

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: P738667

Luminaire Tested: **24PT-80-PL1-L930**

Issue Date: 2/8/2024



**Test Information**

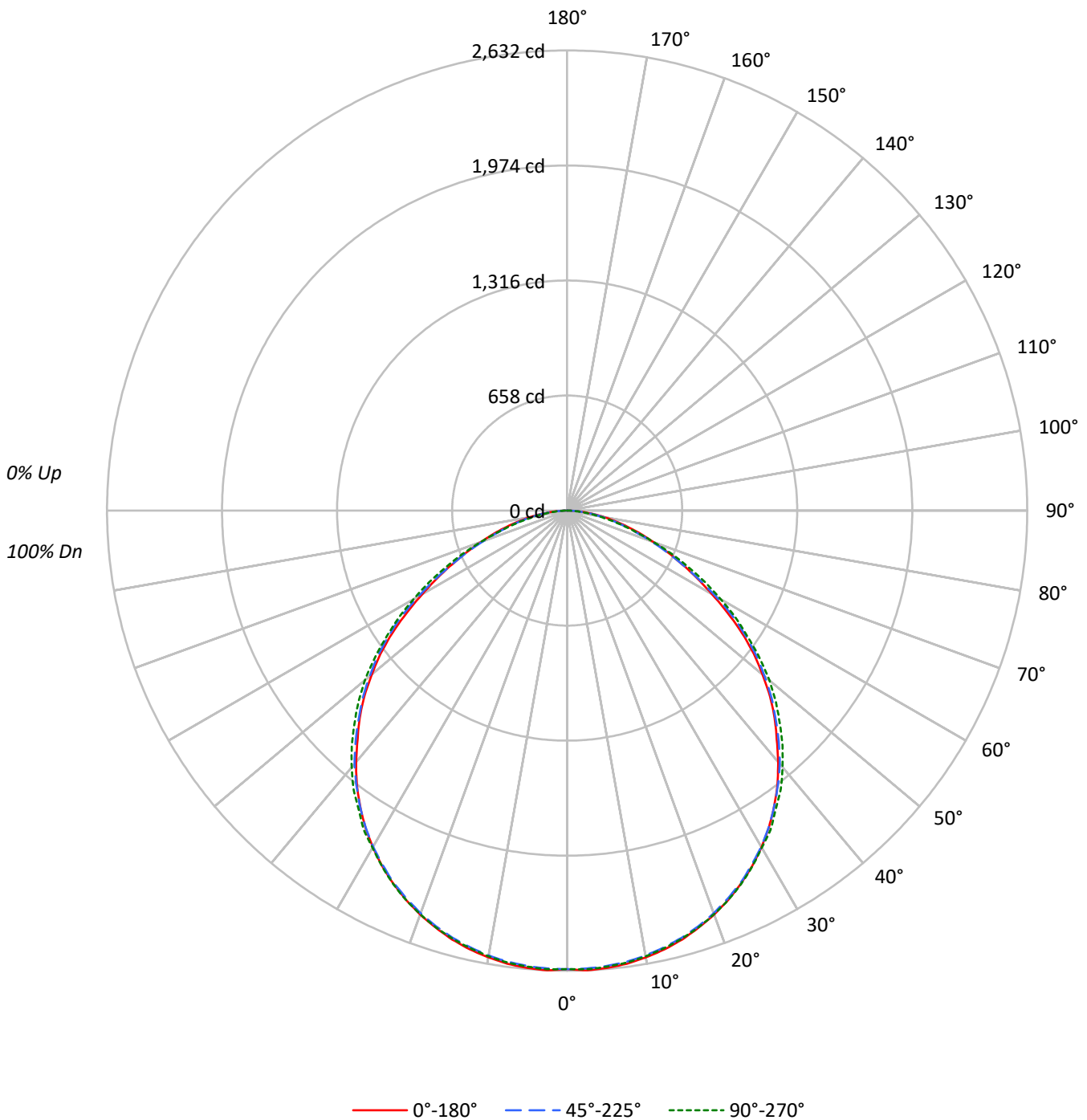
Test Method: LM-79-08  
Report Number: P738667  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-80-PL1-L930  
Description: 8000 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: 6943.0 lumens  
Efficiency: N/A  
Efficacy: 101.7 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): 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	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°	3761	3761	3761
5°	3780	3763	3769
10°	3777	3762	3769
15°	3771	3755	3763
20°	3752	3740	3749
25°	3724	3716	3728
30°	3680	3675	3688
35°	3614	3615	3642
40°	3514	3541	3589
45°	3405	3420	3487
50°	3253	3290	3369
55°	3053	3110	3157
60°	2742	2809	2912
65°	2453	2458	2591
70°	2187	2127	2203
75°	1976	1859	1825
80°	1755	1637	1444
85°	1440	1364	1129



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.8	3.6
10°-20°	714.4	10.3
20°-30°	1082.4	15.6
30°-40°	1293.5	18.6
40°-50°	1304.8	18.8
50°-60°	1107.0	15.9
60°-70°	732.5	10.5
70°-80°	363.5	5.2
80°-90°	96.2	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°	2045.6	29.5
0°-40°	3339.1	48.1
0°-60°	5750.9	82.8
0°-90°	6943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6943.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2623	2623	2623	2623	2623	
5°	2626	2617	2615	2613	2618	250
15°	2540	2532	2530	2530	2535	717
25°	2354	2349	2349	2348	2356	1084
35°	2064	2061	2065	2076	2081	1290
45°	1679	1677	1687	1709	1720	1292
55°	1221	1224	1244	1255	1263	1086
65°	723	722	725	747	764	722
75°	357	347	336	325	330	382
85°	88	88	83	76	69	104
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2623.0	2623.0	2623.0	2623.0	2623.0
2.5°	2632.1	2623.8	2621.5	2620.0	2626.1
5°	2626.1	2617.0	2614.7	2613.2	2618.5
7.5°	2614.0	2604.2	2602.7	2601.2	2608.0
10°	2594.4	2585.3	2583.8	2582.3	2588.4
12.5°	2571.0	2562.0	2558.9	2559.7	2563.5
15°	2540.1	2531.8	2529.5	2529.5	2534.8
17.5°	2501.6	2494.1	2492.6	2491.8	2498.6
20°	2458.7	2451.1	2451.1	2453.4	2457.2
22.5°	2409.7	2404.4	2401.4	2402.9	2410.4
25°	2353.9	2348.6	2348.6	2347.8	2356.1
27.5°	2292.0	2285.3	2285.3	2291.3	2294.3
30°	2222.7	2216.7	2219.7	2224.2	2227.2
32.5°	2148.0	2144.3	2146.5	2153.3	2165.4
35°	2064.4	2061.3	2065.1	2076.4	2080.9
37.5°	1976.9	1974.6	1979.9	1995.0	2007.8
40°	1877.4	1877.4	1891.7	1905.3	1917.3
42.5°	1774.1	1780.9	1791.4	1812.5	1823.1
45°	1679.1	1676.8	1686.6	1709.2	1719.8
47.5°	1573.5	1571.3	1585.6	1601.4	1618.8
50°	1458.2	1457.4	1474.8	1488.3	1510.2
52.5°	1345.8	1352.6	1363.9	1376.0	1388.8
55°	1221.4	1224.4	1244.0	1255.3	1262.9
57.5°	1087.2	1097.0	1121.1	1137.7	1144.5
60°	956.0	962.1	979.4	1008.8	1015.6
62.5°	836.9	839.2	849.7	882.9	891.9
65°	723.1	721.5	724.6	747.2	763.8
67.5°	619.8	613.7	613.7	625.8	646.1
70°	521.7	512.7	507.4	511.2	525.5
72.5°	439.6	427.5	413.9	411.7	420.7
75°	356.6	346.8	335.5	325.0	329.5
77.5°	284.2	276.0	265.4	253.3	247.3
80°	212.6	209.6	198.3	187.0	174.9
82.5°	148.5	146.3	138.7	129.7	122.1
85°	87.5	87.5	82.9	76.2	68.6
87.5°	39.2	37.7	39.2	33.2	30.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)