

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: P258487

Luminaire Tested: **D3X-WO-36L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-36L940-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3136.7 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

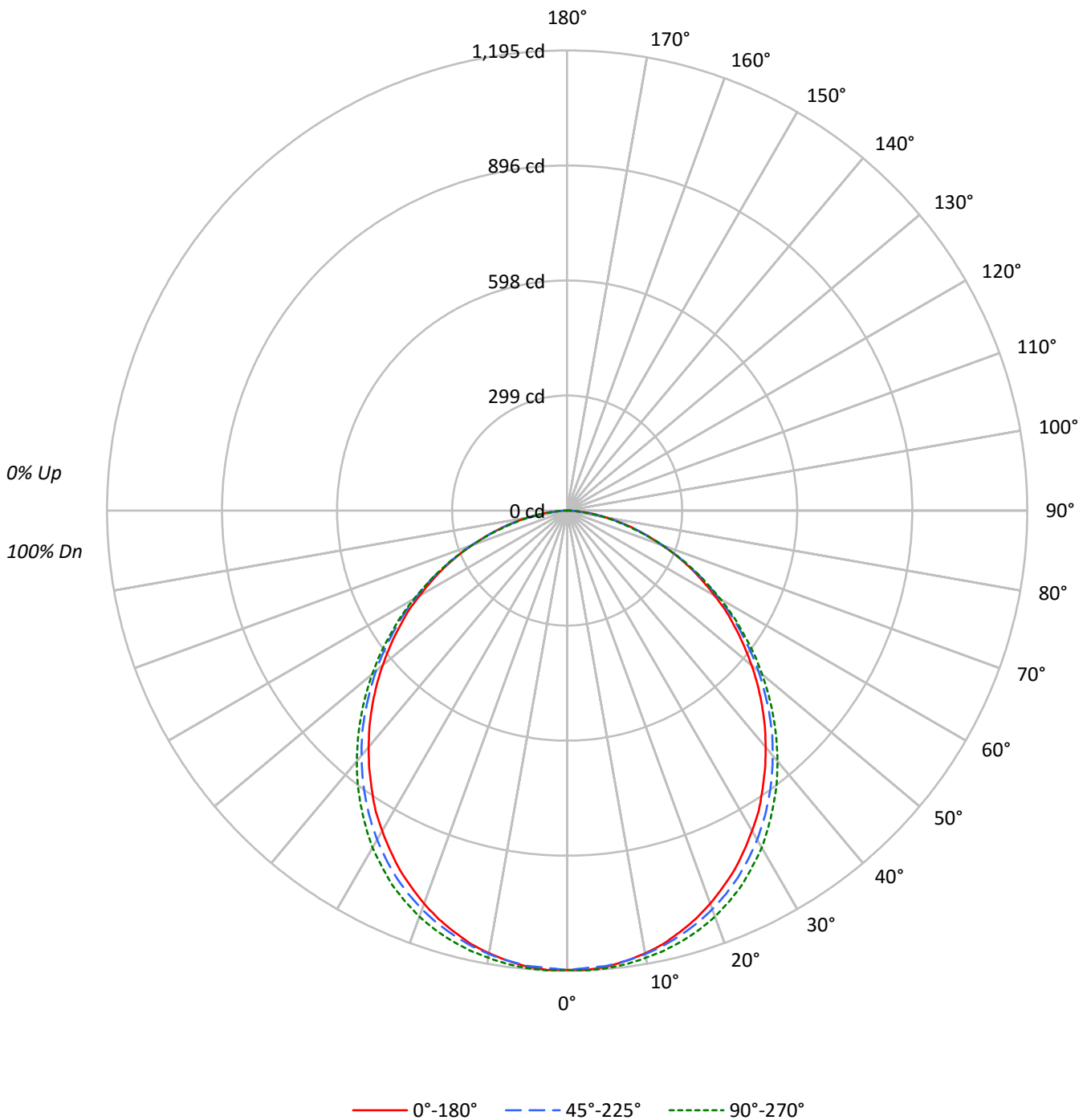
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1605	1605	1605
5°	1605	1603	1611
10°	1595	1598	1611
15°	1578	1590	1612
20°	1555	1578	1607
25°	1528	1559	1594
30°	1492	1533	1571
35°	1453	1499	1534
40°	1409	1459	1492
45°	1361	1412	1442
50°	1309	1358	1382
55°	1254	1294	1314
60°	1191	1223	1237
65°	1124	1140	1147
70°	1031	1043	1031
75°	928	923	895
80°	786	778	753
85°	587	571	506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	3.6
10°-20°	322.6	10.3
20°-30°	483.8	15.4
30°-40°	569.7	18.2
40°-50°	569.8	18.2
50°-60°	491.6	15.7
60°-70°	353.8	11.3
70°-80°	187.7	6.0
80°-90°	44.8	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°	919.4	29.3
0°-40°	1489.1	47.5
0°-60°	2550.5	81.3
0°-90°	3136.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3136.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1189	1188	1187	1191	1193	113
15°	1133	1136	1141	1153	1157	319
25°	1029	1036	1050	1068	1074	473
35°	884	895	913	929	934	553
45°	715	725	742	754	758	552
55°	535	540	552	561	560	478
65°	353	354	358	360	360	349
75°	179	176	178	173	172	190
85°	38	38	37	34	33	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1192.9	1192.9	1192.9	1192.9	1192.9
2.5°	1194.0	1191.9	1188.7	1192.9	1195.1
5°	1188.7	1187.7	1186.6	1190.8	1192.9
7.5°	1179.2	1180.3	1179.2	1185.5	1187.7
10°	1167.6	1168.6	1169.7	1177.1	1179.2
12.5°	1152.8	1153.8	1157.0	1166.5	1169.7
15°	1132.7	1135.9	1141.2	1152.8	1157.0
17.5°	1111.6	1115.8	1123.2	1136.9	1141.2
20°	1086.2	1091.5	1102.1	1116.9	1122.1
22.5°	1057.7	1063.0	1077.8	1093.6	1098.9
25°	1029.2	1035.5	1050.3	1068.3	1073.5
27.5°	995.3	1003.8	1019.7	1037.6	1041.8
30°	960.5	967.9	986.9	1003.8	1011.2
32.5°	925.6	933.0	951.0	967.9	973.2
35°	884.4	895.0	912.9	928.8	934.1
37.5°	844.2	853.8	872.8	888.6	893.9
40°	802.0	810.4	830.5	845.3	849.5
42.5°	759.7	768.2	788.2	799.9	804.1
45°	715.3	724.8	741.8	754.4	757.6
47.5°	671.0	678.4	694.2	705.8	710.1
50°	625.5	632.9	648.8	658.3	660.4
52.5°	580.1	585.4	600.2	608.6	611.8
55°	534.7	539.9	551.6	561.1	560.0
57.5°	491.3	493.4	505.1	511.4	511.4
60°	442.7	444.8	454.4	458.6	459.6
62.5°	397.3	400.5	407.9	408.9	408.9
65°	352.9	354.0	358.2	360.3	360.3
67.5°	308.5	307.5	311.7	311.7	310.6
70°	262.0	264.2	265.2	263.1	262.0
72.5°	219.8	218.7	218.7	217.7	217.7
75°	178.6	176.5	177.5	173.3	172.2
77.5°	140.5	137.4	136.3	134.2	132.1
80°	101.4	101.4	100.4	98.3	97.2
82.5°	67.6	67.6	66.6	64.5	62.3
85°	38.0	38.0	37.0	33.8	32.8
87.5°	12.7	12.7	12.7	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)