

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: P738672

Luminaire Tested: **24PT-80-PR1-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738672  
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-L835  
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

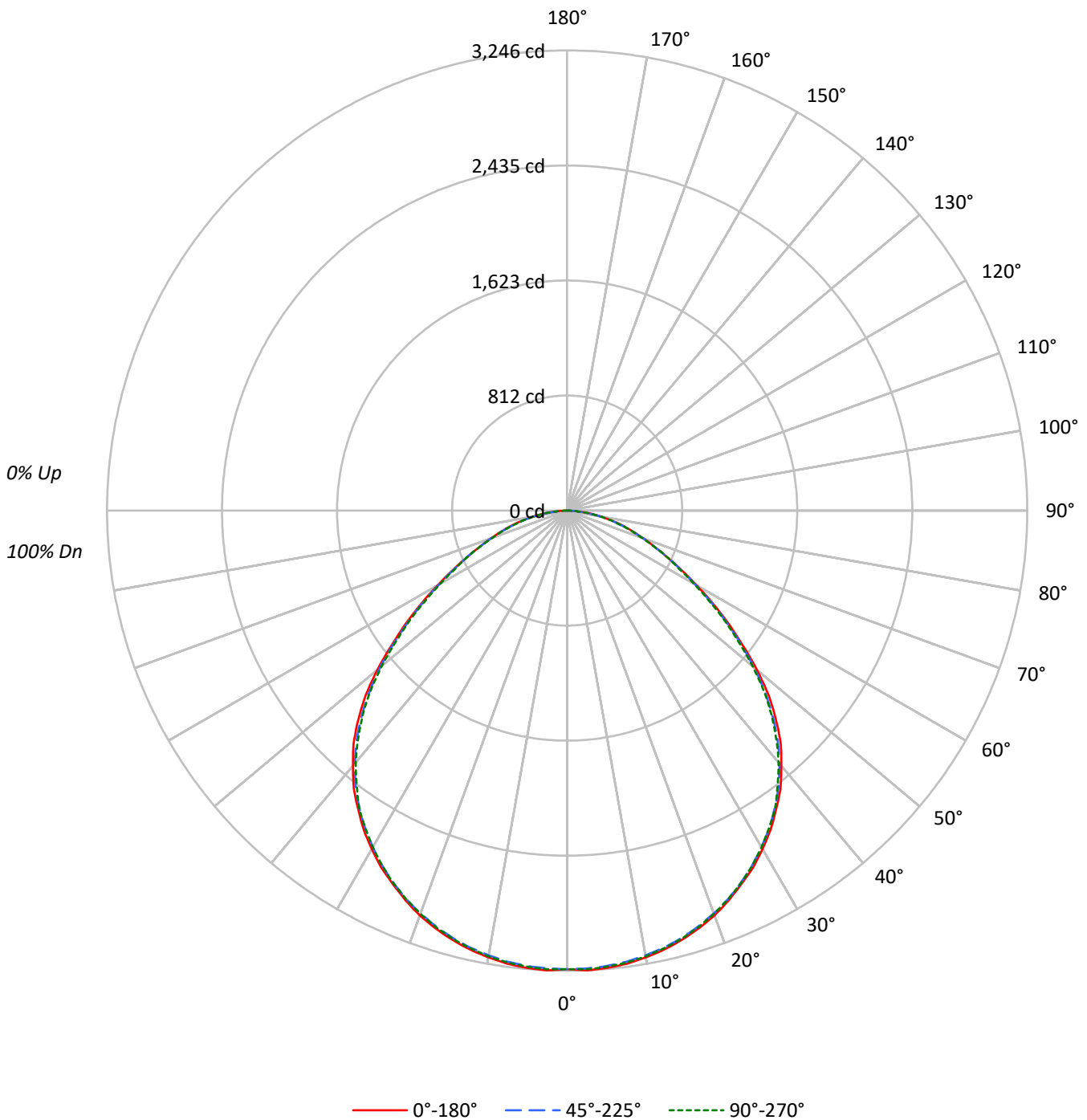
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8240.0 lumens  
Efficiency: N/A  
Efficacy: 120.6 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°	4639	4639	4639
5°	4661	4641	4649
10°	4660	4637	4648
15°	4653	4633	4641
20°	4638	4614	4619
25°	4600	4586	4589
30°	4564	4539	4539
35°	4501	4474	4479
40°	4399	4362	4343
45°	4224	4156	4134
50°	3899	3842	3806
55°	3471	3421	3398
60°	3025	2992	2961
65°	2651	2654	2639
70°	2386	2378	2344
75°	2222	2157	2162
80°	1984	1947	1947
85°	1530	1574	1515



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.9	3.7
10°-20°	881.3	10.7
20°-30°	1336.2	16.2
30°-40°	1598.1	19.4
40°-50°	1577.9	19.1
50°-60°	1228.2	14.9
60°-70°	779.7	9.5
70°-80°	418.4	5.1
80°-90°	113.4	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°	2524.3	30.6
0°-40°	4122.4	50.0
0°-60°	6928.5	84.1
0°-90°	8240.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8240.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3236	3236	3236	3236	3236	
5°	3238	3228	3225	3223	3230	308
15°	3134	3124	3121	3117	3126	885
25°	2908	2902	2899	2893	2900	1341
35°	2572	2566	2556	2548	2559	1608
45°	2083	2068	2050	2040	2039	1599
55°	1388	1381	1368	1359	1359	1243
65°	781	784	782	772	778	784
75°	401	395	389	388	390	424
85°	93	95	96	96	92	115
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3235.5	3235.5	3235.5	3235.5	3235.5
2.5°	3246.3	3235.5	3231.9	3230.1	3238.2
5°	3238.2	3228.3	3224.7	3222.9	3230.1
7.5°	3224.7	3212.9	3209.3	3207.5	3215.6
10°	3200.3	3189.4	3184.9	3184.9	3192.1
12.5°	3171.4	3162.3	3157.8	3154.2	3162.3
15°	3134.3	3123.5	3120.8	3117.2	3126.2
17.5°	3090.1	3079.2	3075.6	3073.8	3080.1
20°	3039.5	3025.9	3024.1	3023.2	3026.8
22.5°	2977.2	2969.9	2966.3	2964.5	2967.2
25°	2907.6	2902.2	2898.6	2893.2	2900.4
27.5°	2839.9	2832.6	2823.6	2819.1	2823.6
30°	2756.8	2747.7	2741.4	2739.6	2741.4
32.5°	2671.0	2661.9	2653.8	2652.9	2652.0
35°	2571.6	2566.2	2556.2	2548.1	2559.0
37.5°	2473.1	2460.5	2451.5	2441.5	2438.8
40°	2350.3	2345.8	2330.4	2321.4	2320.5
42.5°	2231.1	2210.3	2199.5	2193.1	2183.2
45°	2082.9	2068.5	2049.5	2039.6	2038.7
47.5°	1928.5	1910.4	1892.3	1878.8	1882.4
50°	1747.8	1739.7	1722.5	1710.8	1706.3
52.5°	1561.7	1559.9	1541.9	1534.7	1526.5
55°	1388.3	1381.1	1368.5	1359.4	1359.4
57.5°	1217.6	1211.3	1205.0	1187.8	1187.8
60°	1055.0	1054.1	1043.3	1033.3	1032.4
62.5°	909.6	915.0	905.1	895.1	889.7
65°	781.3	784.0	782.2	772.3	777.7
67.5°	668.4	669.3	665.7	660.3	663.9
70°	569.1	573.6	567.3	563.6	559.1
72.5°	482.3	480.5	475.1	477.8	471.5
75°	401.1	394.7	389.3	388.4	390.2
77.5°	319.8	318.0	313.4	313.4	310.7
80°	240.3	238.5	235.8	236.7	235.8
82.5°	170.7	166.2	162.6	164.4	165.3
85°	93.0	94.8	95.7	95.7	92.1
87.5°	37.9	37.0	37.9	39.7	40.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)