

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: P738627

Luminaire Tested: **24PT-72-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-72-PC3-L930
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

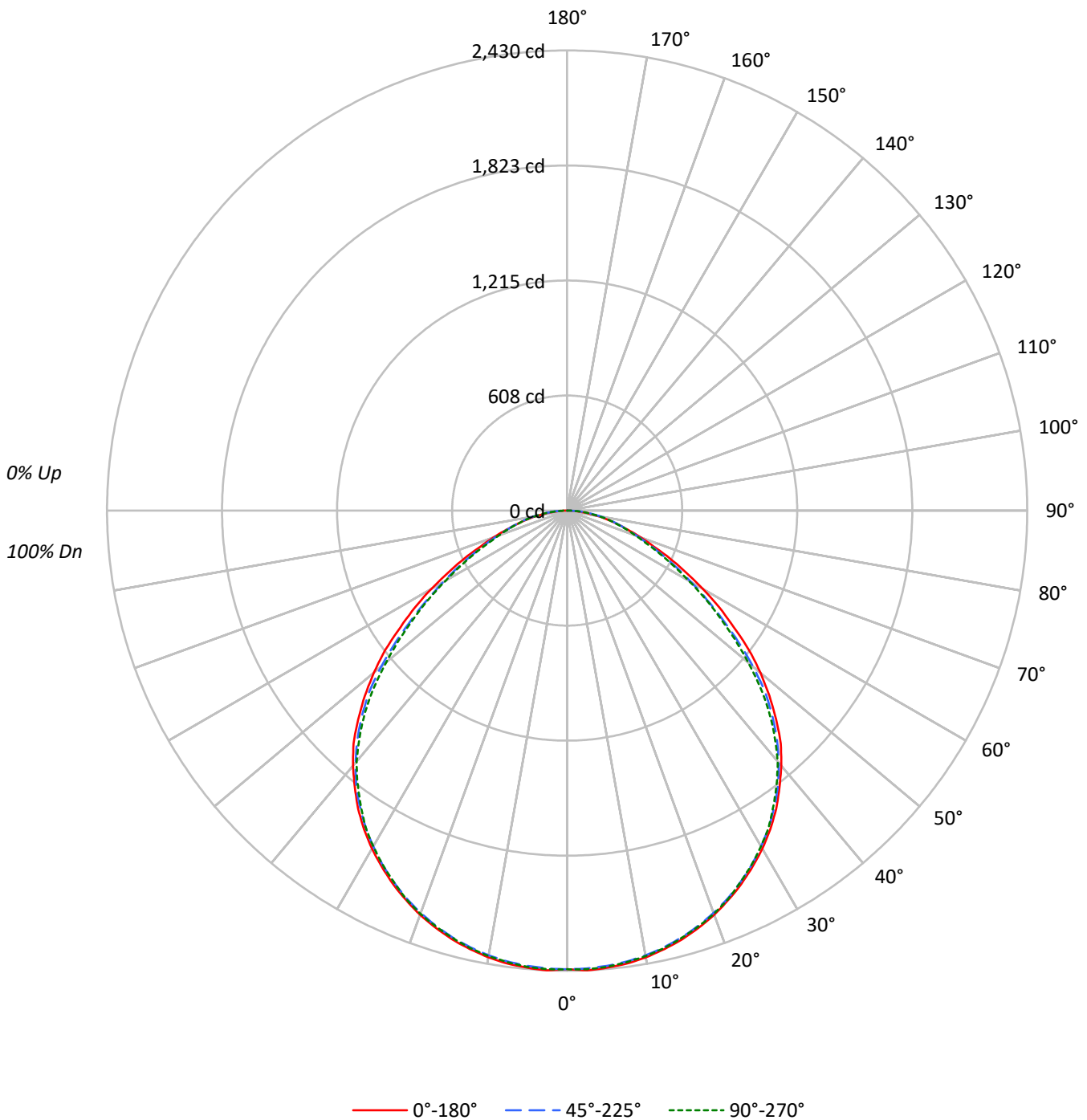
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6110.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 60.1
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	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3473	3473	3473
5°	3488	3474	3481
10°	3489	3473	3478
15°	3481	3465	3469
20°	3467	3450	3457
25°	3443	3426	3425
30°	3413	3391	3390
35°	3368	3341	3325
40°	3292	3253	3238
45°	3165	3106	3062
50°	2972	2857	2782
55°	2686	2504	2457
60°	2376	2167	2125
65°	2031	1878	1830
70°	1721	1648	1600
75°	1509	1535	1483
80°	1353	1492	1409
85°	1142	1364	1298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.7	3.8
10°-20°	659.2	10.8
20°-30°	998.6	16.3
30°-40°	1192.8	19.5
40°-50°	1176.6	19.3
50°-60°	910.9	14.9
60°-70°	559.9	9.2
70°-80°	293.4	4.8
80°-90°	88.9	1.5
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°	1887.5	30.9
0°-40°	3080.3	50.4
0°-60°	5167.8	84.6
0°-90°	6110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6110.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2422	2422	2422	2422	2422	
5°	2424	2416	2414	2412	2418	230
15°	2345	2337	2334	2332	2337	662
25°	2176	2169	2165	2164	2165	1003
35°	1924	1915	1908	1902	1900	1201
45°	1561	1549	1532	1516	1510	1201
55°	1075	1046	1002	987	983	964
65°	599	571	554	537	539	597
75°	272	275	277	272	268	293
85°	69	78	83	81	79	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2422.3	2422.3	2422.3	2422.3	2422.3
2.5°	2430.3	2422.9	2419.6	2418.9	2424.3
5°	2423.6	2416.2	2413.5	2412.1	2418.2
7.5°	2412.8	2404.7	2402.0	2400.0	2405.4
10°	2396.0	2387.9	2385.2	2383.8	2388.5
12.5°	2371.7	2364.3	2362.3	2360.2	2366.3
15°	2344.7	2337.3	2333.9	2331.9	2336.6
17.5°	2309.7	2303.6	2299.6	2299.6	2303.6
20°	2271.9	2264.5	2261.1	2259.1	2265.9
22.5°	2225.4	2220.7	2216.6	2213.3	2220.7
25°	2176.2	2169.4	2165.4	2164.1	2164.7
27.5°	2120.2	2115.5	2110.1	2108.1	2109.4
30°	2061.6	2055.5	2048.1	2044.1	2047.4
32.5°	1996.2	1987.4	1981.4	1977.3	1982.0
35°	1924.1	1915.3	1908.5	1902.5	1899.8
37.5°	1841.8	1839.1	1829.7	1818.9	1818.2
40°	1758.9	1751.5	1738.0	1733.3	1729.9
42.5°	1669.9	1654.4	1640.2	1626.7	1622.0
45°	1560.7	1549.2	1531.7	1515.5	1510.1
47.5°	1448.8	1433.9	1417.1	1388.8	1385.4
50°	1332.1	1310.6	1280.9	1257.3	1247.2
52.5°	1210.8	1181.8	1140.7	1120.5	1115.1
55°	1074.6	1045.6	1001.8	987.0	982.9
57.5°	953.3	910.8	875.1	858.2	863.6
60°	828.5	787.4	755.7	739.6	740.9
62.5°	706.5	674.2	650.6	635.1	637.1
65°	598.7	571.0	553.5	537.3	539.3
67.5°	492.8	480.0	467.2	457.8	452.4
70°	410.6	405.2	393.0	384.3	381.6
72.5°	335.7	339.1	329.0	326.3	325.6
75°	272.4	275.1	277.1	271.7	267.6
77.5°	217.8	221.8	229.9	222.5	221.1
80°	163.8	171.9	180.7	176.0	170.6
82.5°	114.6	124.7	132.8	126.7	124.0
85°	69.4	77.5	82.9	80.9	78.9
87.5°	31.0	33.7	36.4	37.1	35.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)