

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: P258473

Luminaire Tested: **D3X-WG-80L840-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258473
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-80L840-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (252) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7369.6 lumens
Efficiency: N/A
Efficacy: 109.3 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

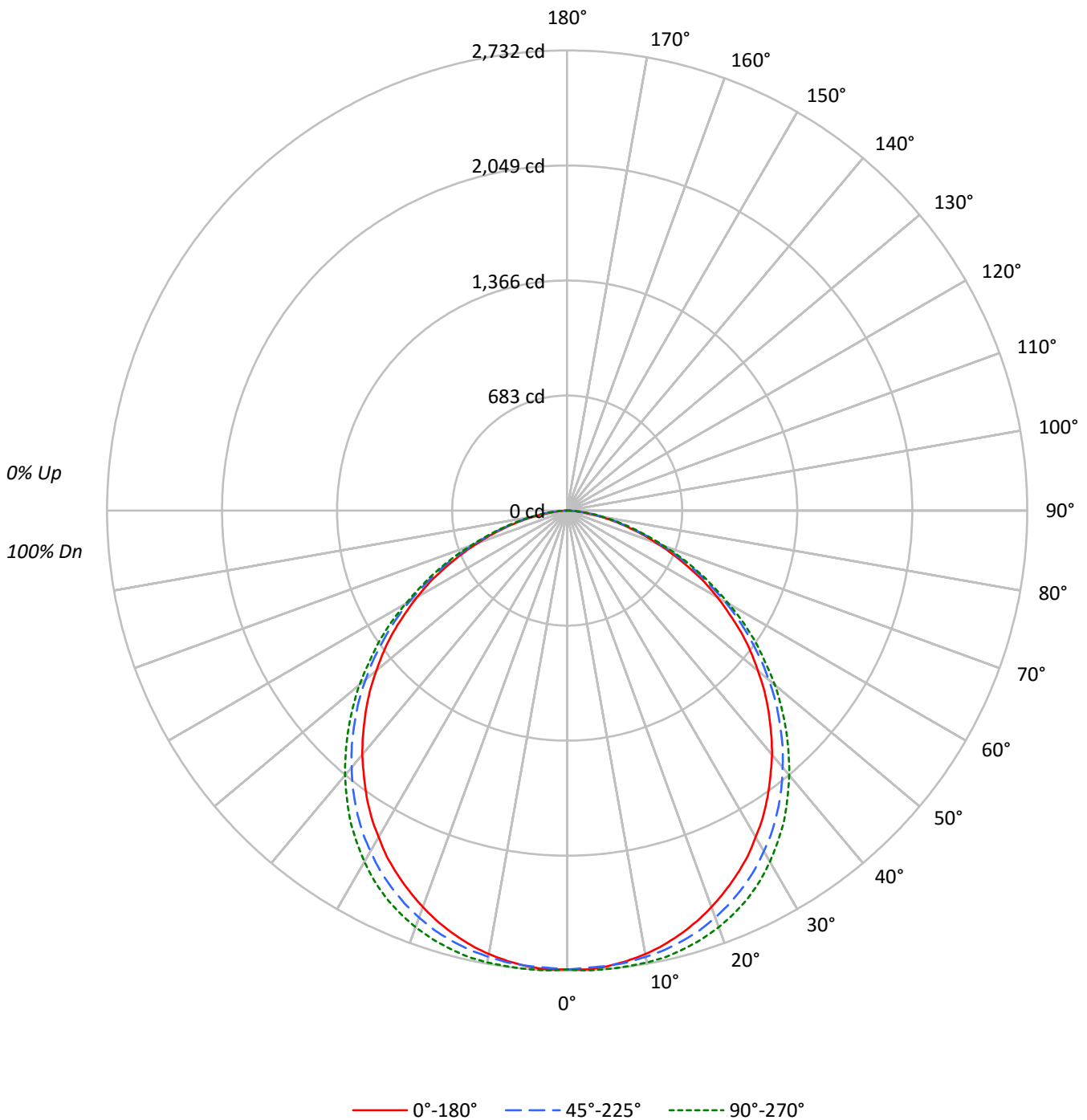
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3666	3666	3666
5°	3669	3665	3690
10°	3654	3675	3722
15°	3626	3685	3751
20°	3587	3682	3769
25°	3539	3664	3770
30°	3478	3630	3741
35°	3408	3577	3690
40°	3325	3496	3603
45°	3220	3396	3496
50°	3094	3271	3371
55°	2960	3109	3208
60°	2771	2913	2984
65°	2530	2664	2732
70°	2222	2337	2399
75°	1880	1976	2045
80°	1493	1636	1678
85°	1019	1223	1183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.9	3.5
10°-20°	747.3	10.1
20°-30°	1135.7	15.4
30°-40°	1355.2	18.4
40°-50°	1368.7	18.6
50°-60°	1179.2	16.0
60°-70°	822.1	11.2
70°-80°	407.4	5.5
80°-90°	95.0	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°	2141.9	29.1
0°-40°	3497.2	47.5
0°-60°	6045.1	82.0
0°-90°	7369.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7369.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2724	2724	2724	2724	2724	
5°	2716	2714	2714	2727	2732	258
15°	2603	2616	2645	2680	2693	734
25°	2384	2416	2468	2518	2540	1098
35°	2075	2109	2178	2228	2247	1297
45°	1692	1729	1785	1827	1837	1304
55°	1262	1288	1325	1357	1368	1125
65°	795	810	837	845	858	789
75°	362	367	380	388	393	390
85°	66	79	79	74	77	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2724.4	2724.4	2724.4	2724.4	2724.4
2.5°	2727.0	2721.7	2716.5	2727.0	2732.3
5°	2716.5	2713.8	2713.8	2727.0	2732.3
7.5°	2698.0	2698.0	2705.9	2724.4	2729.7
10°	2674.2	2679.5	2690.1	2716.5	2724.4
12.5°	2642.5	2653.1	2671.6	2703.3	2713.8
15°	2602.9	2616.1	2645.2	2679.5	2692.7
17.5°	2558.1	2576.5	2613.5	2653.1	2666.3
20°	2505.3	2529.0	2571.3	2616.1	2632.0
22.5°	2447.2	2476.2	2523.7	2571.3	2589.7
25°	2383.8	2415.5	2468.3	2518.5	2539.6
27.5°	2317.8	2349.5	2407.6	2457.7	2478.9
30°	2238.6	2275.6	2336.3	2389.1	2407.6
32.5°	2162.1	2199.0	2262.4	2309.9	2328.4
35°	2075.0	2109.3	2177.9	2228.1	2246.6
37.5°	1982.6	2022.2	2088.2	2133.0	2148.9
40°	1892.8	1927.1	1990.5	2035.4	2051.2
42.5°	1792.5	1829.5	1892.8	1932.4	1945.6
45°	1692.2	1729.1	1784.6	1826.8	1837.4
47.5°	1589.2	1623.5	1679.0	1713.3	1723.9
50°	1478.3	1510.0	1562.8	1597.1	1610.3
52.5°	1372.7	1401.8	1446.7	1475.7	1483.6
55°	1261.9	1288.3	1325.2	1356.9	1367.5
57.5°	1143.1	1172.1	1206.4	1232.8	1240.8
60°	1029.6	1053.3	1082.4	1106.1	1108.8
62.5°	918.7	929.2	955.6	976.8	979.4
65°	794.6	810.5	836.8	844.8	858.0
67.5°	681.1	691.7	712.8	723.3	733.9
70°	564.9	572.9	594.0	607.2	609.8
72.5°	464.6	467.3	483.1	493.7	496.3
75°	361.7	366.9	380.1	388.1	393.3
77.5°	274.5	279.8	290.4	295.7	295.7
80°	192.7	200.6	211.2	213.8	216.5
82.5°	124.1	134.6	142.6	145.2	139.9
85°	66.0	79.2	79.2	73.9	76.6
87.5°	23.8	29.0	31.7	34.3	34.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)