

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: P738659

Luminaire Tested: **24PT-80-PC3-L930**

Issue Date: 2/8/2024



**Test Information**

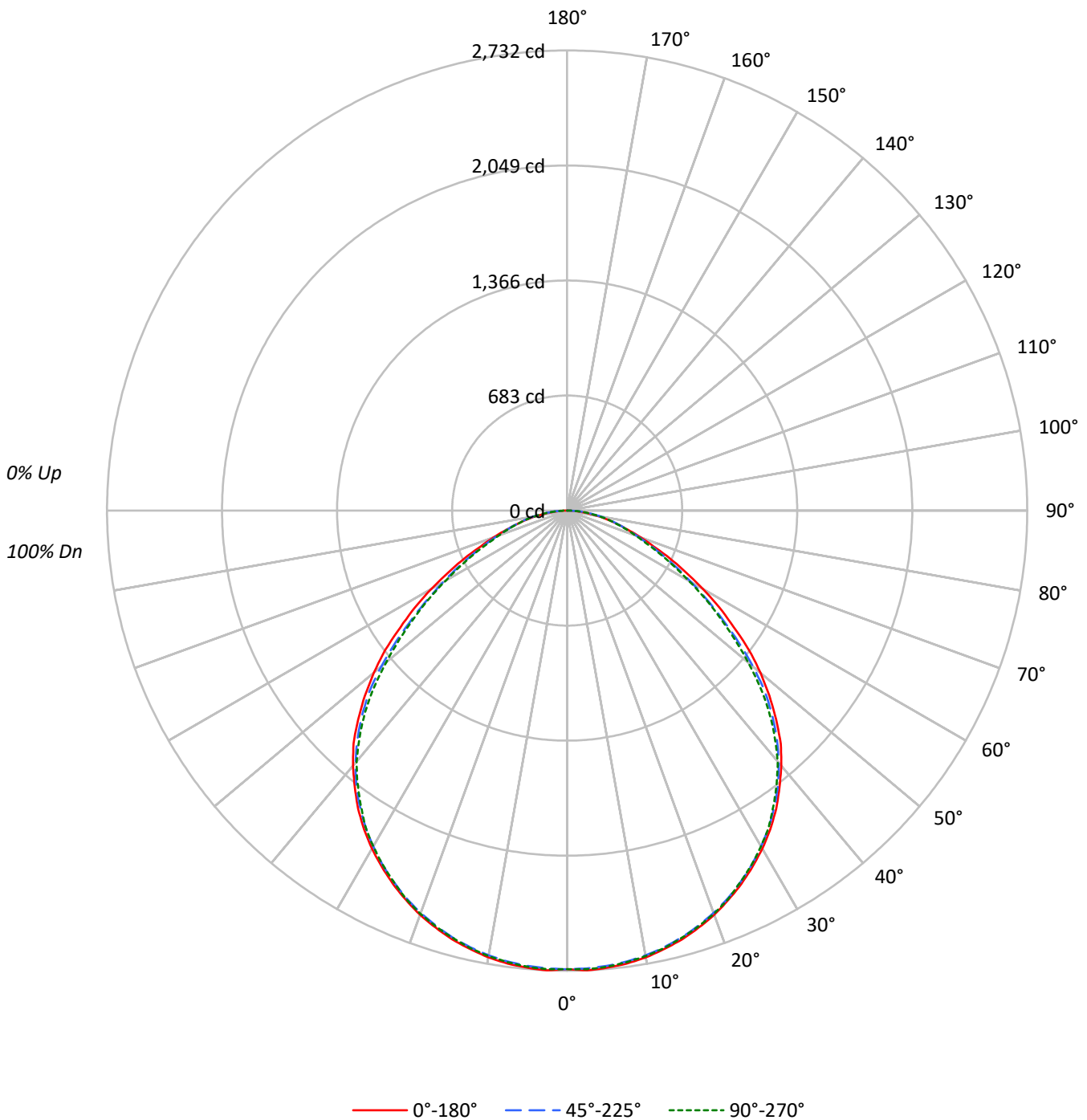
Test Method: LM-79-08  
Report Number: P738659  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-80-PC3-L930  
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6869.0 lumens  
Efficiency: N/A  
Efficacy: 100.6 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): 68.3  
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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	3905	3905	3905
5°	3922	3905	3913
10°	3922	3904	3910
15°	3913	3895	3899
20°	3897	3879	3887
25°	3871	3851	3850
30°	3837	3812	3811
35°	3786	3756	3739
40°	3701	3657	3640
45°	3558	3492	3443
50°	3341	3212	3128
55°	3020	2815	2762
60°	2671	2436	2389
65°	2283	2111	2057
70°	1935	1853	1799
75°	1696	1726	1667
80°	1521	1677	1584
85°	1285	1533	1459



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.2	3.8
10°-20°	741.1	10.8
20°-30°	1122.7	16.3
30°-40°	1340.9	19.5
40°-50°	1322.8	19.3
50°-60°	1024.0	14.9
60°-70°	629.4	9.2
70°-80°	329.8	4.8
80°-90°	100.0	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°	2122.0	30.9
0°-40°	3463.0	50.4
0°-60°	5809.8	84.6
0°-90°	6869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6869.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2723	2723	2723	2723	2723	
5°	2725	2716	2713	2712	2719	259
15°	2636	2628	2624	2622	2627	744
25°	2446	2439	2434	2433	2434	1127
35°	2163	2153	2146	2139	2136	1350
45°	1755	1742	1722	1704	1698	1350
55°	1208	1176	1126	1110	1105	1084
65°	673	642	622	604	606	671
75°	306	309	312	305	301	330
85°	78	87	93	91	89	91
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2723.2	2723.2	2723.2	2723.2	2723.2
2.5°	2732.2	2723.9	2720.1	2719.4	2725.4
5°	2724.7	2716.3	2713.3	2711.8	2718.6
7.5°	2712.5	2703.4	2700.4	2698.1	2704.2
10°	2693.6	2684.5	2681.5	2680.0	2685.3
12.5°	2666.3	2658.0	2655.7	2653.4	2660.2
15°	2636.0	2627.7	2623.9	2621.6	2626.9
17.5°	2596.6	2589.8	2585.2	2585.2	2589.8
20°	2554.1	2545.8	2542.0	2539.7	2547.3
22.5°	2501.8	2496.5	2492.0	2488.2	2496.5
25°	2446.5	2438.9	2434.4	2432.9	2433.6
27.5°	2383.6	2378.3	2372.2	2370.0	2371.5
30°	2317.7	2310.9	2302.5	2298.0	2301.8
32.5°	2244.2	2234.3	2227.5	2222.9	2228.2
35°	2163.1	2153.2	2145.6	2138.8	2135.8
37.5°	2070.6	2067.6	2057.0	2044.8	2044.1
40°	1977.4	1969.0	1953.9	1948.6	1944.8
42.5°	1877.3	1859.9	1844.0	1828.8	1823.5
45°	1754.6	1741.7	1722.0	1703.8	1697.7
47.5°	1628.7	1612.1	1593.1	1561.3	1557.5
50°	1497.6	1473.4	1440.0	1413.5	1402.1
52.5°	1361.2	1328.6	1282.4	1259.6	1253.6
55°	1208.1	1175.5	1126.2	1109.6	1105.0
57.5°	1071.7	1023.9	983.8	964.8	970.9
60°	931.5	885.2	849.6	831.4	832.9
62.5°	794.3	757.9	731.4	713.9	716.2
65°	673.0	641.9	622.2	604.1	606.3
67.5°	554.0	539.6	525.2	514.6	508.6
70°	461.6	455.5	441.9	432.0	429.0
72.5°	377.4	381.2	369.9	366.8	366.1
75°	306.2	309.2	311.5	305.4	300.9
77.5°	244.8	249.4	258.4	250.1	248.6
80°	184.2	193.3	203.1	197.8	191.8
82.5°	128.8	140.2	149.3	142.5	139.5
85°	78.1	87.2	93.2	90.9	88.7
87.5°	34.9	37.9	40.9	41.7	40.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)