

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: P738396

Luminaire Tested: **24PT-100-PW1-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738396  
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-L935  
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

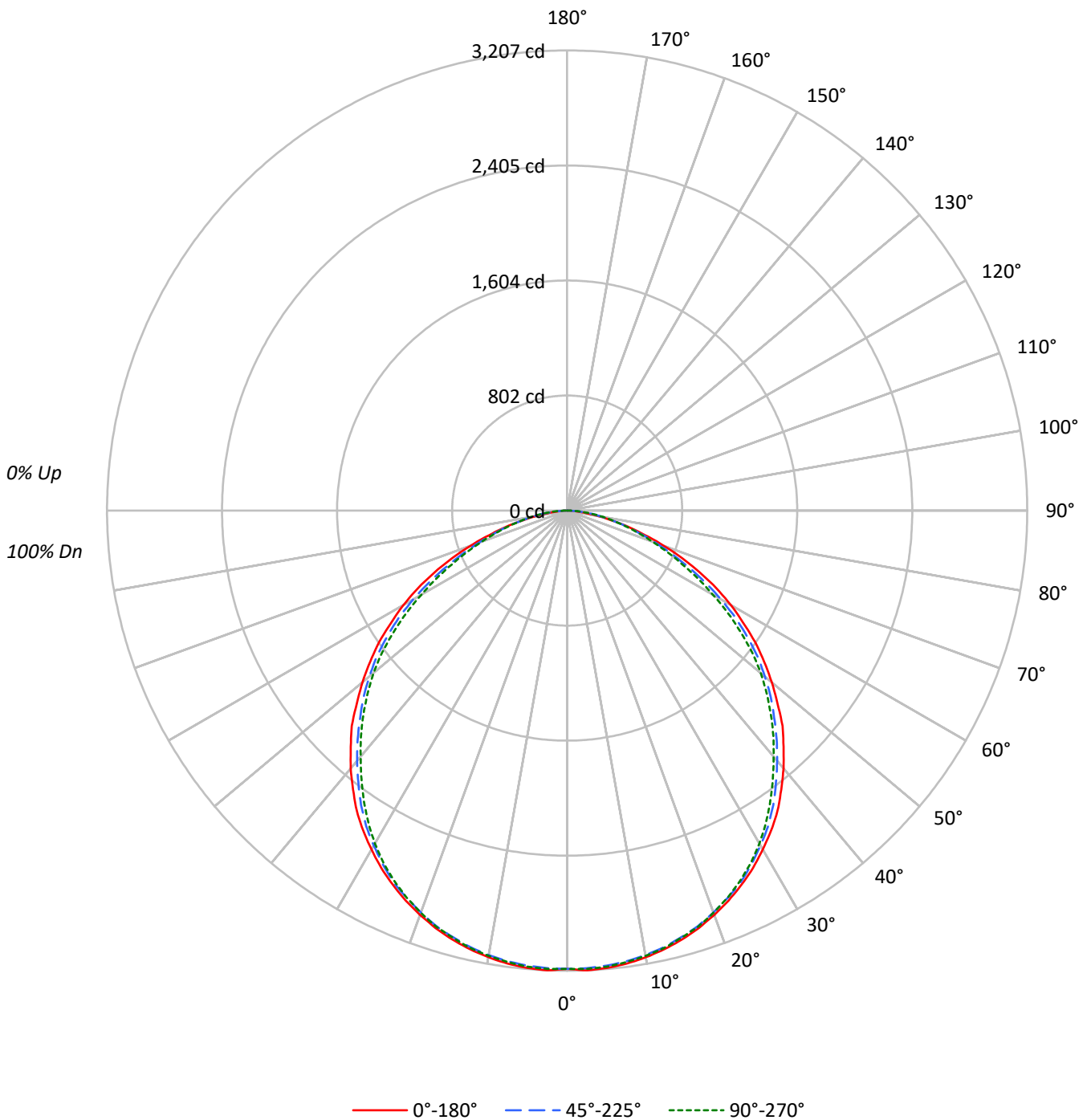
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8517.0 lumens  
Efficiency: N/A  
Efficacy: 99.7 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°	4580	4580	4580
5°	4605	4583	4592
10°	4602	4581	4589
15°	4594	4569	4574
20°	4575	4549	4551
25°	4551	4525	4507
30°	4515	4463	4435
35°	4474	4384	4322
40°	4392	4262	4192
45°	4305	4138	4071
50°	4153	4013	3928
55°	4001	3830	3691
60°	3782	3549	3366
65°	3462	3161	2998
70°	3000	2741	2640
75°	2456	2363	2333
80°	1792	2021	2082
85°	1201	1686	1793



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	303.0	3.6
10°-20°	869.7	10.2
20°-30°	1316.2	15.5
30°-40°	1566.2	18.4
40°-50°	1582.0	18.6
50°-60°	1368.9	16.1
60°-70°	935.1	11.0
70°-80°	460.8	5.4
80°-90°	115.2	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°	2488.9	29.2
0°-40°	4055.0	47.6
0°-60°	7005.9	82.3
0°-90°	8517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8517.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3194	3194	3194	3194	3194	
5°	3200	3188	3184	3181	3190	304
15°	3094	3084	3078	3076	3082	873
25°	2876	2866	2860	2849	2849	1326
35°	2556	2535	2504	2477	2469	1596
45°	2123	2087	2041	2018	2008	1630
55°	1600	1578	1532	1500	1477	1425
65°	1020	982	932	901	884	1008
75°	443	430	427	424	421	474
85°	73	90	102	106	109	94
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3194.2	3194.2	3194.2	3194.2	3194.2
2.5°	3207.1	3195.1	3191.4	3188.7	3197.0
5°	3199.7	3187.7	3184.0	3181.3	3190.5
7.5°	3184.0	3172.0	3168.3	3165.6	3173.0
10°	3161.0	3149.9	3146.2	3143.4	3151.7
12.5°	3131.4	3121.3	3116.6	3112.9	3122.2
15°	3094.5	3084.3	3077.8	3076.0	3081.5
17.5°	3050.1	3040.0	3035.4	3032.6	3039.1
20°	2998.4	2987.4	2980.9	2977.2	2982.7
22.5°	2941.2	2930.1	2921.8	2918.1	2919.9
25°	2876.5	2865.5	2859.9	2848.8	2848.8
27.5°	2807.3	2794.4	2780.5	2768.5	2769.4
30°	2726.9	2712.2	2695.5	2679.8	2678.9
32.5°	2645.7	2627.2	2606.9	2585.7	2579.2
35°	2556.1	2534.9	2504.4	2476.7	2469.3
37.5°	2450.8	2431.4	2390.8	2367.7	2355.7
40°	2346.5	2318.8	2277.2	2250.4	2239.4
42.5°	2232.0	2205.2	2160.9	2135.9	2126.7
45°	2123.0	2087.0	2040.8	2017.7	2007.6
47.5°	1987.3	1957.7	1925.4	1898.6	1885.7
50°	1861.7	1837.7	1798.9	1769.3	1761.0
52.5°	1730.5	1710.2	1673.3	1634.5	1625.3
55°	1600.3	1578.2	1532.0	1499.7	1476.6
57.5°	1453.5	1434.1	1390.7	1349.2	1328.8
60°	1318.7	1285.4	1237.4	1192.2	1173.7
62.5°	1171.9	1139.5	1084.1	1038.0	1027.8
65°	1020.4	981.6	931.8	901.3	883.7
67.5°	867.1	829.3	787.7	768.3	757.2
70°	715.7	685.2	653.8	639.9	629.8
72.5°	569.8	552.2	534.7	529.1	519.9
75°	443.3	430.3	426.6	423.9	421.1
77.5°	319.5	326.0	329.7	333.4	329.7
80°	217.0	230.9	244.7	252.1	252.1
82.5°	133.9	157.9	169.9	177.3	176.4
85°	73.0	90.5	102.5	106.2	109.0
87.5°	29.6	36.9	41.6	45.2	47.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)