

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: P258428

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-36L940-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (252) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2949.7 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

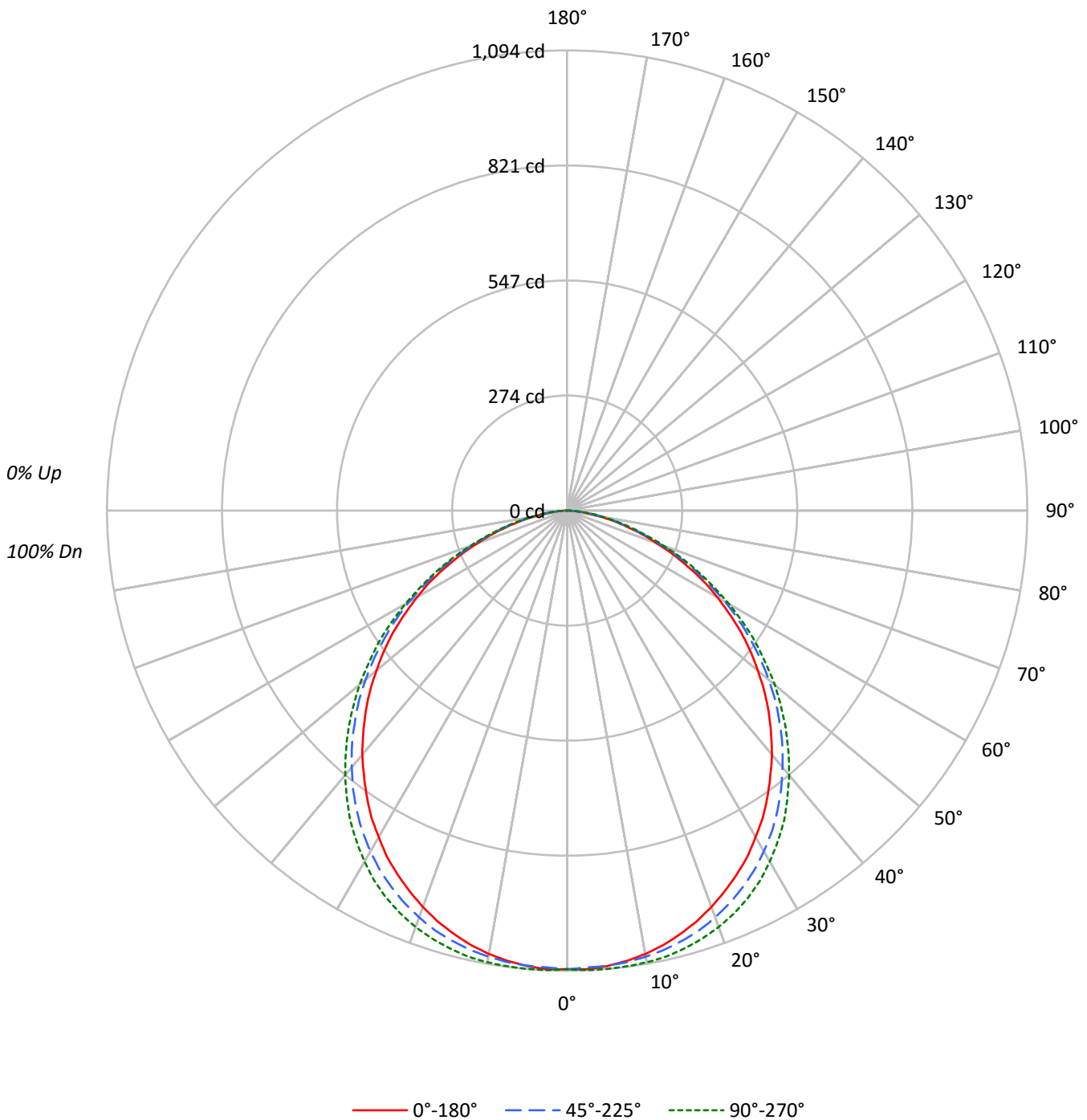
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	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		47	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	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1467	1467	1467
5°	1469	1467	1477
10°	1462	1471	1490
15°	1451	1475	1501
20°	1436	1474	1508
25°	1416	1467	1509
30°	1392	1453	1497
35°	1364	1432	1477
40°	1331	1399	1442
45°	1289	1359	1399
50°	1239	1309	1349
55°	1185	1244	1284
60°	1109	1166	1194
65°	1012	1067	1093
70°	889	935	960
75°	753	791	818
80°	597	655	671
85°	408	489	472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	3.5
10°-20°	299.1	10.1
20°-30°	454.6	15.4
30°-40°	542.4	18.4
40°-50°	547.8	18.6
50°-60°	472.0	16.0
60°-70°	329.0	11.2
70°-80°	163.1	5.5
80°-90°	38.0	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°	857.3	29.1
0°-40°	1399.8	47.5
0°-60°	2419.6	82.0
0°-90°	2949.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2949.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1087	1086	1086	1092	1094	103
15°	1042	1047	1059	1072	1078	294
25°	954	967	988	1008	1016	440
35°	830	844	872	892	899	519
45°	677	692	714	731	735	522
55°	505	516	530	543	547	450
65°	318	324	335	338	343	316
75°	145	147	152	155	157	156
85°	26	32	32	30	31	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.4	1090.4	1090.4	1090.4	1090.4
2.5°	1091.5	1089.4	1087.3	1091.5	1093.6
5°	1087.3	1086.2	1086.2	1091.5	1093.6
7.5°	1079.9	1079.9	1083.0	1090.4	1092.6
10°	1070.4	1072.5	1076.7	1087.3	1090.4
12.5°	1057.7	1061.9	1069.3	1082.0	1086.2
15°	1041.8	1047.1	1058.7	1072.5	1077.8
17.5°	1023.9	1031.3	1046.1	1061.9	1067.2
20°	1002.7	1012.3	1029.2	1047.1	1053.5
22.5°	979.5	991.1	1010.1	1029.2	1036.6
25°	954.1	966.8	988.0	1008.0	1016.5
27.5°	927.7	940.4	963.6	983.7	992.2
30°	896.0	910.8	935.1	956.3	963.6
32.5°	865.4	880.2	905.5	924.6	932.0
35°	830.5	844.2	871.7	891.8	899.2
37.5°	793.5	809.4	835.8	853.8	860.1
40°	757.6	771.3	796.7	814.7	821.0
42.5°	717.5	732.2	757.6	773.5	778.7
45°	677.3	692.1	714.3	731.2	735.4
47.5°	636.1	649.8	672.0	685.8	690.0
50°	591.7	604.4	625.5	639.3	644.5
52.5°	549.4	561.1	579.0	590.7	593.8
55°	505.1	515.6	530.4	543.1	547.3
57.5°	457.5	469.1	482.9	493.4	496.6
60°	412.1	421.6	433.2	442.7	443.8
62.5°	367.7	371.9	382.5	391.0	392.0
65°	318.0	324.4	335.0	338.1	343.4
67.5°	272.6	276.8	285.3	289.5	293.7
70°	226.1	229.3	237.7	243.0	244.1
72.5°	186.0	187.0	193.4	197.6	198.6
75°	144.8	146.9	152.2	155.3	157.4
77.5°	109.9	112.0	116.2	118.3	118.3
80°	77.1	80.3	84.5	85.6	86.6
82.5°	49.7	53.9	57.1	58.1	56.0
85°	26.4	31.7	31.7	29.6	30.6
87.5°	9.5	11.6	12.7	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)