

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: P257311

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-26L830-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2498.6 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

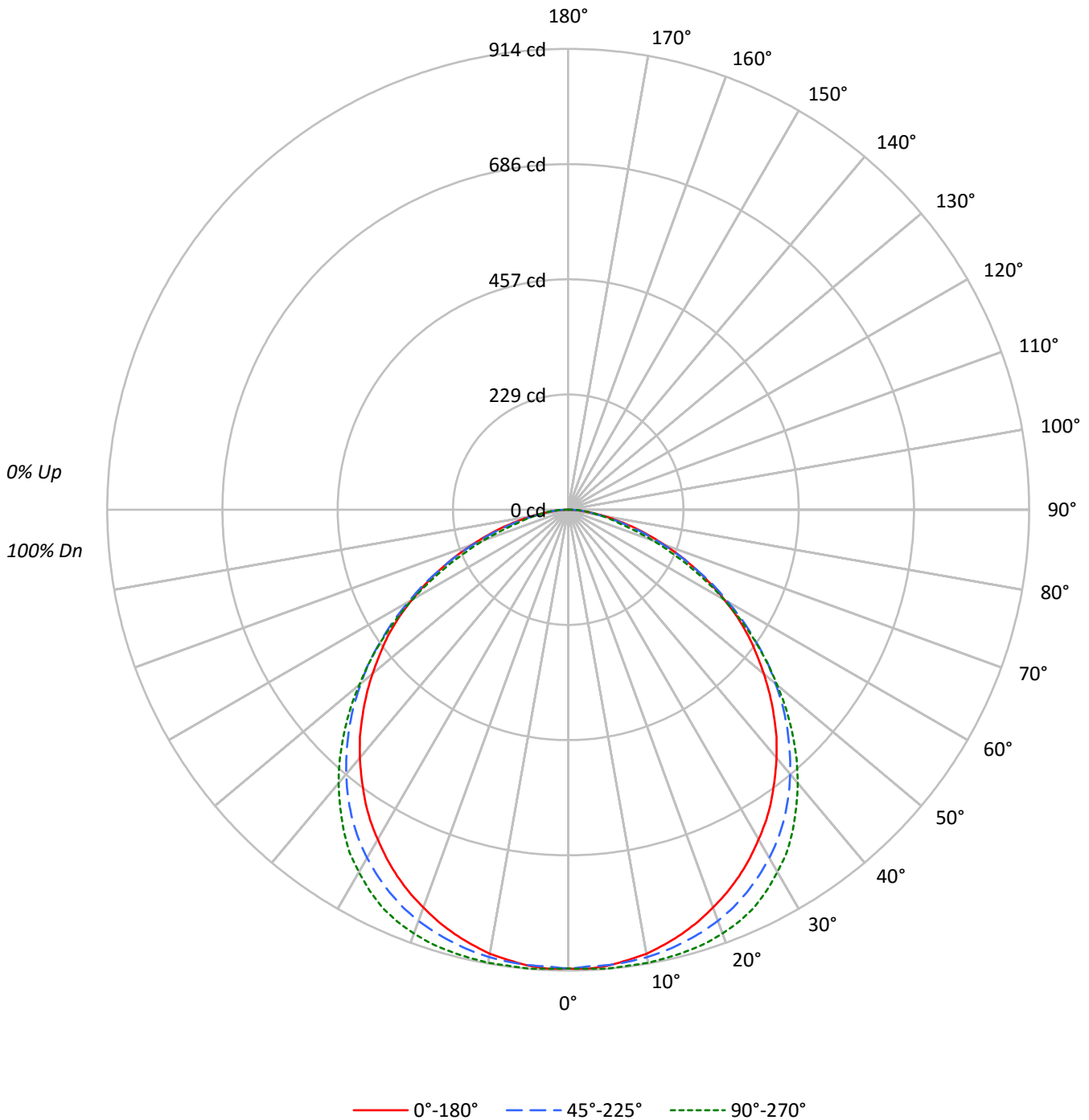
Input Watts (W): 24.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	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	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	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2449	2449	2449
5°	2452	2450	2468
10°	2444	2463	2493
15°	2427	2473	2526
20°	2405	2485	2562
25°	2381	2487	2586
30°	2346	2478	2578
35°	2308	2455	2550
40°	2257	2406	2488
45°	2194	2339	2394
50°	2120	2246	2264
55°	2046	2124	2114
60°	1927	1969	1921
65°	1775	1782	1683
70°	1589	1553	1413
75°	1380	1287	1090
80°	1106	1003	1003
85°	794	929	963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	3.5
10°-20°	251.2	10.1
20°-30°	385.8	15.4
30°-40°	464.6	18.6
40°-50°	469.5	18.8
50°-60°	400.5	16.0
60°-70°	274.1	11.0
70°-80°	132.3	5.3
80°-90°	34.1	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°	723.6	29.0
0°-40°	1188.1	47.6
0°-60°	2058.1	82.4
0°-90°	2498.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2498.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	908	908	907	912	914	86
15°	871	878	888	903	907	246
25°	802	814	838	862	871	369
35°	703	718	747	771	776	439
45°	577	592	614	629	629	445
55°	436	444	453	455	451	388
65°	279	282	280	270	264	277
75°	133	133	124	109	105	141
85°	26	28	30	31	31	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	910.1	910.1	910.1	910.1	910.1
2.5°	911.2	910.1	906.8	911.2	911.2
5°	907.9	907.9	906.8	912.3	913.5
7.5°	901.2	903.4	904.5	911.2	912.3
10°	894.5	896.7	901.2	910.1	912.3
12.5°	883.3	887.8	895.6	907.9	910.1
15°	871.1	877.8	887.8	903.4	906.8
17.5°	856.6	865.5	878.9	896.7	902.3
20°	839.8	849.9	867.7	887.8	894.5
22.5°	822.0	833.2	854.3	877.8	884.5
25°	801.9	814.2	837.6	862.2	871.1
27.5°	779.6	793.0	818.7	844.3	852.1
30°	755.1	769.6	797.5	823.1	829.8
32.5°	730.5	745.0	774.0	798.6	806.4
35°	702.7	718.3	747.3	770.7	776.3
37.5°	672.5	688.2	717.2	740.6	742.8
40°	642.4	658.0	684.8	706.0	708.2
42.5°	611.2	625.7	650.2	668.1	670.3
45°	576.6	592.2	614.5	629.0	629.0
47.5°	542.1	557.7	576.6	586.7	586.7
50°	506.4	520.9	536.5	542.1	540.9
52.5°	470.7	484.1	497.4	498.6	496.3
55°	436.1	443.9	452.8	455.1	450.6
57.5°	398.2	404.9	410.4	407.1	403.8
60°	358.0	364.7	365.8	360.3	356.9
62.5°	319.0	324.6	324.6	315.6	310.1
65°	278.8	282.2	279.9	269.9	264.3
67.5°	240.9	243.1	238.7	228.6	219.7
70°	201.9	203.0	197.4	185.1	179.6
72.5°	166.2	167.3	160.6	146.1	139.4
75°	132.7	132.7	123.8	109.3	104.8
77.5°	99.3	102.6	92.6	84.8	84.8
80°	71.4	74.7	64.7	65.8	64.7
82.5°	46.8	50.2	46.8	46.8	46.8
85°	25.7	27.9	30.1	31.2	31.2
87.5°	7.8	13.4	14.5	15.6	17.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)