

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: P257433

Luminaire Tested: **D3X-WG-23L940-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-23L940-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (112) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2057.3 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

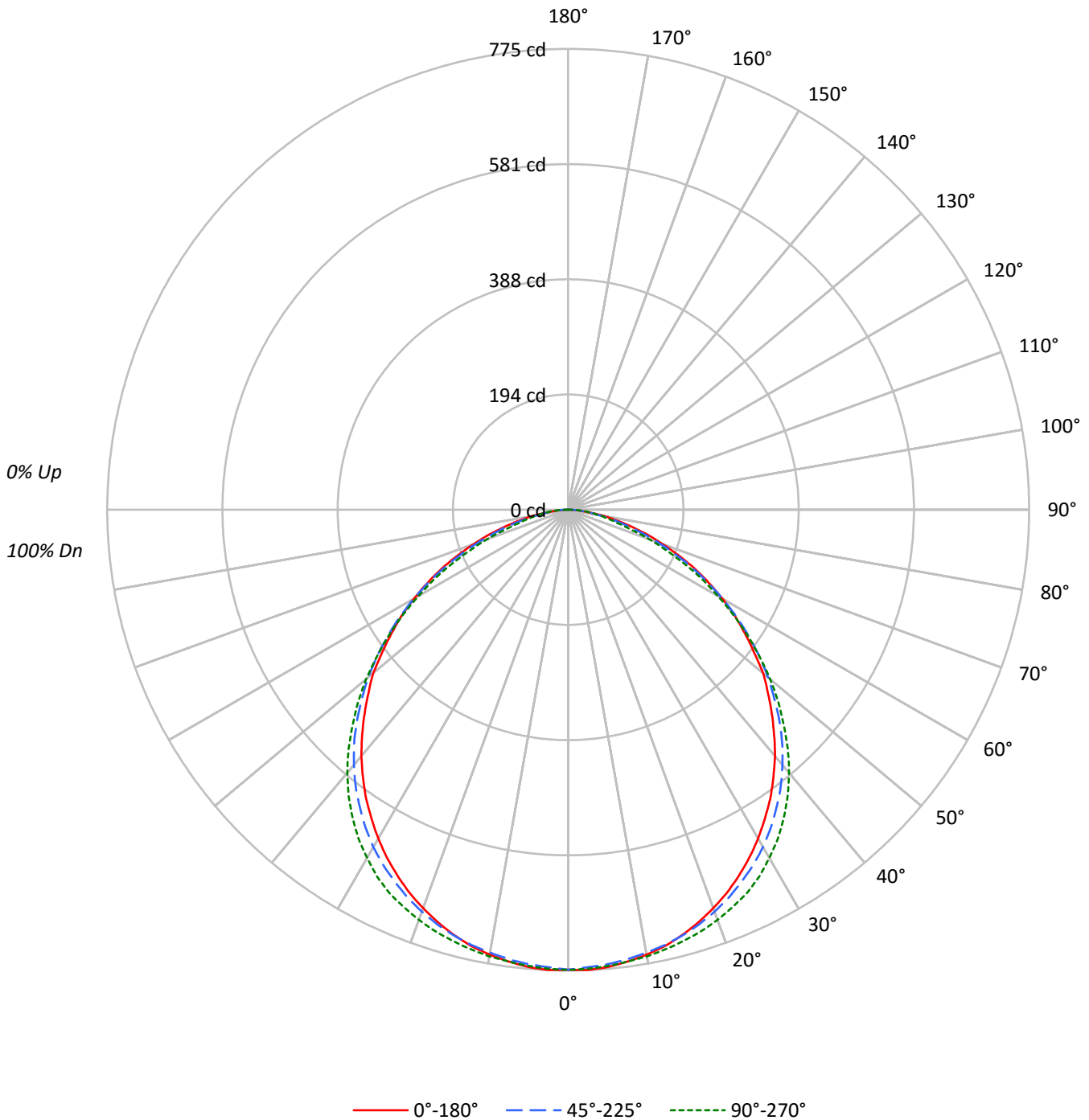
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	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	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2082	2082	2082
5°	2085	2073	2080
10°	2076	2067	2084
15°	2063	2066	2091
20°	2042	2060	2103
25°	2016	2049	2112
30°	1984	2036	2101
35°	1946	2007	2076
40°	1900	1968	2030
45°	1842	1912	1950
50°	1791	1837	1856
55°	1701	1735	1727
60°	1609	1609	1565
65°	1494	1459	1377
70°	1325	1267	1144
75°	1148	1043	880
80°	941	812	798
85°	624	738	797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	3.6
10°-20°	210.0	10.2
20°-30°	319.2	15.5
30°-40°	382.1	18.6
40°-50°	385.4	18.7
50°-60°	328.3	16.0
60°-70°	224.5	10.9
70°-80°	107.5	5.2
80°-90°	27.2	1.3
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°	602.3	29.3
0°-40°	984.4	47.9
0°-60°	1698.1	82.5
0°-90°	2057.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2057.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	772	771	767	771	770	73
15°	741	739	742	750	751	209
25°	679	680	690	706	711	313
35°	592	594	611	628	632	370
45°	484	488	502	512	512	374
55°	362	364	370	371	368	325
65°	235	230	229	221	216	231
75°	110	109	100	87	85	118
85°	20	22	24	25	26	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	773.7	773.7	773.7	773.7	773.7
2.5°	774.7	773.7	770.1	773.7	772.8
5°	771.9	771.0	767.3	771.0	770.1
7.5°	766.4	765.5	762.7	766.4	766.4
10°	759.9	758.1	756.3	761.8	762.7
12.5°	751.7	749.8	749.8	756.3	757.2
15°	740.6	738.8	741.5	749.8	750.7
17.5°	727.7	726.8	731.4	741.5	743.4
20°	713.0	712.1	719.5	731.4	734.2
22.5°	697.4	697.4	705.7	719.5	723.1
25°	679.0	679.9	690.0	705.7	711.2
27.5°	659.7	661.5	673.5	690.9	695.5
30°	638.5	641.3	655.1	671.6	676.2
32.5°	615.5	618.3	633.9	651.4	656.0
35°	592.5	594.3	610.9	628.4	632.1
37.5°	566.7	569.5	587.0	602.6	606.3
40°	541.0	543.7	560.3	575.0	577.8
42.5°	512.4	516.1	532.7	544.6	546.5
45°	483.9	487.6	502.3	512.4	512.4
47.5°	455.4	457.2	470.1	480.2	479.3
50°	427.8	426.9	438.8	443.4	443.4
52.5°	393.8	396.5	404.8	407.6	404.8
55°	362.5	364.3	369.8	370.8	368.0
57.5°	332.1	331.2	335.8	333.0	329.4
60°	299.0	299.0	299.0	296.2	290.7
62.5°	266.8	265.0	264.0	257.6	254.8
65°	234.6	230.0	229.1	220.8	216.2
67.5°	200.6	198.7	194.1	185.8	177.6
70°	168.4	166.5	161.0	150.9	145.4
72.5°	138.9	137.1	129.7	117.8	110.4
75°	110.4	108.6	100.3	87.4	84.6
77.5°	83.7	82.8	74.5	68.1	67.2
80°	60.7	59.8	52.4	52.4	51.5
82.5°	38.6	38.6	36.8	37.7	38.6
85°	20.2	22.1	23.9	24.8	25.8
87.5°	6.4	10.1	12.0	12.9	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)