

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: P258459

Luminaire Tested: **D3X-WG-67L830-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-67L830-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (252) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5931.8 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

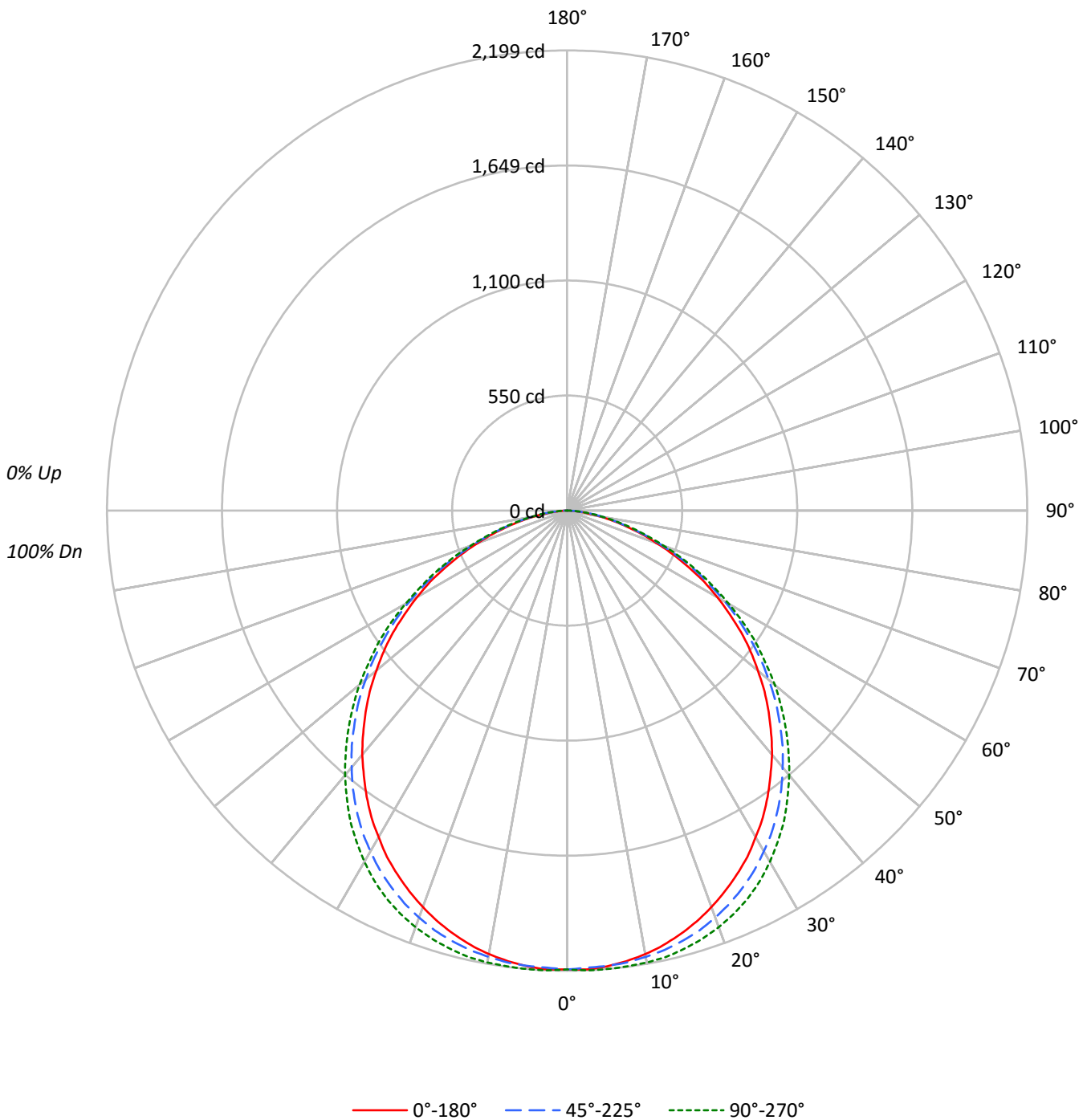
Input Watts (W): 53.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	47	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2951	2951	2951
5°	2953	2950	2970
10°	2941	2958	2996
15°	2918	2966	3019
20°	2887	2963	3033
25°	2849	2950	3035
30°	2799	2922	3011
35°	2743	2879	2970
40°	2676	2814	2900
45°	2592	2733	2814
50°	2491	2633	2713
55°	2383	2502	2582
60°	2230	2344	2401
65°	2036	2145	2199
70°	1789	1881	1931
75°	1513	1591	1646
80°	1202	1317	1350
85°	820	983	951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.4	3.5
10°-20°	601.5	10.1
20°-30°	914.2	15.4
30°-40°	1090.8	18.4
40°-50°	1101.7	18.6
50°-60°	949.2	16.0
60°-70°	661.7	11.2
70°-80°	327.9	5.5
80°-90°	76.5	1.3
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°	1724.1	29.1
0°-40°	2814.9	47.5
0°-60°	4865.7	82.0
0°-90°	5931.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5931.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2193	2193	2193	2193	2193	
5°	2186	2184	2184	2195	2199	208
15°	2095	2106	2129	2157	2167	591
25°	1919	1944	1987	2027	2044	884
35°	1670	1698	1753	1793	1808	1044
45°	1362	1392	1436	1470	1479	1050
55°	1016	1037	1067	1092	1101	905
65°	640	652	674	680	691	635
75°	291	295	306	312	317	314
85°	53	64	64	60	62	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2192.9	2192.9	2192.9	2192.9	2192.9
2.5°	2195.0	2190.7	2186.5	2195.0	2199.2
5°	2186.5	2184.4	2184.4	2195.0	2199.2
7.5°	2171.6	2171.6	2178.0	2192.9	2197.1
10°	2152.5	2156.7	2165.2	2186.5	2192.9
12.5°	2127.0	2135.5	2150.4	2175.9	2184.4
15°	2095.1	2105.7	2129.1	2156.7	2167.4
17.5°	2059.0	2073.9	2103.6	2135.5	2146.1
20°	2016.5	2035.6	2069.6	2105.7	2118.5
22.5°	1969.8	1993.1	2031.4	2069.6	2084.5
25°	1918.8	1944.3	1986.8	2027.1	2044.1
27.5°	1865.6	1891.1	1937.9	1978.3	1995.3
30°	1801.9	1831.6	1880.5	1923.0	1937.9
32.5°	1740.3	1770.0	1821.0	1859.3	1874.1
35°	1670.1	1697.8	1753.0	1793.4	1808.3
37.5°	1595.8	1627.6	1680.8	1716.9	1729.6
40°	1523.5	1551.2	1602.2	1638.3	1651.0
42.5°	1442.8	1472.5	1523.5	1555.4	1566.0
45°	1362.0	1391.8	1436.4	1470.4	1478.9
47.5°	1279.2	1306.8	1351.4	1379.0	1387.5
50°	1189.9	1215.4	1257.9	1285.5	1296.2
52.5°	1104.9	1128.3	1164.4	1187.8	1194.2
55°	1015.7	1036.9	1066.7	1092.2	1100.7
57.5°	920.1	943.4	971.1	992.3	998.7
60°	828.7	847.8	871.2	890.3	892.4
62.5°	739.5	748.0	769.2	786.2	788.3
65°	639.6	652.3	673.6	680.0	690.6
67.5°	548.2	556.7	573.7	582.2	590.7
70°	454.7	461.1	478.1	488.7	490.8
72.5°	374.0	376.1	388.9	397.4	399.5
75°	291.1	295.4	306.0	312.4	316.6
77.5°	221.0	225.2	233.7	238.0	238.0
80°	155.1	161.5	170.0	172.1	174.2
82.5°	99.9	108.4	114.7	116.9	112.6
85°	53.1	63.7	63.7	59.5	61.6
87.5°	19.1	23.4	25.5	27.6	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)