

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: P257451

Luminaire Tested: **D3X-WG-35L940-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257451
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-35L940-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: 3108.6 lumens
Efficiency: N/A
Efficacy: 87.3 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

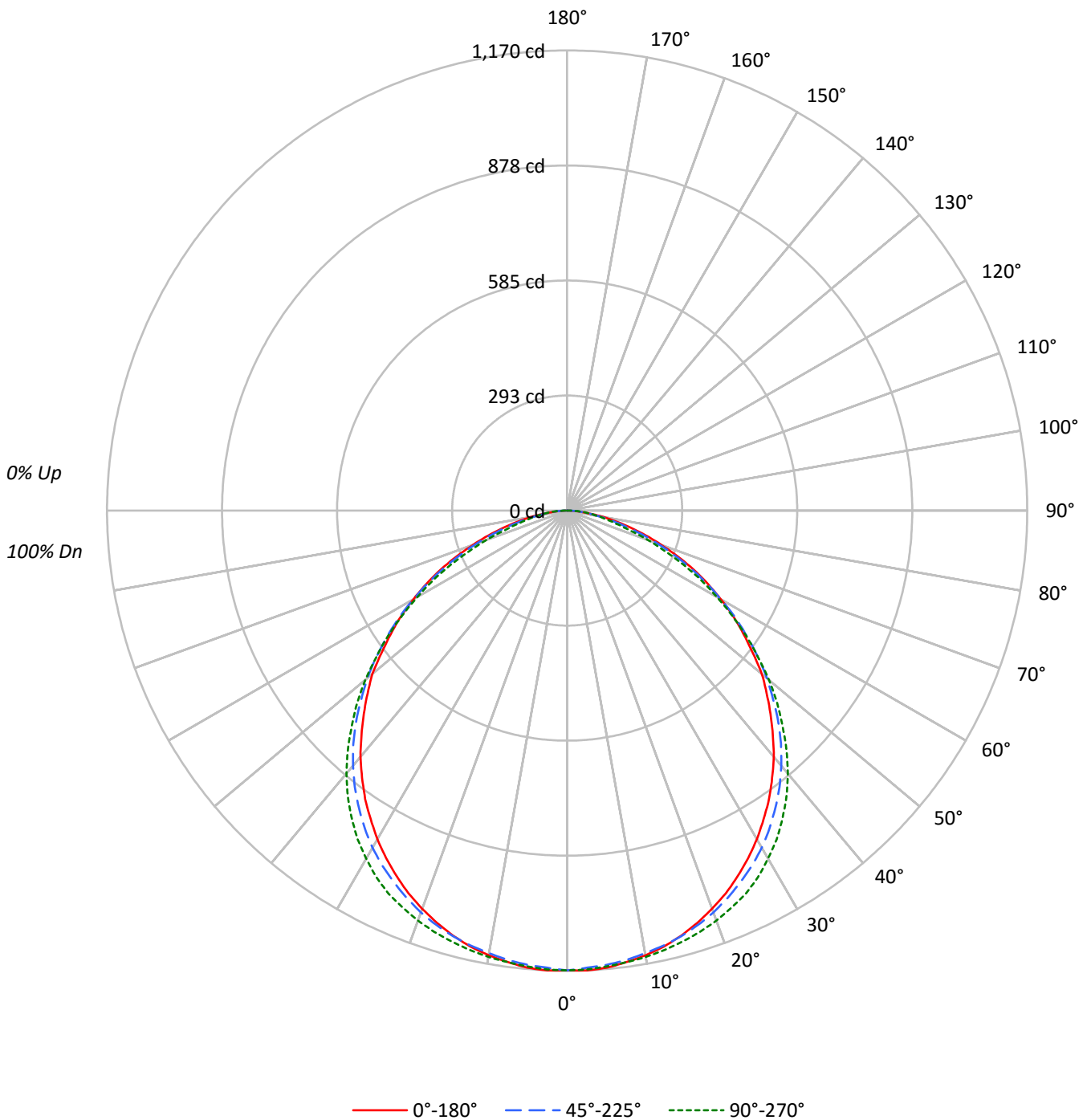
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3146	3146	3146
5°	3150	3132	3143
10°	3137	3122	3149
15°	3117	3121	3160
20°	3085	3113	3177
25°	3046	3096	3191
30°	2998	3076	3175
35°	2941	3032	3137
40°	2871	2974	3067
45°	2783	2888	2947
50°	2706	2776	2805
55°	2570	2622	2609
60°	2432	2432	2364
65°	2257	2204	2080
70°	2002	1914	1728
75°	1734	1575	1330
80°	1421	1227	1206
85°	945	1115	1201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.5	3.6
10°-20°	317.3	10.2
20°-30°	482.2	15.5
30°-40°	577.4	18.6
40°-50°	582.4	18.7
50°-60°	496.0	16.0
60°-70°	339.2	10.9
70°-80°	162.4	5.2
80°-90°	41.1	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°	910.1	29.3
0°-40°	1487.4	47.8
0°-60°	2565.8	82.5
0°-90°	3108.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3108.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1166	1165	1159	1165	1164	111
15°	1119	1116	1120	1133	1134	316
25°	1026	1027	1043	1066	1075	473
35°	895	898	923	949	955	559
45°	731	737	759	774	774	565
55°	548	550	559	560	556	490
65°	354	348	346	334	327	350
75°	167	164	152	132	128	178
85°	31	33	36	38	39	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1169.1	1169.1	1169.1	1169.1	1169.1
2.5°	1170.5	1169.1	1163.5	1169.1	1167.7
5°	1166.3	1164.9	1159.4	1164.9	1163.5
7.5°	1158.0	1156.6	1152.4	1158.0	1158.0
10°	1148.2	1145.4	1142.7	1151.0	1152.4
12.5°	1135.7	1132.9	1132.9	1142.7	1144.1
15°	1119.0	1116.3	1120.4	1132.9	1134.3
17.5°	1099.6	1098.2	1105.1	1120.4	1123.2
20°	1077.3	1075.9	1087.1	1105.1	1109.3
22.5°	1053.7	1053.7	1066.2	1087.1	1092.6
25°	1025.9	1027.3	1042.6	1066.2	1074.6
27.5°	996.7	999.5	1017.6	1044.0	1050.9
30°	964.7	968.9	989.8	1014.8	1021.7
32.5°	930.0	934.2	957.8	984.2	991.1
35°	895.2	898.0	923.0	949.4	955.0
37.5°	856.3	860.5	886.9	910.5	916.1
40°	817.4	821.6	846.6	868.8	873.0
42.5°	774.3	779.9	804.9	822.9	825.7
45°	731.2	736.8	759.0	774.3	774.3
47.5°	688.1	690.9	710.3	725.6	724.2
50°	646.4	645.0	663.1	670.0	670.0
52.5°	595.0	599.1	611.6	615.8	611.6
55°	547.7	550.5	558.8	560.2	556.0
57.5°	501.8	500.4	507.4	503.2	497.7
60°	451.8	451.8	451.8	447.6	439.3
62.5°	403.1	400.4	399.0	389.2	385.1
65°	354.5	347.5	346.1	333.6	326.7
67.5°	303.0	300.3	293.3	280.8	268.3
70°	254.4	251.6	243.3	228.0	219.6
72.5°	209.9	207.1	196.0	177.9	166.8
75°	166.8	164.0	151.5	132.1	127.9
77.5°	126.5	125.1	112.6	102.9	101.5
80°	91.7	90.4	79.2	79.2	77.8
82.5°	58.4	58.4	55.6	57.0	58.4
85°	30.6	33.4	36.1	37.5	38.9
87.5°	9.7	15.3	18.1	19.5	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)