

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: P257559

Luminaire Tested: **D3X-WO-26L840-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257559
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-26L840-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2741.1 lumens
Efficiency: N/A
Efficacy: 111.0 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

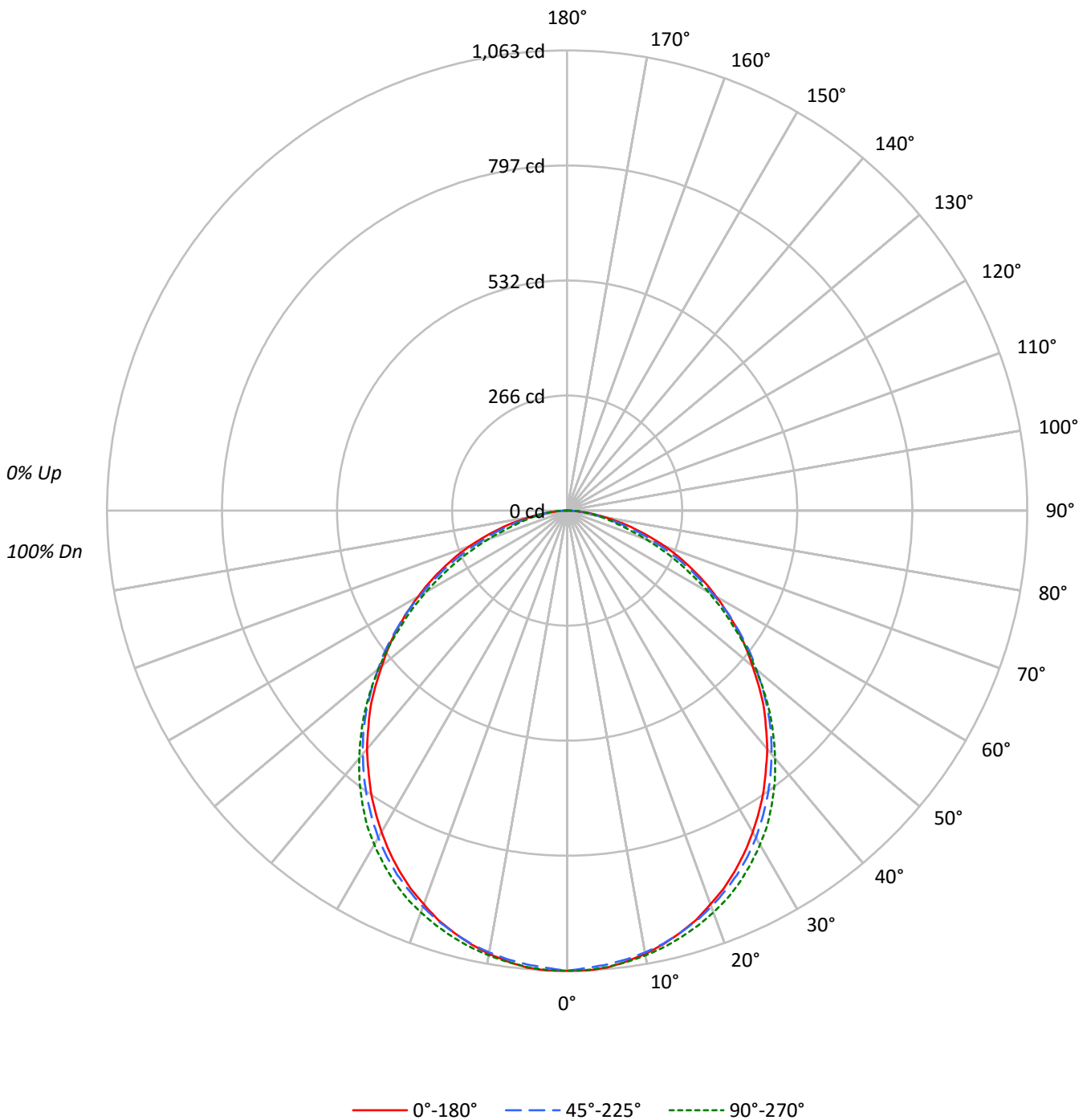
Input Watts (W): 24.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2861	2861	2861
5°	2863	2844	2859
10°	2842	2832	2851
15°	2813	2813	2842
20°	2772	2788	2828
25°	2725	2757	2808
30°	2664	2711	2769
35°	2599	2649	2710
40°	2526	2579	2624
45°	2445	2498	2520
50°	2340	2388	2379
55°	2251	2268	2208
60°	2139	2108	2026
65°	2020	1938	1805
70°	1874	1718	1526
75°	1667	1474	1256
80°	1387	1207	1170
85°	1003	1078	1078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	3.7
10°-20°	285.8	10.4
20°-30°	428.4	15.6
30°-40°	504.7	18.4
40°-50°	503.4	18.4
50°-60°	428.2	15.6
60°-70°	298.8	10.9
70°-80°	151.9	5.5
80°-90°	39.7	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°	814.5	29.7
0°-40°	1319.2	48.1
0°-60°	2250.7	82.1
0°-90°	2741.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2741.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1063	1063	1063	1063	1063	
5°	1060	1057	1053	1058	1058	100
15°	1010	1010	1010	1019	1020	285
25°	918	919	928	942	946	423
35°	791	792	806	823	825	494
45°	643	645	656	661	662	494
55°	480	480	483	476	471	429
65°	317	313	304	288	284	315
75°	160	154	142	124	121	170
85°	32	34	35	35	35	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1063.2	1063.2	1063.2	1063.2	1063.2
2.5°	1063.2	1062.0	1057.4	1062.0	1062.0
5°	1059.7	1057.4	1052.7	1058.5	1058.5
7.5°	1050.4	1049.2	1045.7	1051.6	1051.6
10°	1039.9	1038.8	1036.5	1043.4	1043.4
12.5°	1026.0	1026.0	1024.8	1031.8	1033.0
15°	1009.7	1009.7	1009.7	1019.0	1020.2
17.5°	991.1	990.0	993.5	1003.9	1005.1
20°	967.9	969.1	973.7	985.3	987.7
22.5°	944.7	945.8	951.6	965.6	969.1
25°	917.9	919.1	928.4	942.3	945.8
27.5°	888.9	891.2	901.7	916.8	919.1
30°	857.5	859.8	872.6	887.7	891.2
32.5°	825.0	828.5	840.1	856.4	861.0
35°	791.3	792.4	806.4	822.7	825.0
37.5°	754.1	757.6	771.5	785.5	787.8
40°	719.2	721.6	734.3	746.0	747.1
42.5°	679.7	683.2	697.2	705.3	705.3
45°	642.6	644.9	656.5	661.1	662.3
47.5°	600.7	603.0	613.5	615.8	615.8
50°	558.9	564.7	570.5	570.5	568.2
52.5°	520.6	521.7	528.7	524.0	521.7
55°	479.9	479.9	483.4	476.4	470.6
57.5°	439.2	439.2	439.2	429.9	425.3
60°	397.4	396.2	391.6	380.0	376.5
62.5°	357.9	354.4	347.4	335.8	328.8
65°	317.2	312.6	304.4	288.2	283.5
67.5°	278.9	270.7	261.4	246.3	238.2
70°	238.2	231.2	218.4	201.0	194.0
72.5°	198.7	191.7	181.3	163.8	153.4
75°	160.3	154.5	141.8	124.3	120.8
77.5°	123.2	119.7	106.9	98.8	97.6
80°	89.5	88.3	77.9	75.5	75.5
82.5°	59.3	58.1	54.6	54.6	53.4
85°	32.5	33.7	34.9	34.9	34.9
87.5°	11.6	13.9	16.3	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)