

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: P257293

Luminaire Tested: **D3X-WD-35L940-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-35L940-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF
Light Source: (126) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2921.6 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

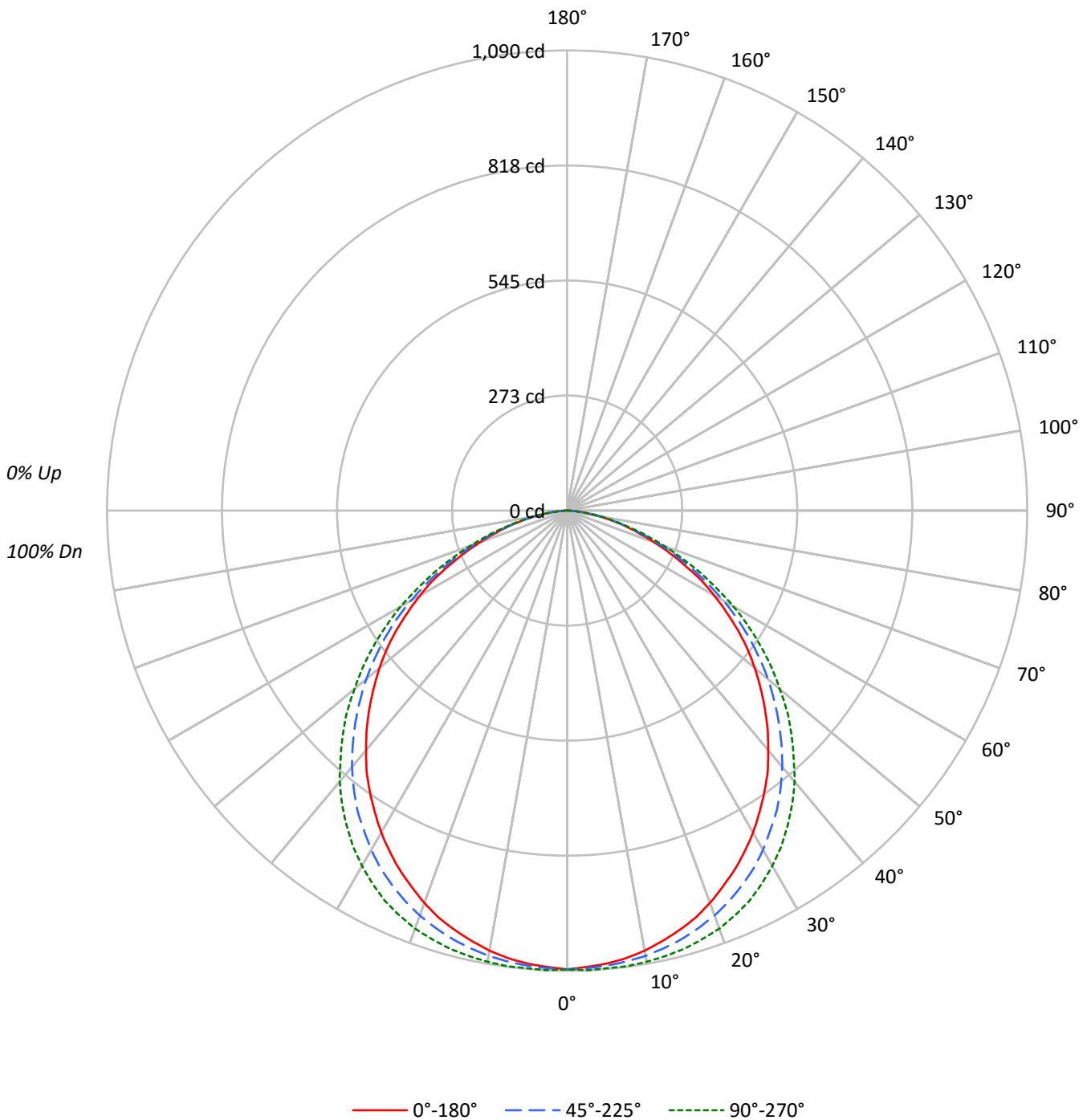
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	31	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°	2924	2924	2924
5°	2910	2922	2940
10°	2892	2926	2965
15°	2865	2927	2992
20°	2833	2923	3017
25°	2787	2909	3030
30°	2737	2883	3020
35°	2676	2847	2991
40°	2602	2784	2944
45°	2520	2699	2861
50°	2429	2601	2752
55°	2317	2472	2626
60°	2167	2302	2455
65°	1962	2083	2213
70°	1733	1819	1918
75°	1488	1521	1586
80°	1195	1218	1243
85°	874	778	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	3.5
10°-20°	296.6	10.2
20°-30°	451.2	15.4
30°-40°	539.8	18.5
40°-50°	545.7	18.7
50°-60°	469.6	16.1
60°-70°	324.2	11.1
70°-80°	157.2	5.4
80°-90°	34.1	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°	850.8	29.1
0°-40°	1390.6	47.6
0°-60°	2406.0	82.4
0°-90°	2921.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2921.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1087	1087	1087	1087	1087	
5°	1077	1079	1082	1087	1088	102
15°	1028	1035	1050	1066	1074	290
25°	939	950	980	1010	1021	432
35°	815	829	866	898	910	509
45°	662	675	709	739	752	511
55°	494	502	527	550	560	440
65°	308	313	327	341	348	307
75°	143	140	146	151	152	152
85°	28	28	25	25	25	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1086.7	1086.7	1086.7	1086.7	1086.7
2.5°	1081.9	1081.9	1085.1	1088.2	1089.8
5°	1077.2	1078.8	1081.9	1086.7	1088.2
7.5°	1069.4	1070.9	1077.2	1085.1	1088.2
10°	1058.4	1061.5	1070.9	1080.4	1085.1
12.5°	1044.2	1050.5	1061.5	1074.1	1080.4
15°	1028.5	1034.8	1050.5	1066.2	1074.1
17.5°	1011.2	1017.5	1036.3	1056.8	1064.6
20°	989.2	998.6	1020.6	1044.2	1053.6
22.5°	964.0	976.6	1001.7	1026.9	1037.9
25°	938.8	949.8	979.7	1009.6	1020.6
27.5°	910.5	923.1	956.1	986.0	997.0
30°	880.7	893.2	927.8	960.9	971.9
32.5°	847.6	863.4	896.4	931.0	943.6
35°	814.6	828.8	866.5	898.0	910.5
37.5°	780.0	792.6	830.3	863.4	875.9
40°	740.7	754.8	792.6	825.6	838.2
42.5°	703.0	717.1	751.7	783.2	794.2
45°	662.1	674.6	709.2	739.1	751.7
47.5°	621.2	635.3	665.2	695.1	707.7
50°	580.3	591.3	621.2	649.5	657.3
52.5°	537.8	547.3	574.0	599.2	610.2
55°	493.8	501.7	526.8	550.4	559.8
57.5°	446.6	456.1	479.6	496.9	507.9
60°	402.6	407.3	427.7	445.0	456.1
62.5°	358.6	360.1	375.9	393.1	399.4
65°	308.2	312.9	327.1	341.3	347.5
67.5°	262.6	267.3	278.3	289.4	294.1
70°	220.2	220.2	231.2	239.0	243.8
72.5°	177.7	179.3	187.1	191.9	196.6
75°	143.1	140.0	146.3	151.0	152.5
77.5°	106.9	105.4	110.1	111.7	114.8
80°	77.1	77.1	78.6	80.2	80.2
82.5°	50.3	50.3	51.9	48.8	47.2
85°	28.3	28.3	25.2	25.2	25.2
87.5°	9.4	9.4	9.4	11.0	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)