

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: P258367

Luminaire Tested: **D3X-WD-36L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-36L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2767.7 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

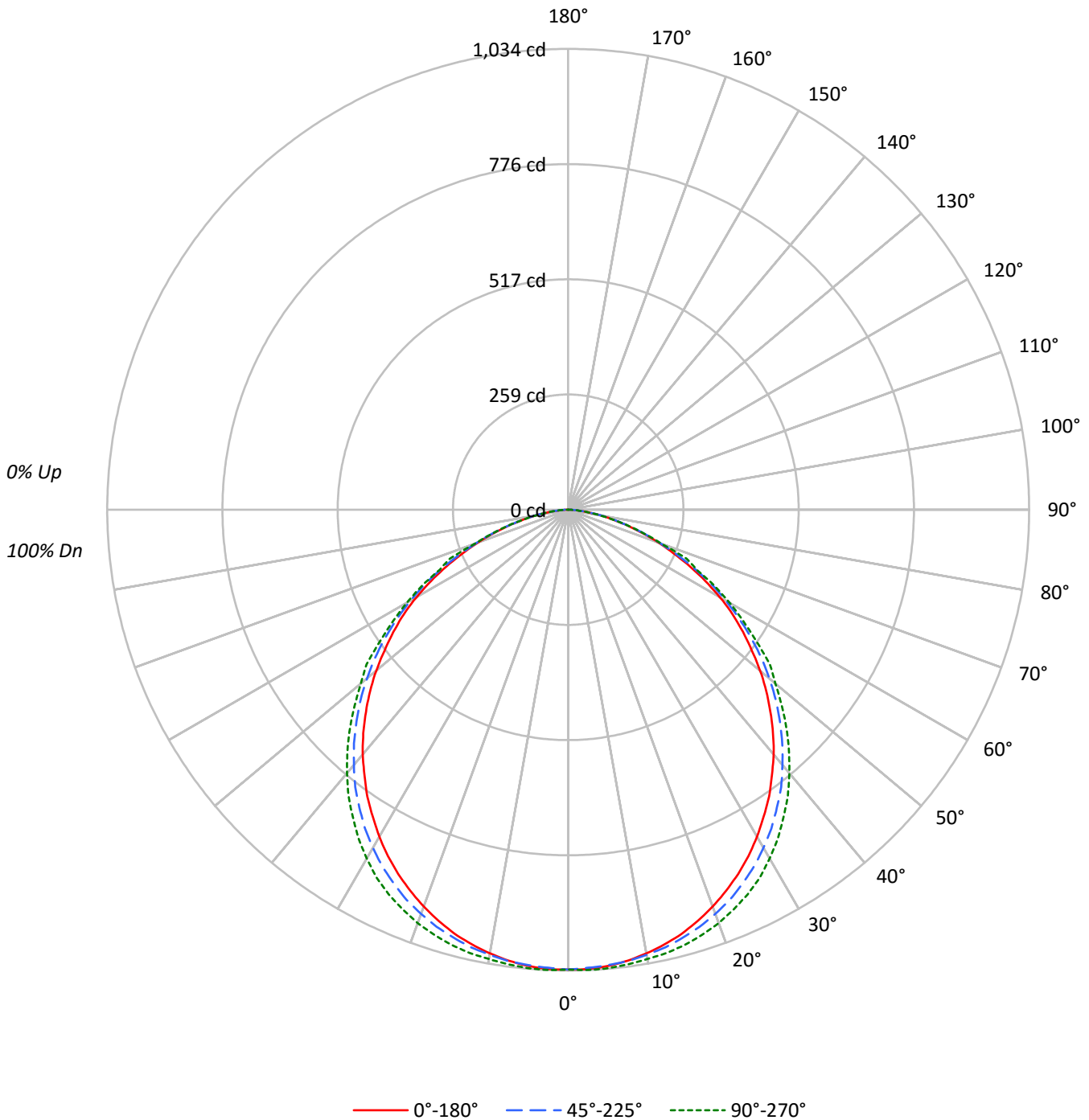
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	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	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1388	1388	1388
5°	1388	1385	1395
10°	1381	1385	1399
15°	1372	1385	1408
20°	1357	1382	1413
25°	1339	1374	1414
30°	1316	1361	1404
35°	1290	1341	1383
40°	1259	1313	1355
45°	1221	1277	1317
50°	1177	1233	1270
55°	1123	1174	1209
60°	1058	1098	1125
65°	961	993	1012
70°	844	864	875
75°	712	723	728
80°	570	577	562
85°	383	398	383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.8	3.5
10°-20°	281.2	10.2
20°-30°	426.6	15.4
30°-40°	509.4	18.4
40°-50°	515.7	18.6
50°-60°	445.7	16.1
60°-70°	308.9	11.2
70°-80°	149.5	5.4
80°-90°	32.9	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°	805.6	29.1
0°-40°	1315.0	47.5
0°-60°	2276.4	82.2
0°-90°	2767.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2767.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1032	1032	1032	1032	1032	
5°	1028	1027	1026	1031	1033	98
15°	985	987	994	1006	1011	278
25°	902	908	926	944	952	415
35°	786	792	816	837	842	491
45°	642	650	671	688	692	495
55°	479	484	500	521	515	428
65°	302	305	312	317	318	299
75°	137	138	139	138	140	147
85°	25	27	26	25	25	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1031.8	1031.8	1031.8	1031.8	1031.8
2.5°	1031.8	1030.8	1028.8	1031.8	1033.7
5°	1027.8	1026.8	1025.8	1030.8	1032.8
7.5°	1020.8	1020.8	1021.8	1026.8	1028.8
10°	1010.9	1011.9	1013.9	1021.8	1023.8
12.5°	999.0	1001.0	1005.9	1014.9	1018.9
15°	985.1	987.1	994.0	1005.9	1010.9
17.5°	967.2	971.2	981.1	995.0	1000.0
20°	947.4	952.3	965.2	981.1	987.1
22.5°	925.5	930.5	947.4	964.2	970.2
25°	901.7	907.6	925.5	944.4	952.3
27.5°	875.9	882.8	902.7	922.5	930.5
30°	847.1	855.0	875.9	896.7	903.7
32.5°	816.3	824.2	848.0	867.9	874.9
35°	785.5	792.4	816.3	837.1	842.1
37.5°	750.7	758.7	784.5	802.4	809.3
40°	717.0	724.9	747.8	765.6	771.6
42.5°	680.2	688.2	711.0	727.9	732.9
45°	641.5	650.4	671.3	688.2	692.1
47.5°	602.8	609.7	631.6	646.5	649.4
50°	562.1	569.0	588.9	603.8	606.7
52.5°	519.4	530.3	546.2	557.1	570.0
55°	478.6	483.6	500.5	521.3	515.4
57.5°	437.9	440.9	454.8	463.7	465.7
60°	393.2	397.2	408.1	413.1	418.1
62.5°	346.6	349.5	362.5	367.4	369.4
65°	301.9	304.9	311.8	316.8	317.8
67.5°	256.2	259.2	265.1	269.1	287.0
70°	214.5	216.5	219.5	227.4	222.4
72.5°	174.8	175.8	178.7	178.7	179.7
75°	137.0	138.0	139.0	138.0	140.0
77.5°	102.3	104.3	105.3	104.3	103.3
80°	73.5	75.5	74.5	72.5	72.5
82.5°	47.7	48.7	47.7	46.7	46.7
85°	24.8	26.8	25.8	24.8	24.8
87.5°	8.9	9.9	10.9	11.9	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)