

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: P257276

Luminaire Tested: **D3X-WD-25L830-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257276  
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-25L830-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF  
Light Source: (126) 3000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2305.7 lumens  
Efficiency: N/A  
Efficacy: 110.3 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

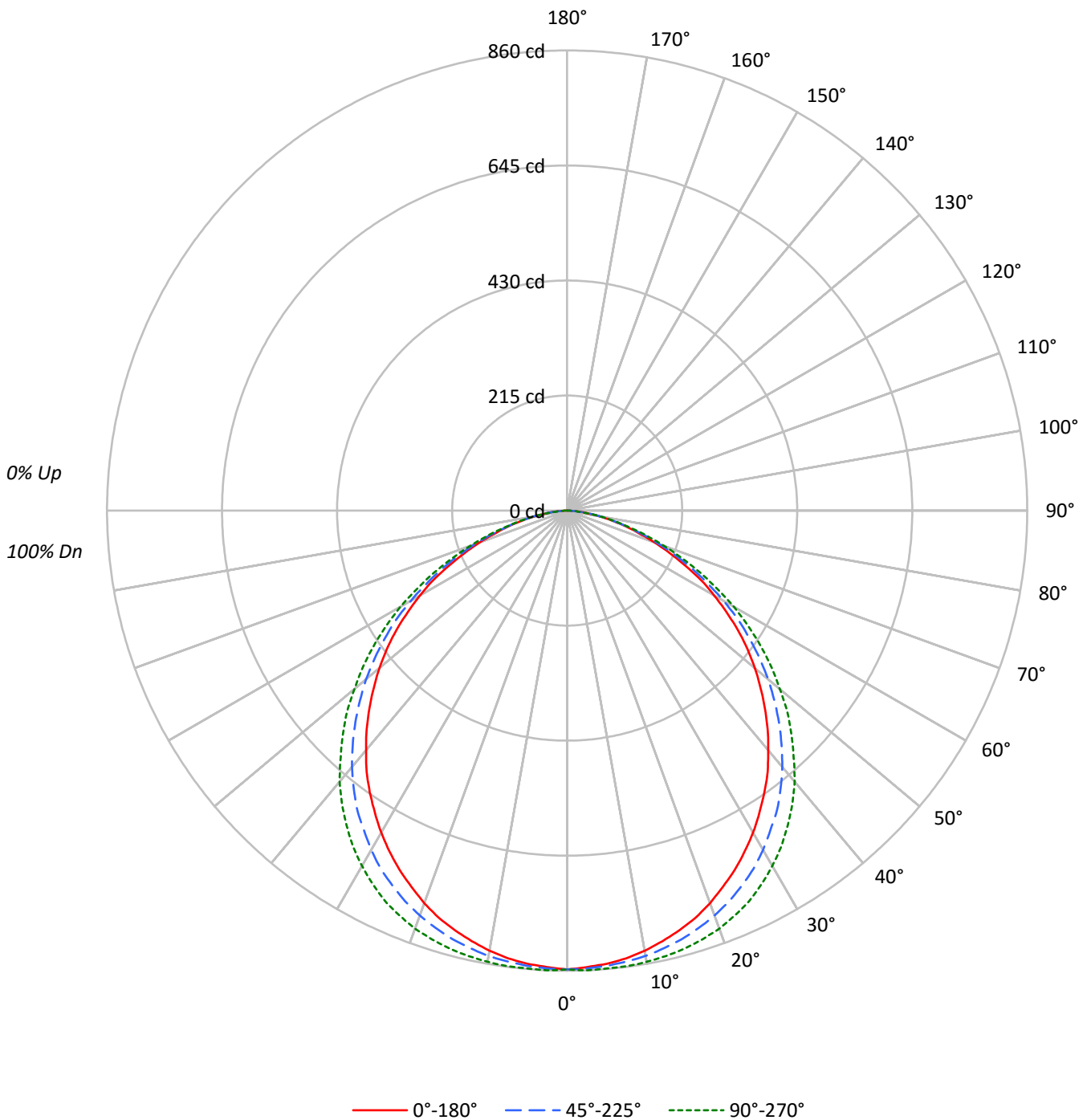
Input Watts (W): 20.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2308	2308	2308
5°	2297	2307	2320
10°	2282	2310	2340
15°	2261	2310	2362
20°	2236	2307	2381
25°	2200	2296	2392
30°	2160	2275	2383
35°	2112	2246	2361
40°	2054	2197	2324
45°	1988	2130	2257
50°	1917	2052	2172
55°	1828	1951	2073
60°	1710	1817	1937
65°	1549	1644	1747
70°	1367	1435	1514
75°	1174	1200	1252
80°	942	962	981
85°	689	614	614



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.3	3.5
10°-20°	234.1	10.2
20°-30°	356.1	15.4
30°-40°	426.0	18.5
40°-50°	430.7	18.7
50°-60°	370.6	16.1
60°-70°	255.9	11.1
70°-80°	124.1	5.4
80°-90°	26.9	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°	671.5	29.1
0°-40°	1097.5	47.6
0°-60°	1898.9	82.4
0°-90°	2305.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2305.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	850	851	854	858	859	81
15°	812	817	829	842	848	229
25°	741	750	773	797	806	341
35°	643	654	684	709	719	402
45°	522	532	560	583	593	403
55°	390	396	416	434	442	347
65°	243	247	258	269	274	242
75°	113	110	115	119	120	120
85°	22	22	20	20	20	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	857.6	857.6	857.6	857.6	857.6
2.5°	853.9	853.9	856.4	858.8	860.1
5°	850.2	851.4	853.9	857.6	858.8
7.5°	844.0	845.2	850.2	856.4	858.8
10°	835.3	837.7	845.2	852.6	856.4
12.5°	824.1	829.1	837.7	847.7	852.6
15°	811.7	816.6	829.1	841.5	847.7
17.5°	798.0	803.0	817.9	834.0	840.2
20°	780.7	788.1	805.5	824.1	831.5
22.5°	760.8	770.7	790.6	810.4	819.1
25°	740.9	749.6	773.2	796.8	805.5
27.5°	718.6	728.5	754.6	778.2	786.9
30°	695.0	704.9	732.3	758.3	767.0
32.5°	669.0	681.4	707.4	734.7	744.7
35°	642.9	654.1	683.8	708.7	718.6
37.5°	615.6	625.5	655.3	681.4	691.3
40°	584.6	595.7	625.5	651.6	661.5
42.5°	554.8	565.9	593.2	618.1	626.8
45°	522.5	532.4	559.7	583.3	593.2
47.5°	490.2	501.4	525.0	548.6	558.5
50°	458.0	466.7	490.2	512.6	518.8
52.5°	424.5	431.9	453.0	472.9	481.5
55°	389.7	395.9	415.8	434.4	441.8
57.5°	352.5	359.9	378.5	392.2	400.9
60°	317.7	321.4	337.6	351.2	359.9
62.5°	283.0	284.2	296.6	310.3	315.2
65°	243.3	247.0	258.2	269.3	274.3
67.5°	207.3	211.0	219.7	228.4	232.1
70°	173.8	173.8	182.4	188.6	192.4
72.5°	140.2	141.5	147.7	151.4	155.1
75°	112.9	110.5	115.4	119.1	120.4
77.5°	84.4	83.2	86.9	88.1	90.6
80°	60.8	60.8	62.1	63.3	63.3
82.5°	39.7	39.7	41.0	38.5	37.2
85°	22.3	22.3	19.9	19.9	19.9
87.5°	7.4	7.4	7.4	8.7	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)