

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: P257292

Luminaire Tested: **D3X-WD-35L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-35L935-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF
Light Source: (126) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2847.7 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

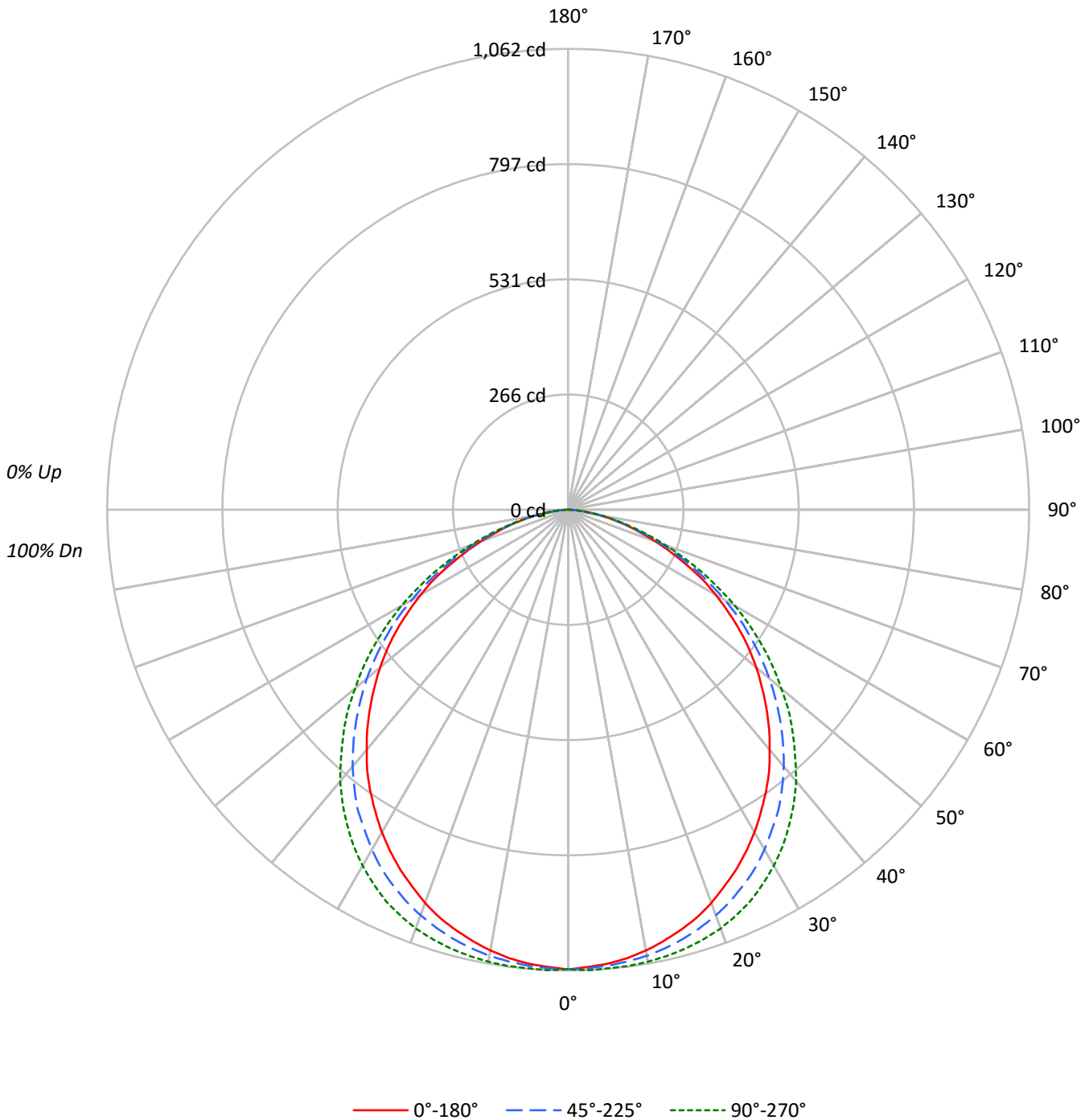
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93		95	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	77	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	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	31	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°	2850	2850	2850
5°	2836	2849	2865
10°	2819	2852	2890
15°	2793	2852	2917
20°	2761	2849	2941
25°	2717	2836	2954
30°	2667	2810	2944
35°	2608	2775	2916
40°	2536	2714	2870
45°	2456	2631	2788
50°	2368	2535	2682
55°	2258	2409	2560
60°	2112	2244	2392
65°	1913	2030	2157
70°	1688	1773	1869
75°	1450	1483	1546
80°	1164	1187	1212
85°	852	756	756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	3.5
10°-20°	289.1	10.2
20°-30°	439.8	15.4
30°-40°	526.2	18.5
40°-50°	531.9	18.7
50°-60°	457.8	16.1
60°-70°	316.0	11.1
70°-80°	153.2	5.4
80°-90°	33.2	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°	829.3	29.1
0°-40°	1355.5	47.6
0°-60°	2345.2	82.4
0°-90°	2847.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2847.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1059	1059	1059	1059	1059	
5°	1050	1052	1055	1059	1061	100
15°	1002	1009	1024	1039	1047	283
25°	915	926	955	984	995	421
35°	794	808	845	875	888	496
45°	645	658	691	720	733	498
55°	481	489	514	536	546	429
65°	300	305	319	333	339	299
75°	140	136	143	147	149	148
85°	28	28	24	24	24	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1059.2	1059.2	1059.2	1059.2	1059.2
2.5°	1054.6	1054.6	1057.7	1060.7	1062.3
5°	1050.0	1051.5	1054.6	1059.2	1060.7
7.5°	1042.3	1043.9	1050.0	1057.7	1060.7
10°	1031.6	1034.7	1043.9	1053.1	1057.7
12.5°	1017.8	1023.9	1034.7	1046.9	1053.1
15°	1002.5	1008.6	1023.9	1039.3	1046.9
17.5°	985.6	991.8	1010.2	1030.1	1037.7
20°	964.2	973.4	994.8	1017.8	1027.0
22.5°	939.6	951.9	976.4	1001.0	1011.7
25°	915.1	925.8	955.0	984.1	994.8
27.5°	887.5	899.8	932.0	961.1	971.8
30°	858.4	870.7	904.4	936.6	947.3
32.5°	826.2	841.5	873.7	907.4	919.7
35°	794.0	807.8	844.6	875.3	887.5
37.5°	760.3	772.6	809.3	841.5	853.8
40°	722.0	735.8	772.6	804.7	817.0
42.5°	685.2	699.0	732.7	763.4	774.1
45°	645.3	657.6	691.3	720.4	732.7
47.5°	605.5	619.3	648.4	677.5	689.8
50°	565.6	576.4	605.5	633.1	640.7
52.5°	524.2	533.4	559.5	584.0	594.7
55°	481.3	489.0	513.5	536.5	545.7
57.5°	435.3	444.5	467.5	484.4	495.1
60°	392.4	397.0	416.9	433.8	444.5
62.5°	349.5	351.0	366.4	383.2	389.3
65°	300.4	305.0	318.8	332.6	338.8
67.5°	256.0	260.6	271.3	282.0	286.6
70°	214.6	214.6	225.3	233.0	237.6
72.5°	173.2	174.7	182.4	187.0	191.6
75°	139.5	136.4	142.6	147.2	148.7
77.5°	104.2	102.7	107.3	108.8	111.9
80°	75.1	75.1	76.6	78.2	78.2
82.5°	49.1	49.1	50.6	47.5	46.0
85°	27.6	27.6	24.5	24.5	24.5
87.5°	9.2	9.2	9.2	10.7	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)