

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: P738595

Luminaire Tested: **24PT-60-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738595
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-60-PC3-L930
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

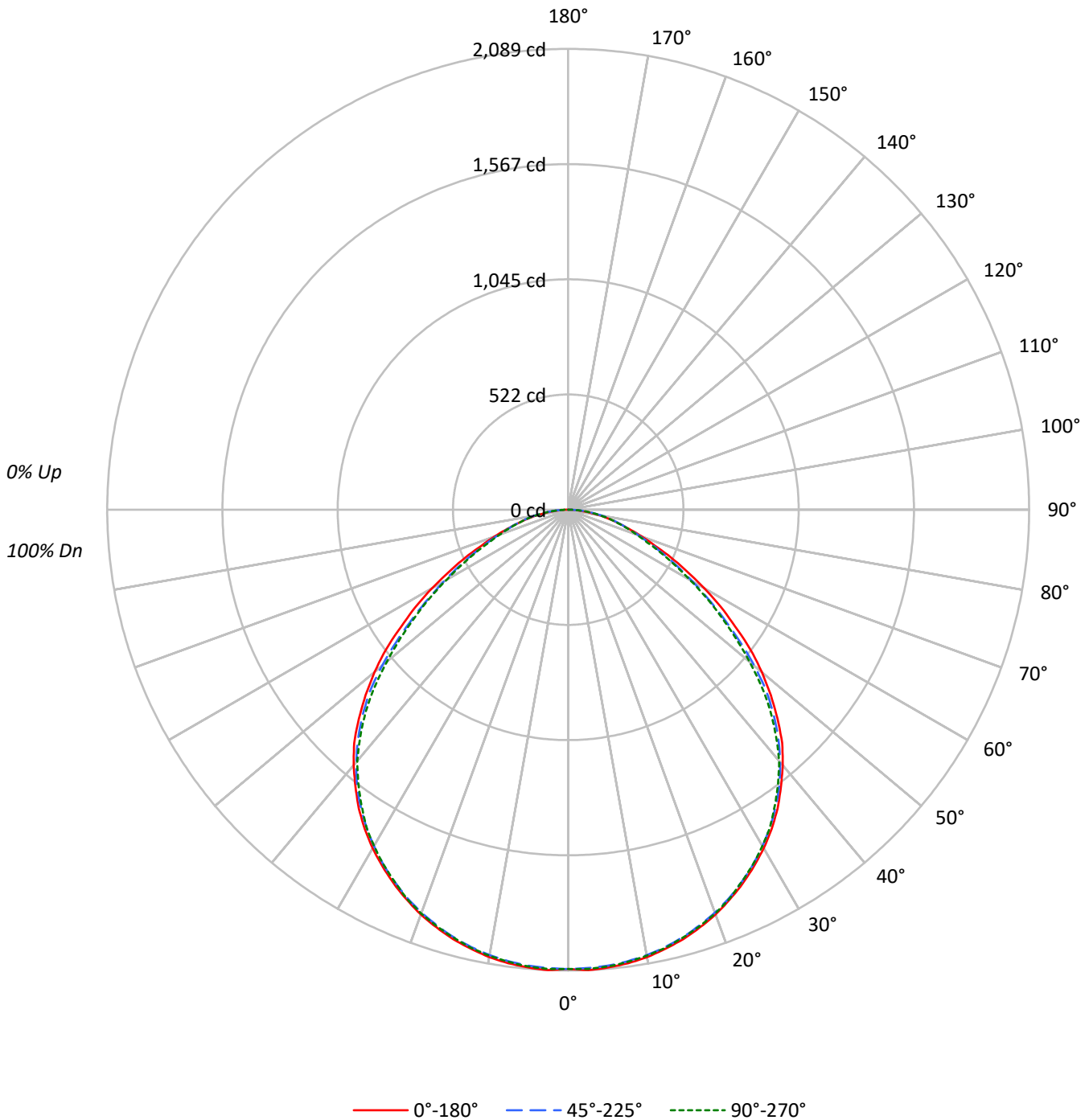
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5252.0 lumens
Efficiency: N/A
Efficacy: 103.6 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): 50.7
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

TEST NUMBER: P738595
CATALOG NUMBER: 24PT-60-PC3-L930

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°	2985	2985	2985
5°	2999	2986	2992
10°	2999	2985	2989
15°	2992	2978	2982
20°	2980	2966	2972
25°	2959	2945	2944
30°	2934	2915	2914
35°	2895	2872	2858
40°	2830	2796	2783
45°	2720	2670	2632
50°	2554	2456	2392
55°	2309	2153	2112
60°	2042	1863	1826
65°	1746	1614	1573
70°	1479	1416	1375
75°	1297	1320	1275
80°	1163	1282	1211
85°	982	1173	1115



TEST NUMBER: P738595

CATALOG NUMBER: 24PT-60-PC3-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.4	3.8
10°-20°	566.7	10.8
20°-30°	858.4	16.3
30°-40°	1025.3	19.5
40°-50°	1011.4	19.3
50°-60°	783.0	14.9
60°-70°	481.3	9.2
70°-80°	252.2	4.8
80°-90°	76.4	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°	1622.5	30.9
0°-40°	2647.8	50.4
0°-60°	4442.1	84.6
0°-90°	5252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5252.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2082	2082	2082	2082	2082	
5°	2083	2077	2075	2073	2079	198
15°	2016	2009	2006	2004	2008	569
25°	1871	1865	1861	1860	1861	862
35°	1654	1646	1640	1635	1633	1033
45°	1342	1332	1317	1303	1298	1032
55°	924	899	861	848	845	829
65°	515	491	476	462	464	513
75°	234	236	238	234	230	252
85°	60	67	71	70	68	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2082.1	2082.1	2082.1	2082.1	2082.1
2.5°	2089.1	2082.7	2079.8	2079.2	2083.8
5°	2083.3	2076.9	2074.6	2073.4	2078.6
7.5°	2074.0	2067.0	2064.7	2063.0	2067.6
10°	2059.5	2052.6	2050.2	2049.1	2053.1
12.5°	2038.6	2032.3	2030.5	2028.8	2034.0
15°	2015.5	2009.1	2006.2	2004.5	2008.5
17.5°	1985.3	1980.1	1976.6	1976.6	1980.1
20°	1952.9	1946.5	1943.6	1941.9	1947.7
22.5°	1912.9	1908.8	1905.4	1902.5	1908.8
25°	1870.6	1864.8	1861.3	1860.2	1860.7
27.5°	1822.5	1818.4	1813.8	1812.1	1813.2
30°	1772.1	1766.9	1760.5	1757.0	1759.9
32.5°	1715.9	1708.3	1703.1	1699.6	1703.7
35°	1653.9	1646.3	1640.5	1635.3	1633.0
37.5°	1583.2	1580.9	1572.7	1563.5	1562.9
40°	1511.9	1505.5	1493.9	1489.9	1487.0
42.5°	1435.4	1422.1	1409.9	1398.3	1394.3
45°	1341.5	1331.7	1316.6	1302.7	1298.1
47.5°	1245.3	1232.6	1218.1	1193.8	1190.9
50°	1145.1	1126.5	1101.0	1080.7	1072.1
52.5°	1040.8	1015.8	980.5	963.1	958.5
55°	923.7	898.8	861.1	848.4	844.9
57.5°	819.4	782.9	752.2	737.7	742.3
60°	712.2	676.8	649.6	635.7	636.9
62.5°	607.3	579.5	559.2	545.9	547.6
65°	514.6	490.8	475.8	461.9	463.6
67.5°	423.6	412.6	401.6	393.5	388.8
70°	352.9	348.3	337.8	330.3	328.0
72.5°	288.6	291.5	282.8	280.5	279.9
75°	234.1	236.4	238.2	233.5	230.1
77.5°	187.2	190.7	197.6	191.2	190.1
80°	140.8	147.8	155.3	151.2	146.6
82.5°	98.5	107.2	114.2	108.9	106.6
85°	59.7	66.6	71.3	69.5	67.8
87.5°	26.7	29.0	31.3	31.9	30.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)