

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: P738671

Luminaire Tested: **24PT-80-PR1-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738671  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-80-PR1-L830  
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -  
Ballast/Driver: -

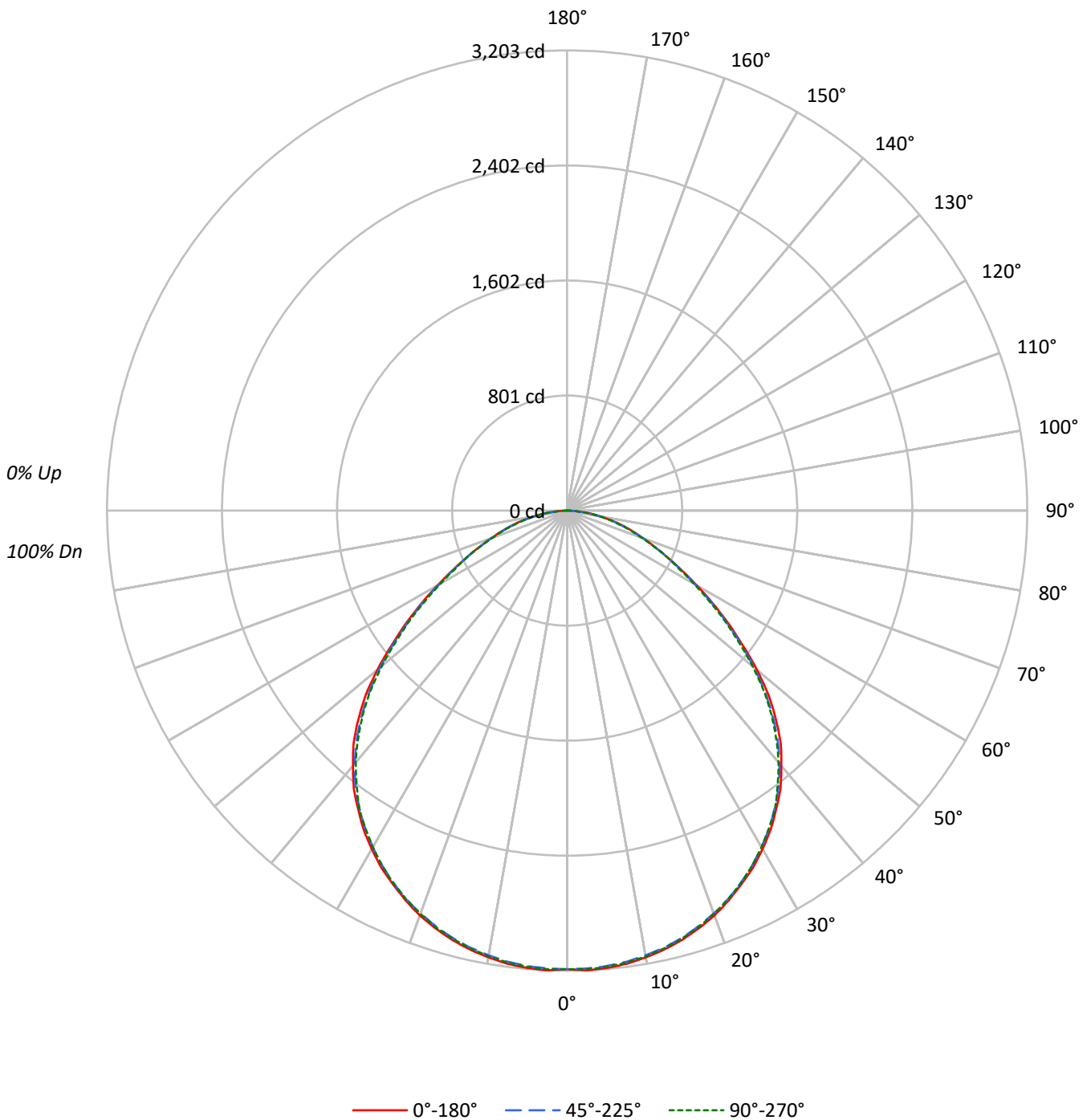
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8131.0 lumens  
Efficiency: N/A  
Efficacy: 119.0 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

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

	0°	45°	90°
0°	4578	4578	4578
5°	4599	4580	4588
10°	4598	4576	4586
15°	4591	4571	4579
20°	4577	4553	4558
25°	4539	4525	4528
30°	4504	4479	4479
35°	4442	4415	4420
40°	4341	4304	4286
45°	4168	4101	4079
50°	3847	3792	3756
55°	3425	3376	3353
60°	2986	2952	2922
65°	2616	2619	2604
70°	2354	2346	2313
75°	2192	2128	2133
80°	1958	1921	1921
85°	1510	1555	1495



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.8	3.7
10°-20°	869.7	10.7
20°-30°	1318.5	16.2
30°-40°	1577.0	19.4
40°-50°	1557.0	19.1
50°-60°	1211.9	14.9
60°-70°	769.4	9.5
70°-80°	412.9	5.1
80°-90°	111.9	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°	2491.0	30.6
0°-40°	4067.9	50.0
0°-60°	6836.8	84.1
0°-90°	8131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8131.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3193	3193	3193	3193	3193	
5°	3195	3186	3182	3180	3187	304
15°	3093	3082	3080	3076	3085	873
25°	2869	2864	2860	2855	2862	1323
35°	2538	2532	2522	2514	2525	1587
45°	2055	2041	2022	2013	2012	1578
55°	1370	1363	1350	1341	1341	1227
65°	771	774	772	762	767	774
75°	396	390	384	383	385	418
85°	92	94	94	94	91	113
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3192.7	3192.7	3192.7	3192.7	3192.7
2.5°	3203.4	3192.7	3189.1	3187.4	3195.4
5°	3195.4	3185.6	3182.0	3180.2	3187.4
7.5°	3182.0	3170.4	3166.9	3165.1	3173.1
10°	3157.9	3147.2	3142.8	3142.8	3149.9
12.5°	3129.4	3120.5	3116.1	3112.5	3120.5
15°	3092.9	3082.2	3079.5	3075.9	3084.9
17.5°	3049.2	3038.5	3034.9	3033.2	3039.4
20°	2999.3	2985.9	2984.1	2983.2	2986.8
22.5°	2937.8	2930.7	2927.1	2925.3	2928.0
25°	2869.2	2863.8	2860.2	2854.9	2862.0
27.5°	2802.3	2795.2	2786.3	2781.8	2786.3
30°	2720.3	2711.4	2705.2	2703.4	2705.2
32.5°	2635.6	2626.7	2618.7	2617.8	2616.9
35°	2537.6	2532.2	2522.4	2514.4	2525.1
37.5°	2440.4	2428.0	2419.0	2409.2	2406.6
40°	2319.2	2314.8	2299.6	2290.7	2289.8
42.5°	2201.6	2181.1	2170.4	2164.1	2154.3
45°	2055.4	2041.1	2022.4	2012.6	2011.7
47.5°	1903.0	1885.1	1867.3	1853.9	1857.5
50°	1724.7	1716.7	1699.7	1688.2	1683.7
52.5°	1541.1	1539.3	1521.5	1514.4	1506.3
55°	1370.0	1362.8	1350.3	1341.4	1341.4
57.5°	1201.5	1195.3	1189.0	1172.1	1172.1
60°	1041.1	1040.2	1029.5	1019.7	1018.8
62.5°	897.6	902.9	893.1	883.3	877.9
65°	771.0	773.7	771.9	762.1	767.4
67.5°	659.6	660.5	656.9	651.6	655.1
70°	561.5	566.0	559.7	556.2	551.7
72.5°	476.0	474.2	468.8	471.5	465.3
75°	395.7	389.5	384.2	383.3	385.0
77.5°	315.5	313.7	309.3	309.3	306.6
80°	237.1	235.3	232.6	233.5	232.6
82.5°	168.5	164.0	160.4	162.2	163.1
85°	91.8	93.6	94.5	94.5	90.9
87.5°	37.4	36.5	37.4	39.2	40.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)