

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: P738628

Luminaire Tested: **24PT-72-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738628
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-L935
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

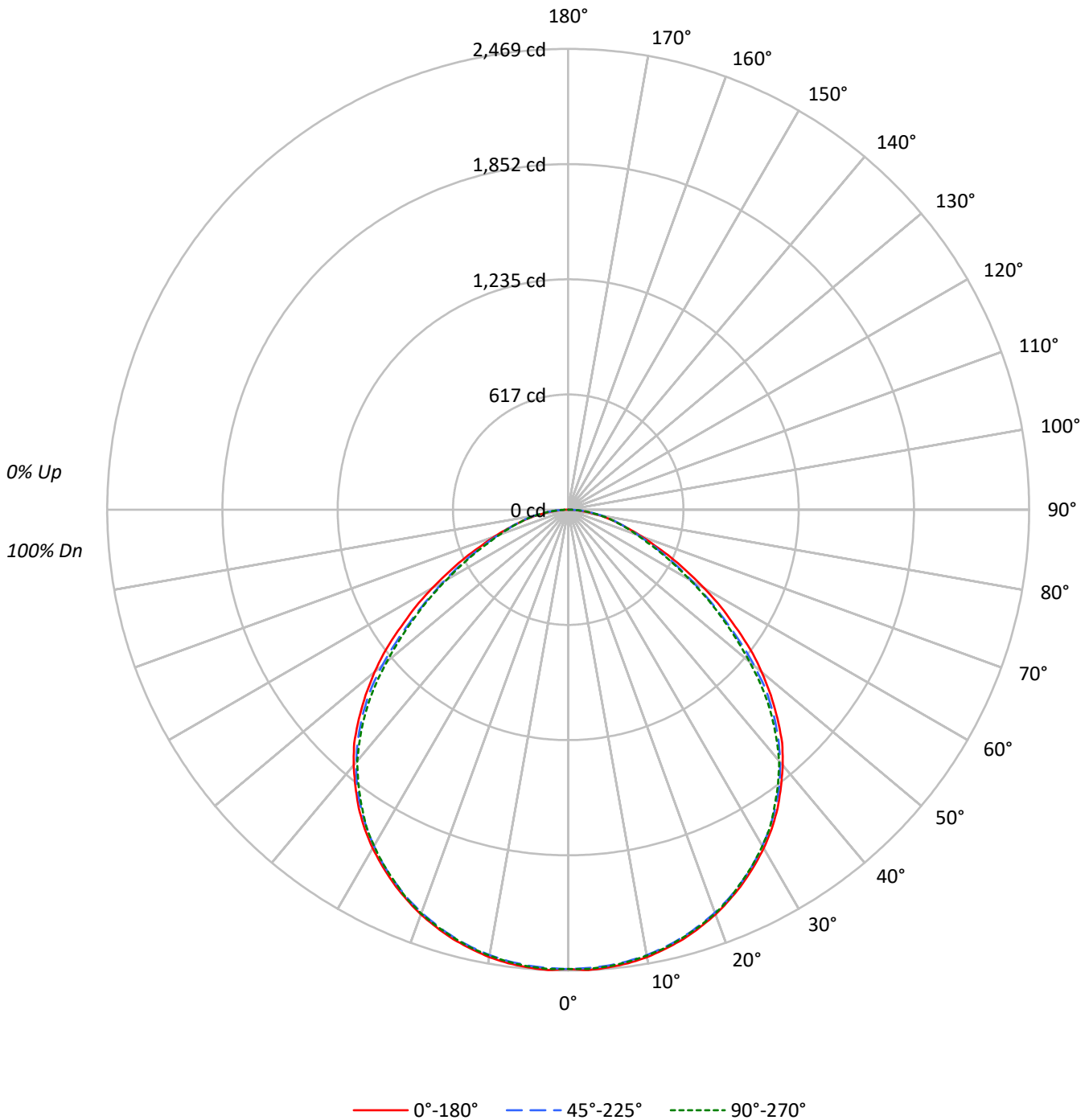
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6207.0 lumens
Efficiency: N/A
Efficacy: 103.3 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 (A_{in}): 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°	3528	3528	3528
5°	3544	3529	3536
10°	3544	3528	3533
15°	3536	3520	3524
20°	3522	3505	3512
25°	3498	3480	3479
30°	3467	3445	3444
35°	3421	3394	3378
40°	3344	3305	3289
45°	3215	3155	3111
50°	3019	2903	2826
55°	2729	2544	2496
60°	2414	2202	2159
65°	2064	1908	1859
70°	1749	1674	1625
75°	1533	1560	1506
80°	1374	1515	1431
85°	1160	1385	1318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.3	3.8
10°-20°	669.7	10.8
20°-30°	1014.5	16.3
30°-40°	1211.7	19.5
40°-50°	1195.3	19.3
50°-60°	925.3	14.9
60°-70°	568.8	9.2
70°-80°	298.0	4.8
80°-90°	90.3	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°	1917.5	30.9
0°-40°	3129.2	50.4
0°-60°	5249.9	84.6
0°-90°	6207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2461	2461	2461	2461	2461	
5°	2462	2454	2452	2450	2457	234
15°	2382	2374	2371	2369	2374	672
25°	2211	2204	2200	2198	2199	1018
35°	1955	1946	1939	1933	1930	1220
45°	1586	1574	1556	1540	1534	1220
55°	1092	1062	1018	1003	998	980
65°	608	580	562	546	548	607
75°	277	279	282	276	272	298
85°	70	79	84	82	80	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2460.7	2460.7	2460.7	2460.7	2460.7
2.5°	2468.9	2461.4	2458.0	2457.3	2462.8
5°	2462.1	2454.5	2451.8	2450.4	2456.6
7.5°	2451.1	2442.9	2440.2	2438.1	2443.6
10°	2434.0	2425.8	2423.0	2421.7	2426.5
12.5°	2409.3	2401.8	2399.8	2397.7	2403.9
15°	2382.0	2374.4	2371.0	2368.9	2373.7
17.5°	2346.3	2340.2	2336.1	2336.1	2340.2
20°	2308.0	2300.5	2297.0	2295.0	2301.8
22.5°	2260.7	2255.9	2251.8	2248.4	2255.9
25°	2210.7	2203.9	2199.8	2198.4	2199.1
27.5°	2153.9	2149.1	2143.6	2141.6	2142.9
30°	2094.3	2088.1	2080.6	2076.5	2079.9
32.5°	2027.9	2019.0	2012.8	2008.7	2013.5
35°	1954.6	1945.7	1938.8	1932.7	1929.9
37.5°	1871.0	1868.3	1858.7	1847.8	1847.1
40°	1786.8	1779.3	1765.6	1760.8	1757.4
42.5°	1696.4	1680.7	1666.3	1652.6	1647.8
45°	1585.5	1573.8	1556.0	1539.6	1534.1
47.5°	1471.8	1456.7	1439.6	1410.8	1407.4
50°	1353.3	1331.4	1301.2	1277.3	1267.0
52.5°	1230.0	1200.6	1158.8	1138.2	1132.8
55°	1091.7	1062.2	1017.7	1002.6	998.5
57.5°	968.4	925.2	889.0	871.8	877.3
60°	841.7	799.9	767.7	751.3	752.7
62.5°	717.7	684.9	660.9	645.1	647.2
65°	608.2	580.1	562.3	545.8	547.9
67.5°	500.6	487.6	474.6	465.0	459.5
70°	417.1	411.6	399.3	390.4	387.6
72.5°	341.1	344.5	334.2	331.5	330.8
75°	276.7	279.4	281.5	276.0	271.9
77.5°	221.2	225.3	233.5	226.0	224.6
80°	166.4	174.6	183.5	178.7	173.3
82.5°	116.4	126.7	134.9	128.8	126.0
85°	70.5	78.8	84.2	82.2	80.1
87.5°	31.5	34.2	37.0	37.7	36.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)