

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: P738618

Luminaire Tested: **24PT-60-PW1-L850**

Issue Date: 2/8/2024



**Test Information**

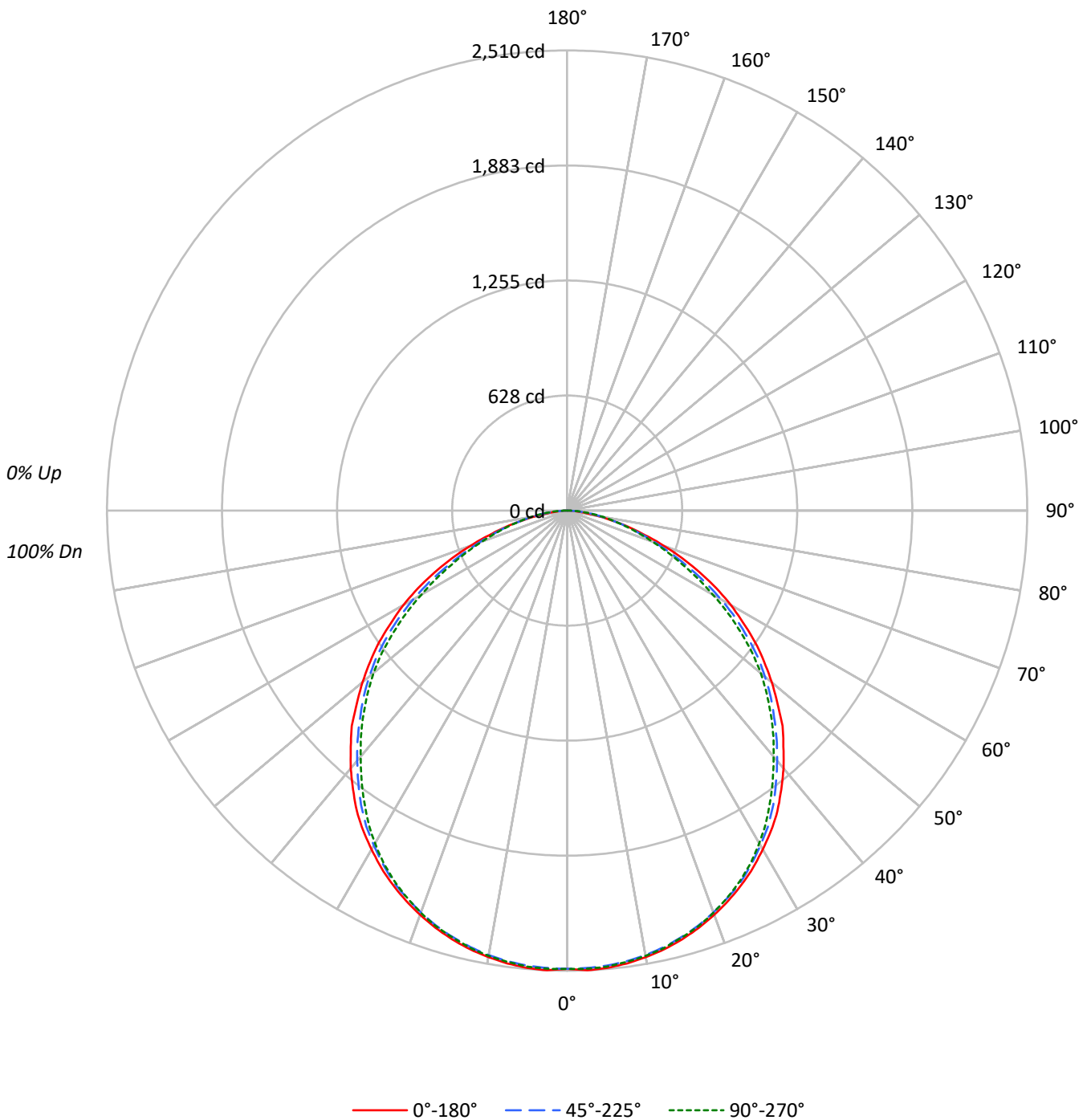
Test Method: LM-79-08  
Report Number: P738618  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-60-PW1-L850  
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6665.0 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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

TEST NUMBER: P738618  
CATALOG NUMBER: 24PT-60-PW1-L850

### Luminous Intensity Polar Plot





TEST NUMBER: P738618

CATALOG NUMBER: 24PT-60-PW1-L850

**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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	3584	3584	3584
5°	3604	3586	3594
10°	3602	3585	3591
15°	3595	3575	3580
20°	3580	3559	3562
25°	3561	3541	3527
30°	3533	3492	3471
35°	3501	3430	3383
40°	3437	3335	3280
45°	3369	3238	3186
50°	3250	3140	3074
55°	3131	2997	2889
60°	2959	2777	2634
65°	2709	2474	2346
70°	2348	2145	2066
75°	1922	1850	1825
80°	1402	1581	1629
85°	939	1319	1403



TEST NUMBER: P738618

CATALOG NUMBER: 24PT-60-PW1-L850

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.1	3.6
10°-20°	680.6	10.2
20°-30°	1030.0	15.5
30°-40°	1225.6	18.4
40°-50°	1238.0	18.6
50°-60°	1071.2	16.1
60°-70°	731.8	11.0
70°-80°	360.6	5.4
80°-90°	90.1	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°	1947.7	29.2
0°-40°	3173.3	47.6
0°-60°	5482.5	82.3
0°-90°	6665.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6665.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2500	2500	2500	2500	2500	
5°	2504	2495	2492	2490	2497	238
15°	2422	2414	2409	2407	2412	683
25°	2251	2242	2238	2229	2229	1037
35°	2000	1984	1960	1938	1932	1249
45°	1661	1633	1597	1579	1571	1276
55°	1252	1235	1199	1174	1156	1115
65°	798	768	729	705	692	789
75°	347	337	334	332	330	371
85°	57	71	80	83	85	73
90°	0	0	0	0	0	



TEST NUMBER: P738618

CATALOG NUMBER: 24PT-60-PW1-L850

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2499.6	2499.6	2499.6	2499.6	2499.6
2.5°	2509.7	2500.4	2497.5	2495.3	2501.8
5°	2504.0	2494.6	2491.7	2489.5	2496.7
7.5°	2491.7	2482.3	2479.4	2477.2	2483.0
10°	2473.6	2464.9	2462.1	2459.9	2466.4
12.5°	2450.5	2442.5	2438.9	2436.0	2443.3
15°	2421.6	2413.6	2408.6	2407.1	2411.5
17.5°	2386.9	2379.0	2375.3	2373.2	2378.2
20°	2346.4	2337.8	2332.7	2329.8	2334.1
22.5°	2301.6	2293.0	2286.5	2283.6	2285.0
25°	2251.0	2242.4	2238.0	2229.4	2229.4
27.5°	2196.8	2186.7	2175.9	2166.5	2167.2
30°	2134.0	2122.4	2109.4	2097.1	2096.4
32.5°	2070.4	2055.9	2040.0	2023.4	2018.4
35°	2000.3	1983.7	1959.8	1938.1	1932.4
37.5°	1917.9	1902.7	1870.9	1852.9	1843.5
40°	1836.2	1814.6	1782.0	1761.1	1752.4
42.5°	1746.6	1725.7	1691.0	1671.5	1664.3
45°	1661.4	1633.2	1597.0	1579.0	1571.0
47.5°	1555.1	1532.0	1506.7	1485.8	1475.6
50°	1456.9	1438.1	1407.7	1384.6	1378.1
52.5°	1354.2	1338.3	1309.4	1279.1	1271.9
55°	1252.3	1235.0	1198.9	1173.6	1155.5
57.5°	1137.4	1122.3	1088.3	1055.8	1039.9
60°	1031.9	1005.9	968.3	932.9	918.5
62.5°	917.0	891.7	848.4	812.3	804.3
65°	798.5	768.2	729.1	705.3	691.6
67.5°	678.6	648.9	616.4	601.2	592.6
70°	560.1	536.2	511.6	500.8	492.8
72.5°	445.9	432.1	418.4	414.1	406.8
75°	346.9	336.8	333.9	331.7	329.5
77.5°	250.0	255.1	258.0	260.9	258.0
80°	169.8	180.7	191.5	197.3	197.3
82.5°	104.8	123.6	133.0	138.7	138.0
85°	57.1	70.8	80.2	83.1	85.3
87.5°	23.1	28.9	32.5	35.4	36.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)