

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: P258420

Luminaire Tested: **D3X-WG-31L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258420
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-31L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2413.8 lumens
Efficiency: N/A
Efficacy: 108.7 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

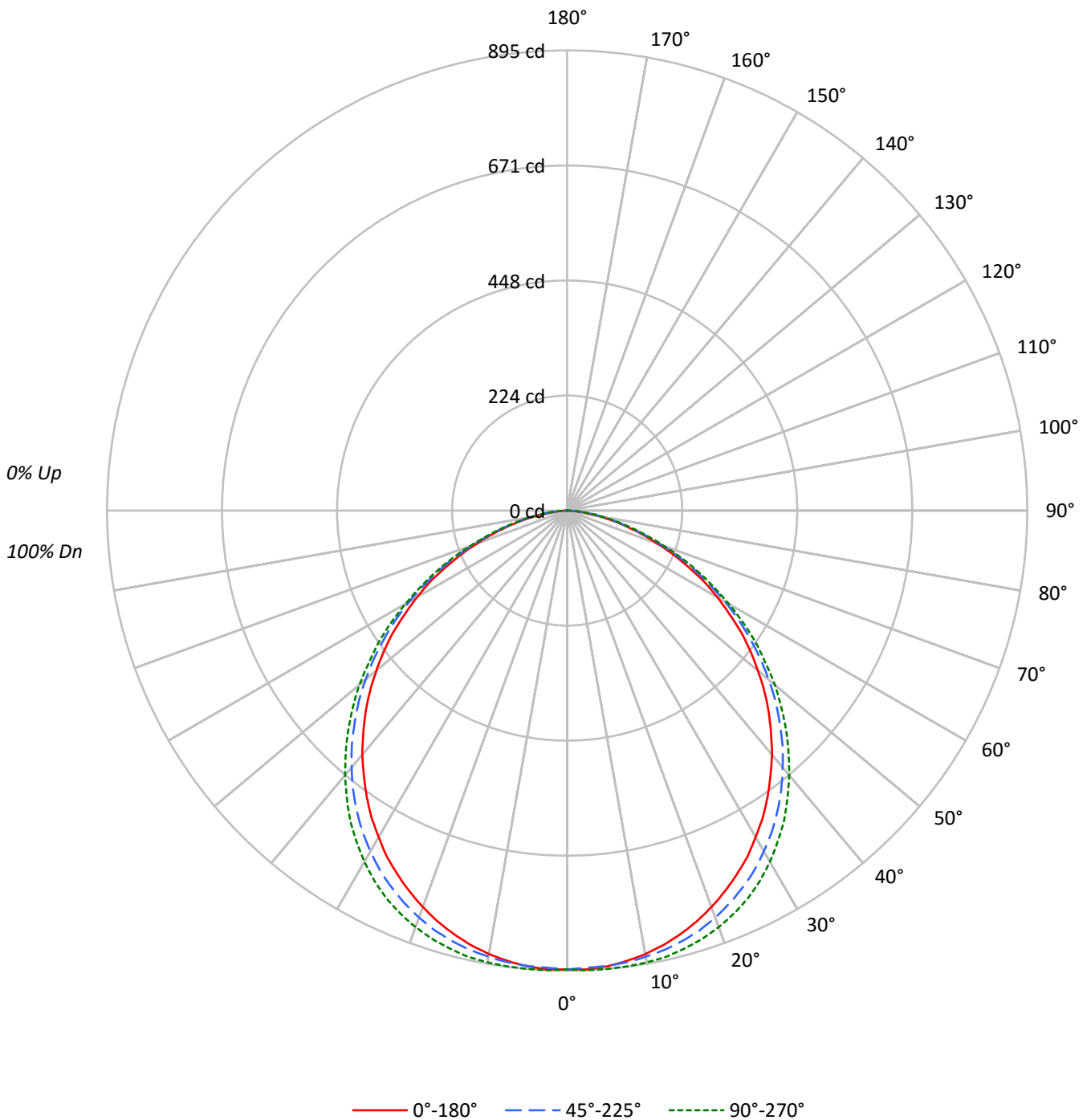
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1201	1201	1201
5°	1202	1201	1209
10°	1197	1204	1219
15°	1188	1207	1229
20°	1175	1206	1234
25°	1159	1200	1235
30°	1139	1189	1225
35°	1116	1172	1209
40°	1089	1145	1180
45°	1055	1112	1145
50°	1014	1072	1104
55°	970	1018	1051
60°	907	954	977
65°	829	873	895
70°	728	766	786
75°	616	647	670
80°	489	536	549
85°	333	400	387



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	3.5
10°-20°	244.8	10.1
20°-30°	372.0	15.4
30°-40°	443.9	18.4
40°-50°	448.3	18.6
50°-60°	386.2	16.0
60°-70°	269.3	11.2
70°-80°	133.4	5.5
80°-90°	31.1	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°	701.6	29.1
0°-40°	1145.5	47.5
0°-60°	1980.0	82.0
0°-90°	2413.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2413.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	890	889	889	893	895	84
15°	853	857	866	878	882	240
25°	781	791	808	825	832	360
35°	680	691	713	730	736	425
45°	554	566	584	598	602	427
55°	413	422	434	444	448	368
65°	260	266	274	277	281	258
75°	118	120	124	127	129	128
85°	22	26	26	24	25	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	892.3	892.3	892.3	892.3	892.3
2.5°	893.2	891.5	889.8	893.2	894.9
5°	889.8	888.9	888.9	893.2	894.9
7.5°	883.7	883.7	886.3	892.3	894.1
10°	875.9	877.6	881.1	889.8	892.3
12.5°	865.5	869.0	875.1	885.4	888.9
15°	852.6	856.9	866.4	877.6	882.0
17.5°	837.9	843.9	856.0	869.0	873.3
20°	820.6	828.4	842.2	856.9	862.1
22.5°	801.6	811.1	826.6	842.2	848.3
25°	780.8	791.2	808.5	824.9	831.8
27.5°	759.2	769.6	788.6	805.0	811.9
30°	733.2	745.4	765.2	782.5	788.6
32.5°	708.2	720.3	741.0	756.6	762.6
35°	679.6	690.9	713.4	729.8	735.8
37.5°	649.4	662.3	684.0	698.7	703.8
40°	620.0	631.2	652.0	666.7	671.9
42.5°	587.1	599.2	620.0	632.9	637.3
45°	554.3	566.4	584.5	598.4	601.8
47.5°	520.5	531.8	549.9	561.2	564.6
50°	484.2	494.6	511.9	523.1	527.5
52.5°	449.6	459.1	473.8	483.4	485.9
55°	413.3	422.0	434.1	444.4	447.9
57.5°	374.4	383.9	395.2	403.8	406.4
60°	337.2	345.0	354.5	362.3	363.2
62.5°	300.9	304.4	313.0	319.9	320.8
65°	260.3	265.5	274.1	276.7	281.0
67.5°	223.1	226.5	233.5	236.9	240.4
70°	185.0	187.6	194.6	198.9	199.7
72.5°	152.2	153.0	158.2	161.7	162.6
75°	118.5	120.2	124.5	127.1	128.8
77.5°	89.9	91.7	95.1	96.8	96.8
80°	63.1	65.7	69.2	70.0	70.9
82.5°	40.6	44.1	46.7	47.6	45.8
85°	21.6	25.9	25.9	24.2	25.1
87.5°	7.8	9.5	10.4	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)