

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: P738692

Luminaire Tested: **24PT-90-PC3-L935**

Issue Date: 2/8/2024



**Test Information**

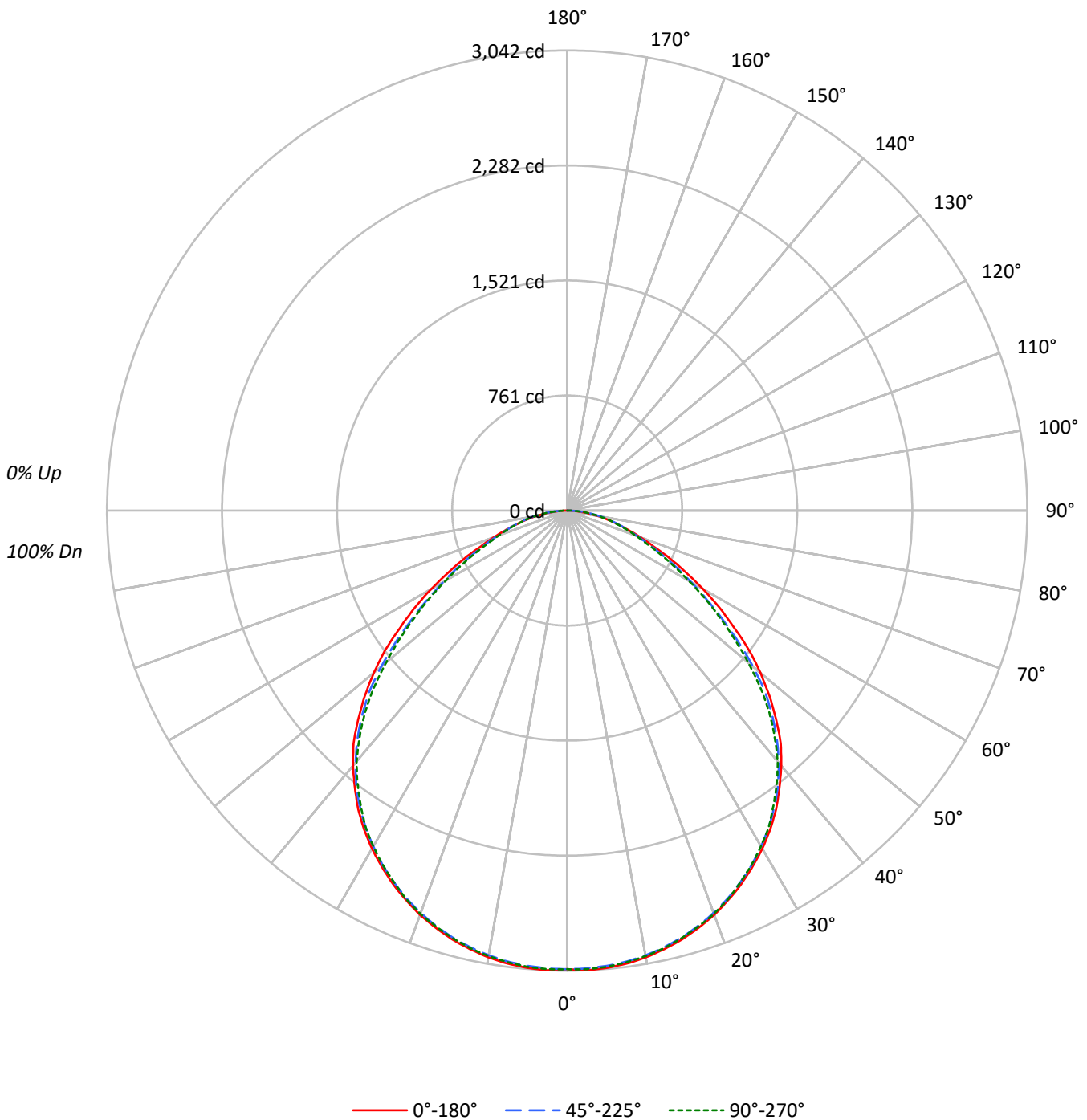
Test Method: LM-79-08  
Report Number: P738692  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-90-PC3-L935  
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7649.0 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 75.7  
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4348	4348	4348
5°	4367	4349	4357
10°	4367	4348	4354
15°	4357	4337	4342
20°	4340	4319	4328
25°	4310	4289	4287
30°	4273	4245	4244
35°	4216	4182	4163
40°	4121	4073	4054
45°	3962	3888	3834
50°	3720	3577	3483
55°	3363	3135	3076
60°	2974	2713	2660
65°	2543	2351	2291
70°	2155	2063	2003
75°	1889	1922	1856
80°	1694	1868	1763
85°	1430	1708	1624



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.5	3.8
10°-20°	825.3	10.8
20°-30°	1250.2	16.3
30°-40°	1493.2	19.5
40°-50°	1473.0	19.3
50°-60°	1140.3	14.9
60°-70°	700.9	9.2
70°-80°	367.3	4.8
80°-90°	111.3	1.5
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°	2363.0	30.9
0°-40°	3856.2	50.4
0°-60°	6469.5	84.6
0°-90°	7649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7649.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3032	3032	3032	3032	3032	
5°	3034	3025	3021	3020	3027	289
15°	2935	2926	2922	2919	2925	828
25°	2724	2716	2711	2709	2710	1255
35°	2409	2398	2389	2382	2378	1504
45°	1954	1939	1918	1897	1890	1503
55°	1345	1309	1254	1236	1230	1207
65°	749	715	693	673	675	748
75°	341	344	347	340	335	367
85°	87	97	104	101	99	101
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3032.4	3032.4	3032.4	3032.4	3032.4
2.5°	3042.5	3033.2	3029.0	3028.2	3034.9
5°	3034.1	3024.8	3021.4	3019.7	3027.3
7.5°	3020.6	3010.4	3007.1	3004.5	3011.3
10°	2999.5	2989.3	2986.0	2984.3	2990.2
12.5°	2969.1	2959.8	2957.3	2954.7	2962.3
15°	2935.3	2926.0	2921.8	2919.3	2925.2
17.5°	2891.4	2883.8	2878.8	2878.8	2883.8
20°	2844.2	2834.9	2830.7	2828.1	2836.6
22.5°	2785.9	2780.0	2775.0	2770.7	2780.0
25°	2724.3	2715.9	2710.8	2709.1	2710.0
27.5°	2654.3	2648.4	2641.6	2639.1	2640.8
30°	2580.9	2573.3	2564.0	2558.9	2563.1
32.5°	2499.0	2488.0	2480.4	2475.4	2481.3
35°	2408.7	2397.7	2389.3	2381.7	2378.3
37.5°	2305.7	2302.3	2290.5	2277.0	2276.2
40°	2201.9	2192.6	2175.8	2169.8	2165.6
42.5°	2090.5	2071.1	2053.4	2036.5	2030.6
45°	1953.8	1939.4	1917.5	1897.2	1890.5
47.5°	1813.7	1795.1	1774.0	1738.6	1734.4
50°	1667.7	1640.7	1603.5	1574.0	1561.3
52.5°	1515.8	1479.5	1428.0	1402.7	1395.9
55°	1345.3	1309.0	1254.1	1235.6	1230.5
57.5°	1193.4	1140.2	1095.5	1074.4	1081.1
60°	1037.2	985.8	946.1	925.8	927.5
62.5°	884.5	844.0	814.4	795.0	797.6
65°	749.4	714.8	692.9	672.6	675.2
67.5°	616.9	600.9	584.9	573.1	566.3
70°	514.0	507.2	492.0	481.1	477.7
72.5°	420.3	424.5	411.9	408.5	407.6
75°	341.0	344.3	346.9	340.1	335.1
77.5°	272.6	277.7	287.8	278.5	276.8
80°	205.1	215.2	226.2	220.3	213.5
82.5°	143.5	156.1	166.3	158.7	155.3
85°	86.9	97.1	103.8	101.3	98.7
87.5°	38.8	42.2	45.6	46.4	44.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)