

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: P257314

Luminaire Tested: **D3X-WD-26L930-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257314
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-26L930-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2160.8 lumens
Efficiency: N/A
Efficacy: 87.5 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

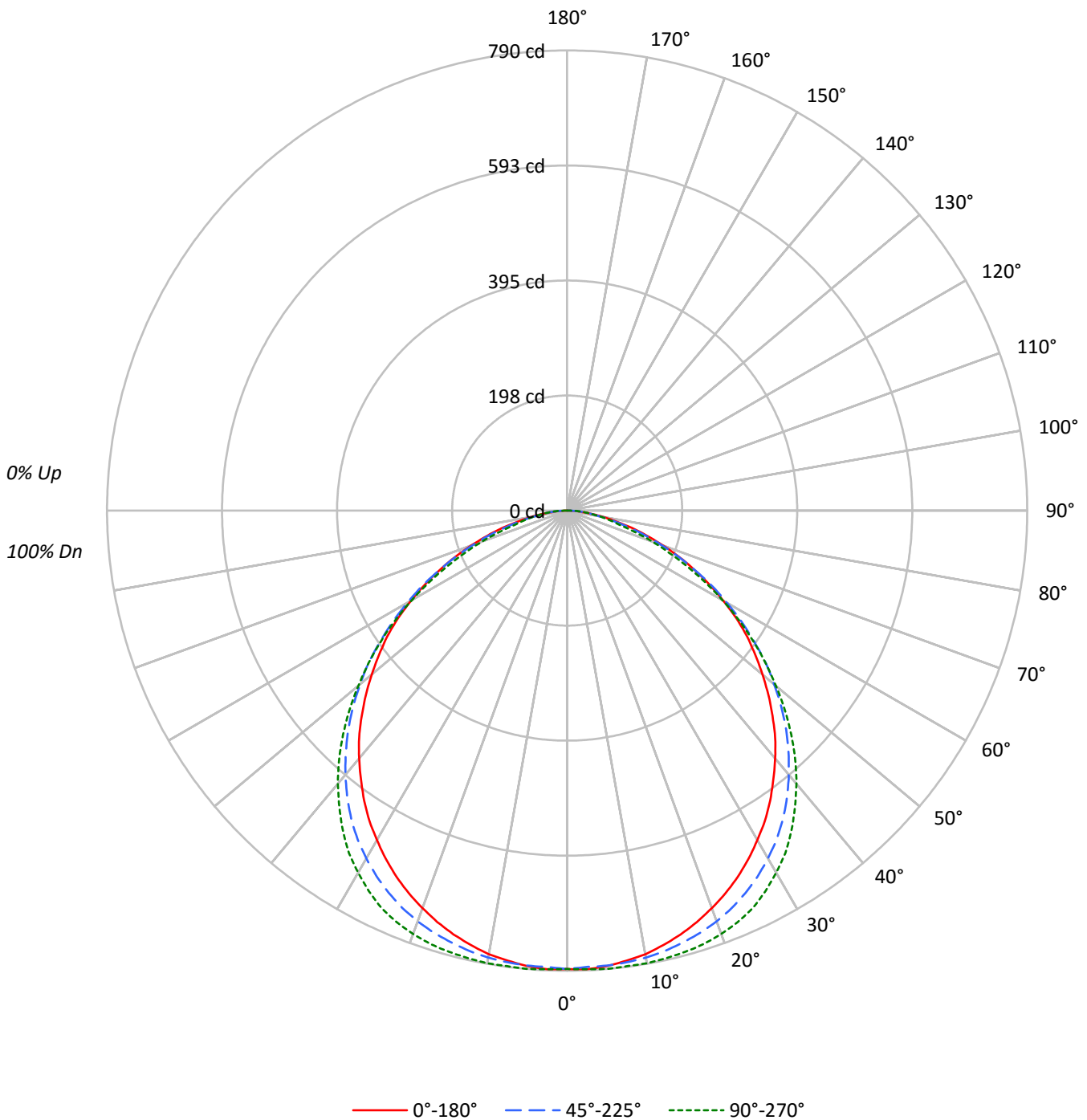
Input Watts (W): 24.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2118	2118	2118
5°	2121	2118	2134
10°	2114	2129	2156
15°	2099	2139	2185
20°	2080	2149	2215
25°	2059	2151	2237
30°	2029	2143	2230
35°	1996	2123	2205
40°	1952	2080	2152
45°	1898	2023	2070
50°	1833	1942	1958
55°	1769	1837	1828
60°	1666	1703	1661
65°	1535	1542	1456
70°	1374	1343	1222
75°	1194	1114	943
80°	956	866	866
85°	685	803	834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	3.5
10°-20°	217.3	10.1
20°-30°	333.6	15.4
30°-40°	401.8	18.6
40°-50°	406.0	18.8
50°-60°	346.3	16.0
60°-70°	237.1	11.0
70°-80°	114.4	5.3
80°-90°	29.5	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°	625.7	29.0
0°-40°	1027.5	47.6
0°-60°	1779.8	82.4
0°-90°	2160.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2160.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	787	787	787	787	787	
5°	785	785	784	789	790	75
15°	753	759	768	781	784	212
25°	694	704	724	746	753	319
35°	608	621	646	666	671	380
45°	499	512	532	544	544	385
55°	377	384	392	394	390	336
65°	241	244	242	233	229	239
75°	115	115	107	94	91	122
85°	22	24	26	27	27	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	787.0	787.0	787.0	787.0	787.0
2.5°	788.0	787.0	784.2	788.0	788.0
5°	785.1	785.1	784.2	789.0	789.9
7.5°	779.3	781.3	782.2	788.0	789.0
10°	773.5	775.5	779.3	787.0	789.0
12.5°	763.9	767.8	774.5	785.1	787.0
15°	753.3	759.1	767.8	781.3	784.2
17.5°	740.8	748.5	760.0	775.5	780.3
20°	726.3	735.0	750.4	767.8	773.5
22.5°	710.9	720.5	738.8	759.1	764.9
25°	693.5	704.1	724.4	745.6	753.3
27.5°	674.2	685.8	708.0	730.1	736.9
30°	653.0	665.5	689.6	711.8	717.6
32.5°	631.8	644.3	669.4	690.6	697.3
35°	607.6	621.2	646.2	666.5	671.3
37.5°	581.6	595.1	620.2	640.4	642.4
40°	555.6	569.1	592.2	610.5	612.5
42.5°	528.6	541.1	562.3	577.7	579.7
45°	498.7	512.2	531.5	544.0	544.0
47.5°	468.8	482.3	498.7	507.3	507.3
50°	437.9	450.4	463.9	468.8	467.8
52.5°	407.0	418.6	430.2	431.1	429.2
55°	377.1	383.9	391.6	393.5	389.7
57.5°	344.3	350.1	354.9	352.1	349.2
60°	309.6	315.4	316.4	311.5	308.6
62.5°	275.9	280.7	280.7	273.0	268.1
65°	241.1	244.0	242.1	233.4	228.6
67.5°	208.3	210.3	206.4	197.7	190.0
70°	174.6	175.5	170.7	160.1	155.3
72.5°	143.7	144.7	138.9	126.4	120.6
75°	114.8	114.8	107.1	94.5	90.7
77.5°	85.8	88.7	80.1	73.3	73.3
80°	61.7	64.6	55.9	56.9	55.9
82.5°	40.5	43.4	40.5	40.5	40.5
85°	22.2	24.1	26.0	27.0	27.0
87.5°	6.8	11.6	12.5	13.5	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)