	2638.0	2637.1
32.5°	2604.4	2586.2	2566.2	2545.3	2538.9
35°	2516.2	2495.3	2465.3	2438.0	2430.7
37.5°	2412.6	2393.5	2353.5	2330.7	2318.9
40°	2309.8	2282.6	2241.7	2215.3	2204.4
42.5°	2197.1	2170.8	2127.1	2102.6	2093.5
45°	2089.9	2054.4	2008.9	1986.2	1976.2
47.5°	1956.2	1927.1	1895.3	1869.0	1856.2
50°	1832.6	1809.0	1770.8	1741.7	1733.5
52.5°	1703.5	1683.5	1647.2	1609.0	1599.9
55°	1575.3	1553.5	1508.1	1476.3	1453.5
57.5°	1430.8	1411.7	1369.0	1328.1	1308.1
60°	1298.1	1265.4	1218.1	1173.6	1155.4
62.5°	1153.6	1121.7	1067.2	1021.7	1011.7
65°	1004.5	966.3	917.2	887.2	869.9
67.5°	853.6	816.3	775.4	756.3	745.4
70°	704.5	674.5	643.6	630.0	620.0
72.5°	560.9	543.6	526.3	520.9	511.8
75°	436.3	423.6	420.0	417.2	414.5
77.5°	314.5	320.9	324.5	328.2	324.5
80°	213.6	227.3	240.9	248.2	248.2
82.5°	131.8	155.4	167.3	174.5	173.6
85°	71.8	89.1	100.9	104.5	107.3
87.5°	29.1	36.4	40.9	44.5	46.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)