

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: P257557

Luminaire Tested: **D3X-WO-26L830-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-26L830-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2631.4 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

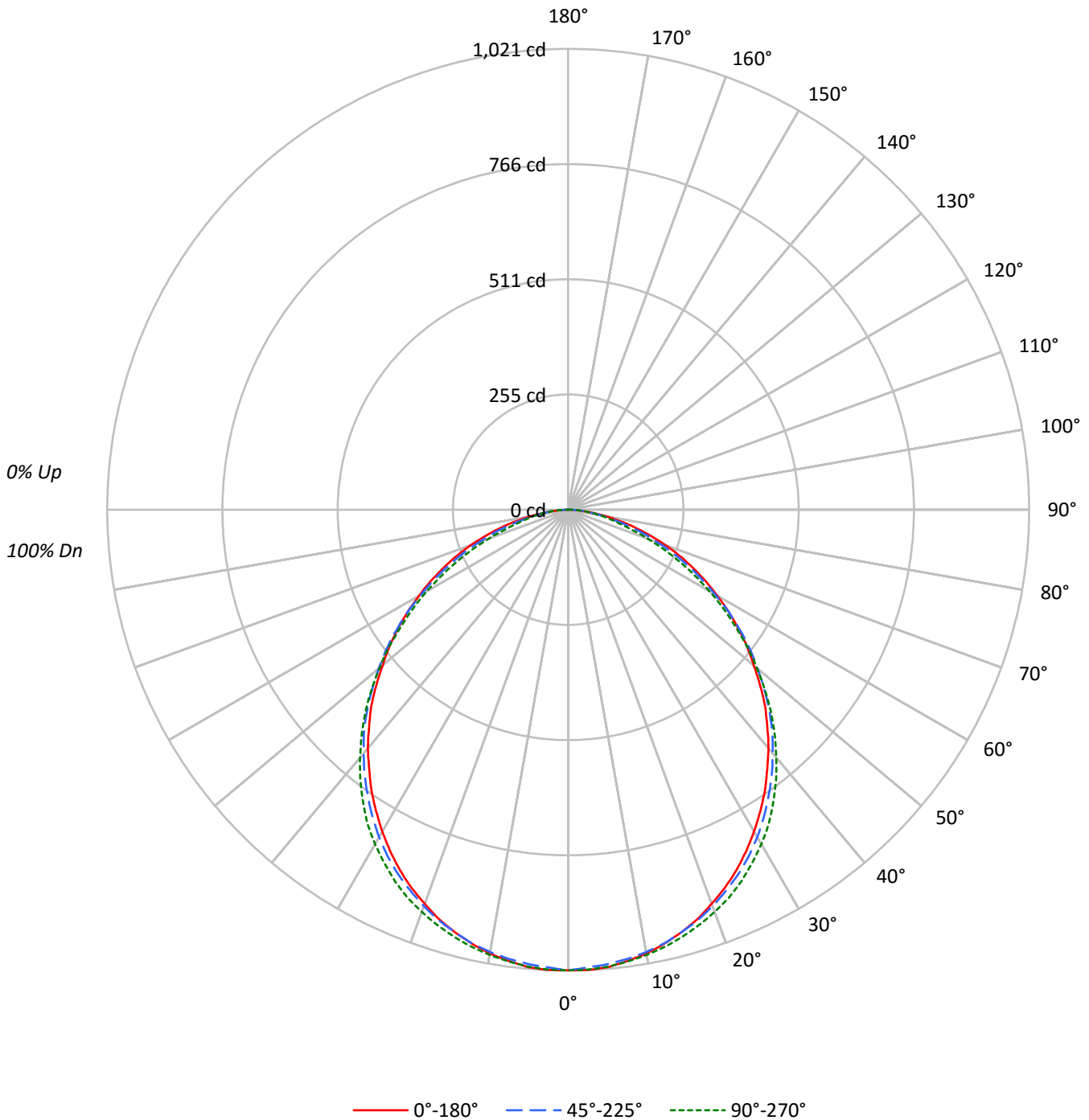
Input Watts (W): 24.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2746	2746	2746
5°	2748	2730	2745
10°	2728	2719	2737
15°	2700	2700	2728
20°	2661	2677	2715
25°	2616	2646	2696
30°	2558	2603	2658
35°	2495	2543	2601
40°	2425	2476	2519
45°	2347	2398	2420
50°	2246	2293	2283
55°	2161	2177	2119
60°	2053	2023	1945
65°	1939	1861	1733
70°	1799	1650	1466
75°	1600	1415	1206
80°	1331	1158	1124
85°	963	1034	1034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	3.7
10°-20°	274.4	10.4
20°-30°	411.2	15.6
30°-40°	484.5	18.4
40°-50°	483.2	18.4
50°-60°	411.0	15.6
60°-70°	286.9	10.9
70°-80°	145.8	5.5
80°-90°	38.1	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°	781.9	29.7
0°-40°	1266.4	48.1
0°-60°	2160.6	82.1
0°-90°	2631.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2631.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1021	1021	1021	1021	1021	
5°	1017	1015	1011	1016	1016	96
15°	969	969	969	978	979	273
25°	881	882	891	905	908	406
35°	760	761	774	790	792	475
45°	617	619	630	635	636	475
55°	461	461	464	457	452	412
65°	304	300	292	277	272	302
75°	154	148	136	119	116	163
85°	31	32	34	34	34	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1020.6	1020.6	1020.6	1020.6	1020.6
2.5°	1020.6	1019.5	1015.0	1019.5	1019.5
5°	1017.3	1015.0	1010.6	1016.1	1016.1
7.5°	1008.3	1007.2	1003.9	1009.5	1009.5
10°	998.3	997.2	995.0	1001.6	1001.6
12.5°	984.9	984.9	983.8	990.5	991.6
15°	969.3	969.3	969.3	978.2	979.3
17.5°	951.5	950.3	953.7	963.7	964.8
20°	929.1	930.3	934.7	945.9	948.1
22.5°	906.8	908.0	913.5	926.9	930.3
25°	881.2	882.3	891.2	904.6	908.0
27.5°	853.3	855.5	865.6	880.1	882.3
30°	823.2	825.4	837.7	852.2	855.5
32.5°	791.9	795.3	806.4	822.1	826.5
35°	759.6	760.7	774.1	789.7	791.9
37.5°	723.9	727.3	740.6	754.0	756.3
40°	690.4	692.7	704.9	716.1	717.2
42.5°	652.5	655.9	669.3	677.1	677.1
45°	616.8	619.1	630.2	634.7	635.8
47.5°	576.7	578.9	588.9	591.2	591.2
50°	536.5	542.1	547.7	547.7	545.4
52.5°	499.7	500.8	507.5	503.1	500.8
55°	460.7	460.7	464.0	457.3	451.7
57.5°	421.6	421.6	421.6	412.7	408.2
60°	381.5	380.4	375.9	364.7	361.4
62.5°	343.5	340.2	333.5	322.4	315.7
65°	304.5	300.0	292.2	276.6	272.2
67.5°	267.7	259.9	251.0	236.5	228.7
70°	228.7	222.0	209.7	193.0	186.3
72.5°	190.7	184.0	174.0	157.3	147.2
75°	153.9	148.4	136.1	119.4	116.0
77.5°	118.2	114.9	102.6	94.8	93.7
80°	85.9	84.8	74.7	72.5	72.5
82.5°	56.9	55.8	52.4	52.4	51.3
85°	31.2	32.3	33.5	33.5	33.5
87.5°	11.2	13.4	15.6	15.6	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)