

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: P257522

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-25L830-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2491.9 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

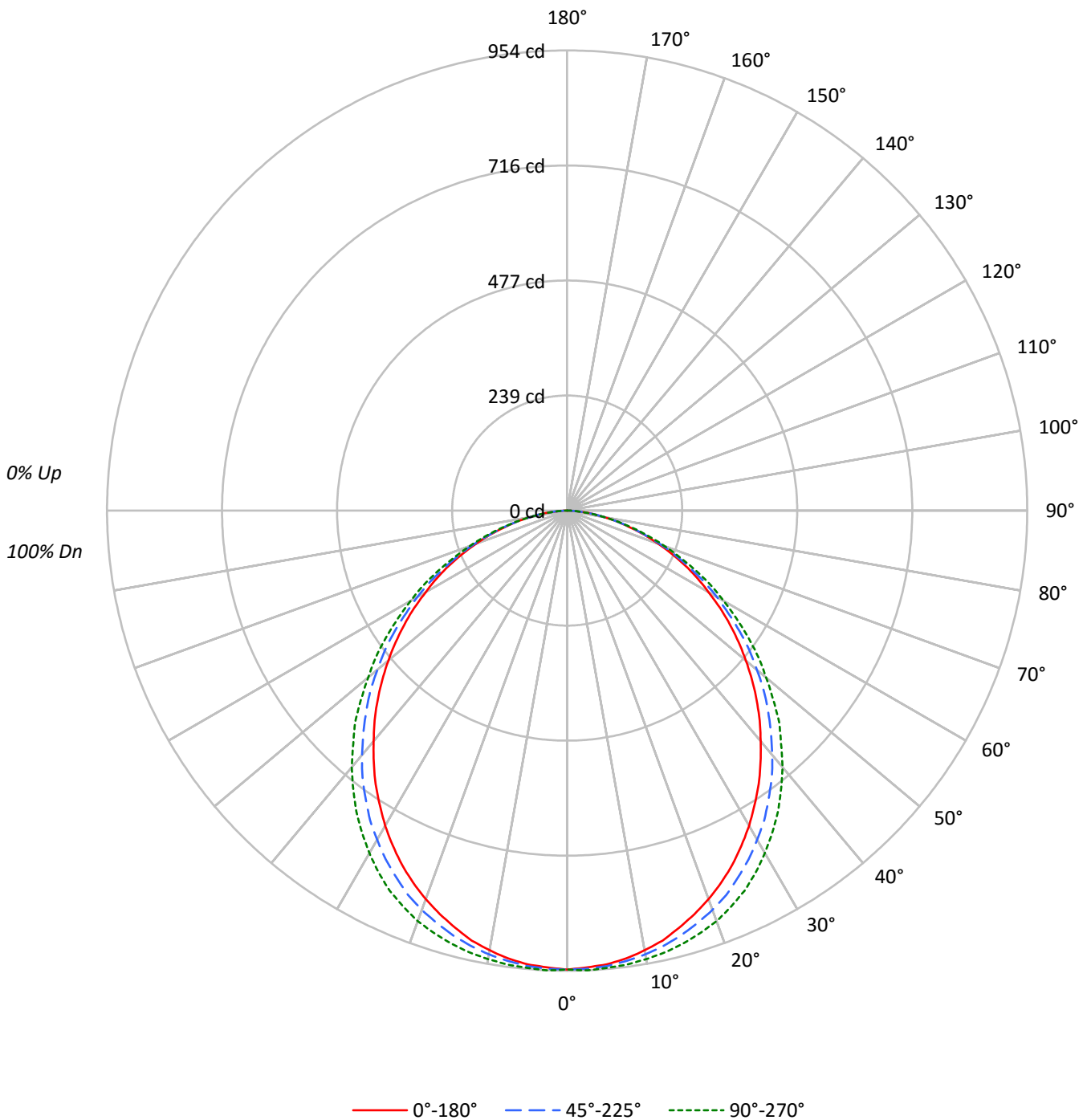
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2561	2561	2561
5°	2551	2561	2571
10°	2529	2553	2580
15°	2496	2540	2589
20°	2455	2523	2594
25°	2406	2490	2582
30°	2344	2448	2548
35°	2274	2393	2503
40°	2192	2323	2441
45°	2115	2243	2366
50°	2026	2151	2254
55°	1932	2049	2148
60°	1823	1930	2017
65°	1722	1785	1873
70°	1581	1630	1688
75°	1406	1445	1484
80°	1212	1192	1192
85°	920	843	766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	3.6
10°-20°	257.3	10.3
20°-30°	386.3	15.5
30°-40°	454.7	18.2
40°-50°	453.5	18.2
50°-60°	389.2	15.6
60°-70°	278.7	11.2
70°-80°	147.6	5.9
80°-90°	34.5	1.4
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°	733.7	29.4
0°-40°	1188.3	47.7
0°-60°	2031.0	81.5
0°-90°	2491.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2491.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	952	952	952	952	952	
5°	944	944	948	950	952	90
15°	896	900	912	924	929	253
25°	810	818	839	860	870	373
35°	692	701	728	753	762	432
45°	556	564	589	610	622	428
55°	412	418	437	452	458	368
65°	270	272	280	292	294	267
75°	135	135	139	141	143	145
85°	30	28	27	25	25	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	951.6	951.6	951.6	951.6	951.6
2.5°	947.9	947.9	950.4	952.9	954.1
5°	944.2	944.2	947.9	950.4	951.6
7.5°	936.7	936.7	941.7	946.7	949.2
10°	925.6	928.1	934.3	941.7	944.2
12.5°	913.2	915.7	924.3	934.3	938.0
15°	895.8	899.5	911.9	924.3	929.3
17.5°	877.2	882.2	897.0	911.9	918.1
20°	857.3	862.3	880.9	898.3	905.7
22.5°	835.0	841.2	862.3	880.9	888.4
25°	810.2	817.6	838.7	859.8	869.7
27.5°	782.9	791.6	815.2	837.5	846.2
30°	754.4	764.3	787.9	811.4	820.1
32.5°	723.3	732.0	760.6	782.9	791.6
35°	692.3	701.0	728.3	753.1	761.8
37.5°	658.8	670.0	697.3	719.6	728.3
40°	624.1	635.3	661.3	687.4	694.8
42.5°	590.6	600.5	625.3	648.9	656.3
45°	555.8	564.5	589.3	610.4	621.6
47.5°	519.9	528.5	553.4	573.2	579.4
50°	483.9	492.6	513.7	531.0	538.5
52.5°	447.9	456.6	476.4	492.6	500.0
55°	411.9	418.1	436.7	451.6	457.8
57.5°	375.9	380.9	395.8	411.9	415.6
60°	338.7	344.9	358.6	369.7	374.7
62.5°	305.2	307.7	320.1	330.0	336.2
65°	270.5	271.7	280.4	291.6	294.1
67.5°	234.5	235.7	244.4	250.6	253.1
70°	201.0	201.0	207.2	212.2	214.6
72.5°	168.7	167.5	171.2	176.2	178.7
75°	135.2	135.2	139.0	141.4	142.7
77.5°	106.7	104.2	106.7	109.2	109.2
80°	78.2	76.9	76.9	78.2	76.9
82.5°	53.4	52.1	53.4	50.9	49.6
85°	29.8	28.5	27.3	24.8	24.8
87.5°	9.9	8.7	8.7	9.9	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)