

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: P738610

Luminaire Tested: **24PT-60-PR1-L850**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738610  
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-60-PR1-L850  
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

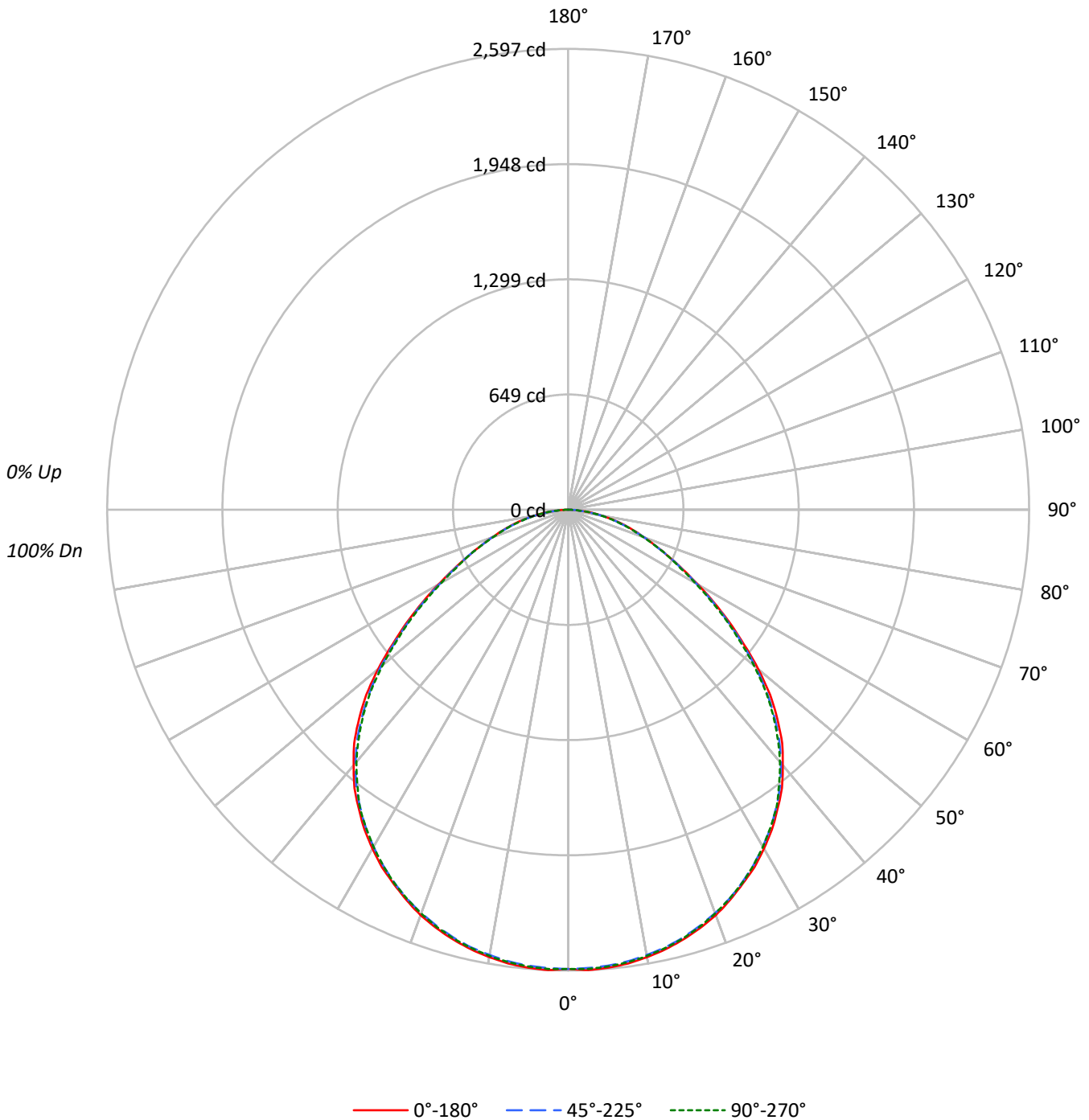
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6592.0 lumens  
Efficiency: N/A  
Efficacy: 130.0 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): 50.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3711	3711	3711
5°	3729	3713	3719
10°	3728	3710	3718
15°	3722	3706	3713
20°	3710	3692	3695
25°	3680	3669	3671
30°	3651	3631	3631
35°	3601	3580	3583
40°	3519	3490	3475
45°	3379	3325	3307
50°	3119	3074	3045
55°	2777	2737	2719
60°	2420	2393	2368
65°	2121	2123	2111
70°	1908	1902	1875
75°	1777	1725	1730
80°	1587	1557	1557
85°	1224	1260	1212



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.5	3.7
10°-20°	705.1	10.7
20°-30°	1068.9	16.2
30°-40°	1278.5	19.4
40°-50°	1262.3	19.1
50°-60°	982.5	14.9
60°-70°	623.7	9.5
70°-80°	334.7	5.1
80°-90°	90.8	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°	2019.5	30.6
0°-40°	3298.0	50.0
0°-60°	5542.8	84.1
0°-90°	6592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6592.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2588	2588	2588	2588	2588	
5°	2591	2583	2580	2578	2584	246
15°	2508	2499	2497	2494	2501	708
25°	2326	2322	2319	2314	2320	1073
35°	2057	2053	2045	2038	2047	1286
45°	1666	1655	1640	1632	1631	1279
55°	1111	1105	1095	1088	1088	995
65°	625	627	626	618	622	627
75°	321	316	311	311	312	339
85°	74	76	77	77	74	92
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2588.4	2588.4	2588.4	2588.4	2588.4
2.5°	2597.1	2588.4	2585.5	2584.1	2590.6
5°	2590.6	2582.6	2579.7	2578.3	2584.1
7.5°	2579.7	2570.3	2567.4	2566.0	2572.5
10°	2560.2	2551.6	2547.9	2547.9	2553.7
12.5°	2537.1	2529.9	2526.3	2523.4	2529.9
15°	2507.5	2498.8	2496.6	2493.7	2501.0
17.5°	2472.1	2463.4	2460.5	2459.1	2464.1
20°	2431.6	2420.8	2419.3	2418.6	2421.5
22.5°	2381.7	2376.0	2373.1	2371.6	2373.8
25°	2326.1	2321.8	2318.9	2314.5	2320.3
27.5°	2271.9	2266.1	2258.9	2255.3	2258.9
30°	2205.4	2198.2	2193.1	2191.7	2193.1
32.5°	2136.8	2129.5	2123.0	2122.3	2121.6
35°	2057.3	2052.9	2045.0	2038.5	2047.2
37.5°	1978.5	1968.4	1961.2	1953.2	1951.1
40°	1880.2	1876.6	1864.3	1857.1	1856.4
42.5°	1784.9	1768.2	1759.6	1754.5	1746.6
45°	1666.3	1654.8	1639.6	1631.7	1630.9
47.5°	1542.8	1528.3	1513.9	1503.0	1505.9
50°	1398.3	1391.8	1378.0	1368.6	1365.0
52.5°	1249.4	1248.0	1233.5	1227.7	1221.2
55°	1110.7	1104.9	1094.8	1087.5	1087.5
57.5°	974.1	969.0	964.0	950.2	950.2
60°	844.0	843.3	834.6	826.7	825.9
62.5°	727.7	732.0	724.1	716.1	711.8
65°	625.1	627.2	625.8	617.8	622.2
67.5°	534.7	535.5	532.6	528.2	531.1
70°	455.2	458.9	453.8	450.9	447.3
72.5°	385.9	384.4	380.1	382.3	377.2
75°	320.8	315.8	311.4	310.7	312.2
77.5°	255.8	254.4	250.7	250.7	248.6
80°	192.2	190.8	188.6	189.3	188.6
82.5°	136.6	133.0	130.1	131.5	132.2
85°	74.4	75.9	76.6	76.6	73.7
87.5°	30.3	29.6	30.3	31.8	32.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)