

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: P258469

Luminaire Tested: **D3X-WG-74L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258469
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-74L935-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (252) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5853.7 lumens
Efficiency: N/A
Efficacy: 95.0 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

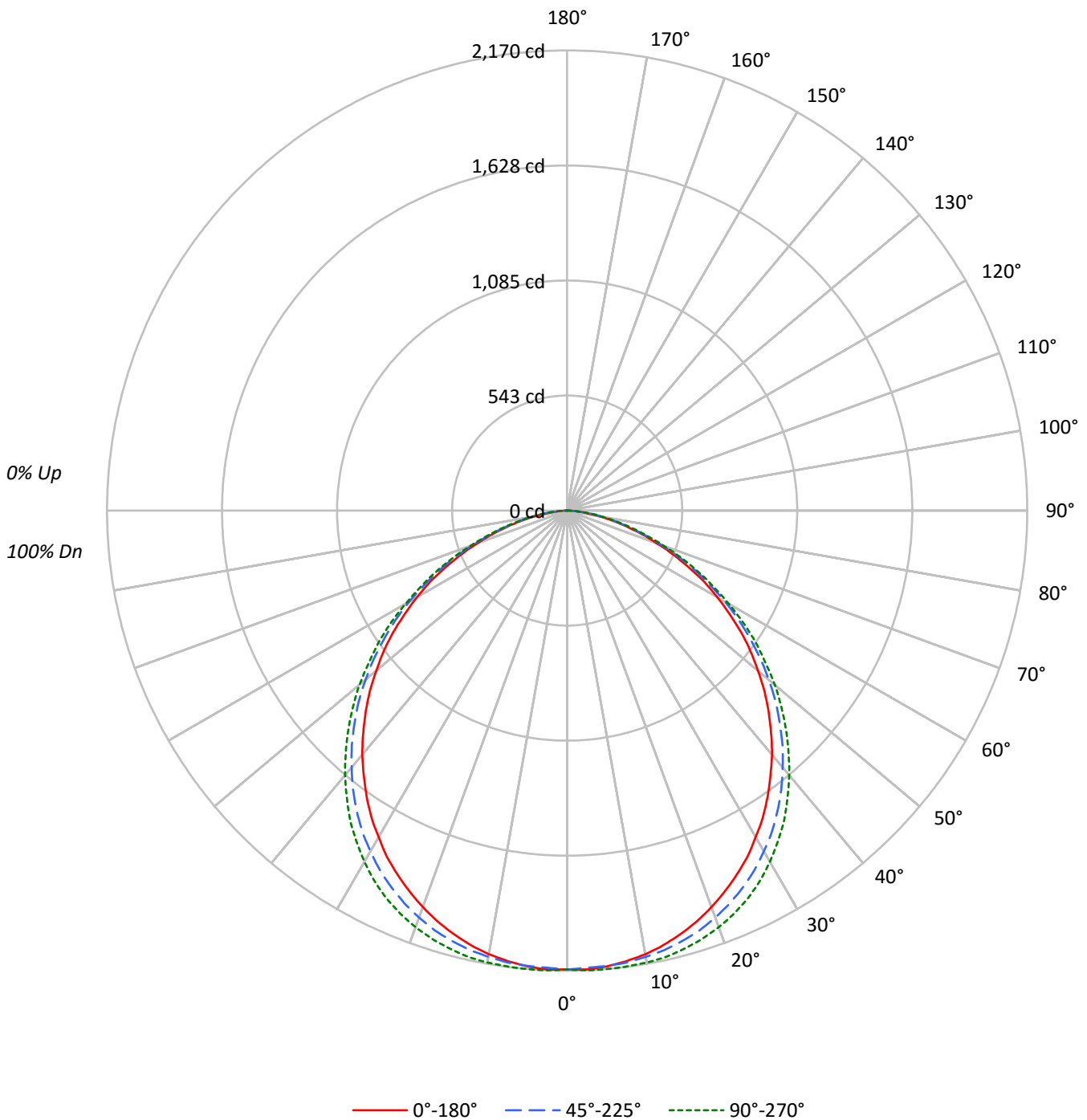
Input Watts (W): 61.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2912	2912	2912
5°	2914	2911	2931
10°	2902	2919	2957
15°	2880	2927	2979
20°	2849	2924	2993
25°	2811	2911	2995
30°	2763	2883	2971
35°	2707	2841	2931
40°	2641	2777	2862
45°	2558	2697	2777
50°	2458	2599	2677
55°	2351	2469	2548
60°	2201	2313	2370
65°	2010	2116	2170
70°	1765	1856	1906
75°	1494	1570	1624
80°	1186	1300	1332
85°	809	971	939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.6	3.5
10°-20°	593.6	10.1
20°-30°	902.1	15.4
30°-40°	1076.5	18.4
40°-50°	1087.2	18.6
50°-60°	936.7	16.0
60°-70°	653.0	11.2
70°-80°	323.6	5.5
80°-90°	75.5	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°	1701.4	29.1
0°-40°	2777.8	47.5
0°-60°	4801.7	82.0
0°-90°	5853.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5853.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2164	2164	2164	2164	2164	
5°	2158	2156	2156	2166	2170	205
15°	2068	2078	2101	2128	2139	583
25°	1894	1919	1961	2000	2017	872
35°	1648	1675	1730	1770	1784	1030
45°	1344	1374	1418	1451	1459	1036
55°	1002	1023	1053	1078	1086	893
65°	631	644	665	671	682	627
75°	287	292	302	308	312	310
85°	52	63	63	59	61	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2164.0	2164.0	2164.0	2164.0	2164.0
2.5°	2166.1	2161.9	2157.7	2166.1	2170.3
5°	2157.7	2155.6	2155.6	2166.1	2170.3
7.5°	2143.0	2143.0	2149.3	2164.0	2168.2
10°	2124.2	2128.3	2136.7	2157.7	2164.0
12.5°	2099.0	2107.4	2122.1	2147.2	2155.6
15°	2067.5	2078.0	2101.1	2128.3	2138.8
17.5°	2031.9	2046.6	2075.9	2107.4	2117.9
20°	1990.0	2008.8	2042.4	2078.0	2090.6
22.5°	1943.8	1966.9	2004.6	2042.4	2057.1
25°	1893.5	1918.7	1960.6	2000.4	2017.2
27.5°	1841.1	1866.2	1912.4	1952.2	1969.0
30°	1778.2	1807.5	1855.7	1897.7	1912.4
32.5°	1717.4	1746.7	1797.0	1834.8	1849.5
35°	1648.2	1675.4	1729.9	1769.8	1784.5
37.5°	1574.8	1606.2	1658.6	1694.3	1706.9
40°	1503.5	1530.7	1581.1	1616.7	1629.3
42.5°	1423.8	1453.1	1503.5	1534.9	1545.4
45°	1344.1	1373.5	1417.5	1451.0	1459.4
47.5°	1262.3	1289.6	1333.6	1360.9	1369.3
50°	1174.3	1199.4	1241.4	1268.6	1279.1
52.5°	1090.4	1113.4	1149.1	1172.2	1178.5
55°	1002.3	1023.3	1052.6	1077.8	1086.2
57.5°	908.0	931.0	958.3	979.2	985.5
60°	817.8	836.7	859.7	878.6	880.7
62.5°	729.7	738.1	759.1	775.8	777.9
65°	631.2	643.7	664.7	671.0	681.5
67.5°	541.0	549.4	566.2	574.5	582.9
70°	448.7	455.0	471.8	482.3	484.4
72.5°	369.1	371.1	383.7	392.1	394.2
75°	287.3	291.5	302.0	308.2	312.4
77.5°	218.1	222.3	230.7	234.9	234.9
80°	153.1	159.4	167.8	169.8	171.9
82.5°	98.6	106.9	113.2	115.3	111.1
85°	52.4	62.9	62.9	58.7	60.8
87.5°	18.9	23.1	25.2	27.3	27.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)