

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: P258400

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-67L830-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5922.2 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

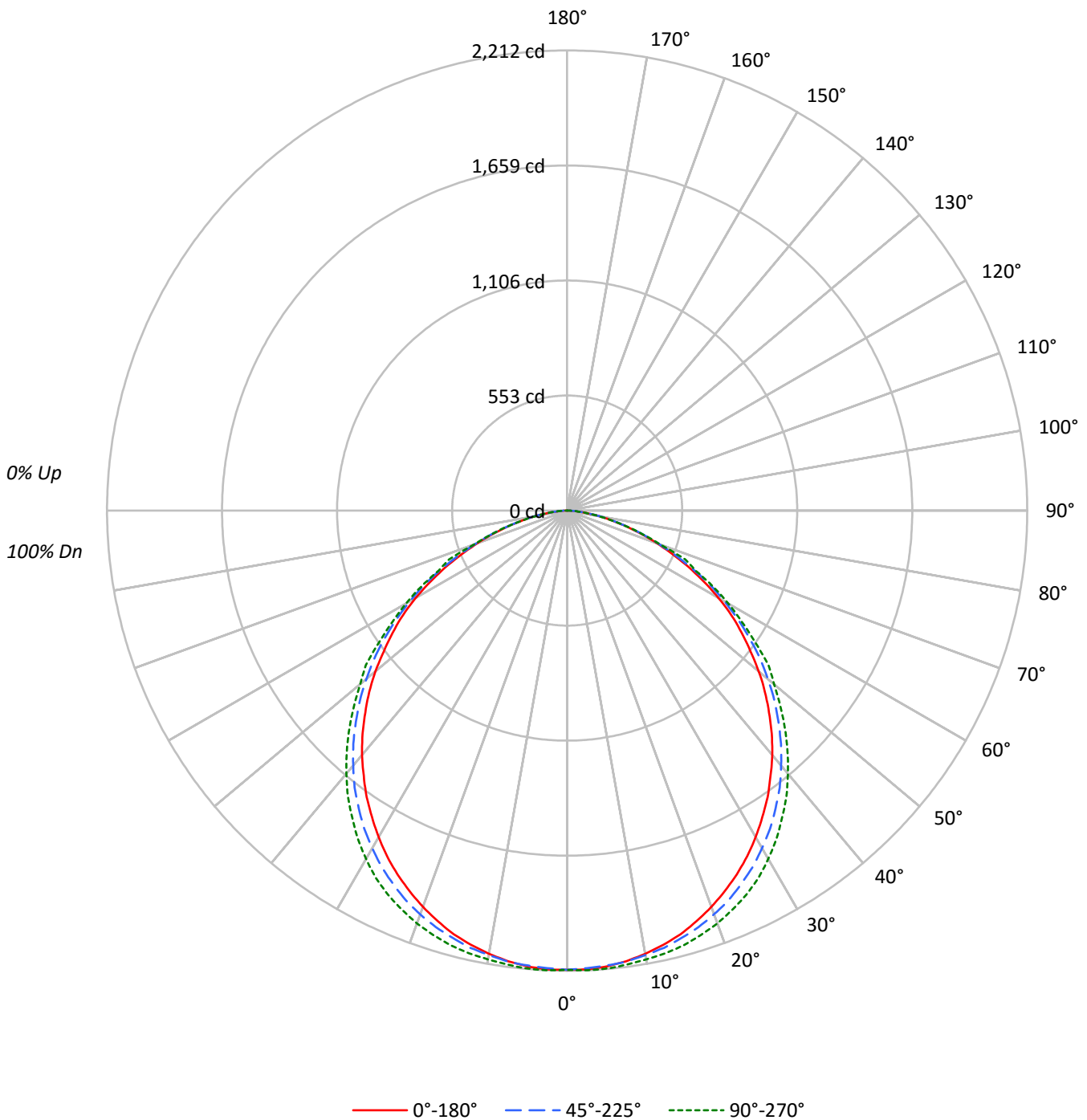
Input Watts (W): 53.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P258400

CATALOG NUMBER: D3X-WD-67L830-LD5-UNV-24-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P258400

CATALOG NUMBER: D3X-WD-67L830-LD5-UNV-24-T1-STD

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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2970	2970	2970
5°	2970	2965	2985
10°	2955	2964	2993
15°	2936	2963	3013
20°	2902	2957	3024
25°	2864	2940	3025
30°	2816	2912	3004
35°	2761	2869	2960
40°	2695	2810	2900
45°	2612	2733	2818
50°	2518	2637	2718
55°	2403	2512	2587
60°	2264	2350	2407
65°	2057	2124	2165
70°	1806	1847	1873
75°	1524	1547	1557
80°	1218	1235	1202
85°	820	852	820



TEST NUMBER: P258400

CATALOG NUMBER: D3X-WD-67L830-LD5-UNV-24-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.2	3.5
10°-20°	601.7	10.2
20°-30°	912.9	15.4
30°-40°	1089.9	18.4
40°-50°	1103.4	18.6
50°-60°	953.8	16.1
60°-70°	661.1	11.2
70°-80°	319.9	5.4
80°-90°	70.3	1.2
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°	1723.8	29.1
0°-40°	2813.7	47.5
0°-60°	4870.9	82.2
0°-90°	5922.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5922.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2208	2208	2208	2208	2208	
5°	2199	2197	2195	2206	2210	209
15°	2108	2112	2127	2152	2163	594
25°	1929	1942	1980	2021	2038	889
35°	1681	1696	1747	1791	1802	1050
45°	1373	1392	1436	1472	1481	1059
55°	1024	1035	1071	1116	1103	915
65°	646	652	667	678	680	639
75°	293	295	298	295	300	315
85°	53	57	55	53	53	69
90°	0	0	0	0	0	



TEST NUMBER: P258400

CATALOG NUMBER: D3X-WD-67L830-LD5-UNV-24-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2207.7	2207.7	2207.7	2207.7	2207.7
2.5°	2207.7	2205.6	2201.4	2207.7	2212.0
5°	2199.2	2197.1	2195.0	2205.6	2209.9
7.5°	2184.4	2184.4	2186.5	2197.1	2201.4
10°	2163.1	2165.2	2169.5	2186.5	2190.7
12.5°	2137.6	2141.9	2152.5	2171.6	2180.1
15°	2107.9	2112.1	2127.0	2152.5	2163.1
17.5°	2069.6	2078.1	2099.4	2129.1	2139.7
20°	2027.1	2037.8	2065.4	2099.4	2112.1
22.5°	1980.4	1991.0	2027.1	2063.2	2076.0
25°	1929.4	1942.1	1980.4	2020.8	2037.8
27.5°	1874.1	1889.0	1931.5	1974.0	1991.0
30°	1812.5	1829.5	1874.1	1918.8	1933.6
32.5°	1746.6	1763.6	1814.6	1857.1	1872.0
35°	1680.8	1695.6	1746.6	1791.3	1801.9
37.5°	1606.4	1623.4	1678.6	1716.9	1731.8
40°	1534.2	1551.2	1600.0	1638.3	1651.0
42.5°	1455.5	1472.5	1521.4	1557.5	1568.2
45°	1372.7	1391.8	1436.4	1472.5	1481.0
47.5°	1289.8	1304.7	1351.4	1383.3	1389.7
50°	1202.7	1217.6	1260.0	1291.9	1298.3
52.5°	1111.3	1134.7	1168.7	1192.1	1219.7
55°	1024.2	1034.8	1070.9	1115.6	1102.8
57.5°	937.1	943.4	973.2	992.3	996.6
60°	841.4	849.9	873.3	883.9	894.6
62.5°	741.6	748.0	775.6	786.2	790.5
65°	646.0	652.3	667.2	677.8	680.0
67.5°	548.2	554.6	567.3	575.8	614.1
70°	459.0	463.2	469.6	486.6	476.0
72.5°	374.0	376.1	382.5	382.5	384.6
75°	293.2	295.4	297.5	295.4	299.6
77.5°	218.9	223.1	225.2	223.1	221.0
80°	157.2	161.5	159.4	155.1	155.1
82.5°	102.0	104.1	102.0	99.9	99.9
85°	53.1	57.4	55.2	53.1	53.1
87.5°	19.1	21.2	23.4	25.5	25.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)