

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: P302450

Luminaire Tested: **ZX-WO-30L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-30L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

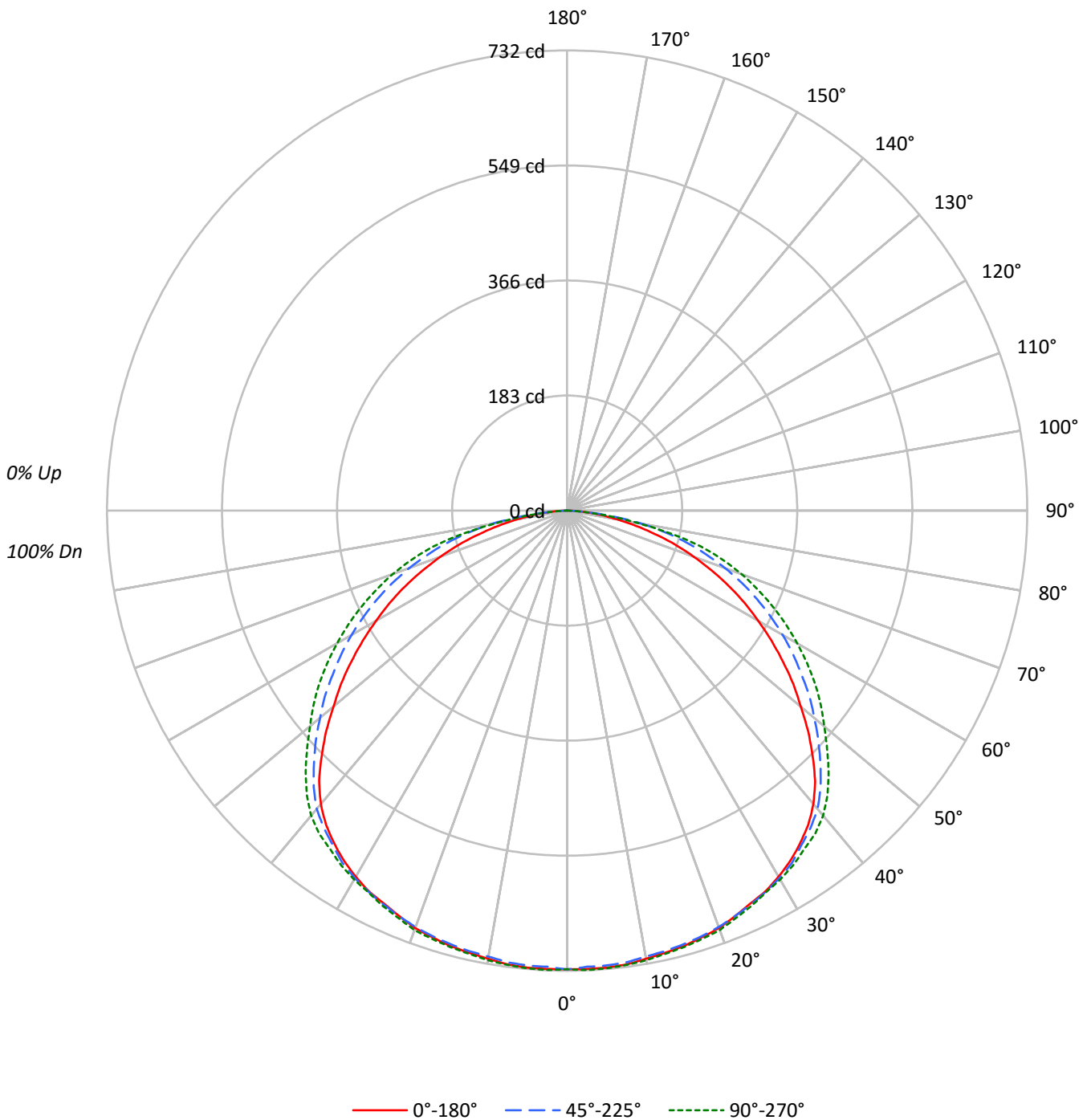
Lumens per Lamp: N/A
Luminaire Lumens: 2414.2 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.3
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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74		81	76	72		77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52		62	56	51		60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24		35	29	24		35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	982	982	982
5°	986	981	987
10°	989	984	992
15°	999	995	1001
20°	1012	1009	1017
25°	1024	1026	1030
30°	1045	1049	1053
35°	1061	1067	1080
40°	1071	1089	1113
45°	1051	1084	1119
50°	1015	1074	1117
55°	984	1068	1130
60°	945	1067	1138
65°	904	1061	1148
70°	842	1050	1161
75°	753	1024	1143
80°	628	945	879
85°	474	553	460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	2.9
10°-20°	202.8	8.4
20°-30°	319.9	13.2
30°-40°	408.4	16.9
40°-50°	439.9	18.2
50°-60°	405.3	16.8
60°-70°	324.2	13.4
70°-80°	199.0	8.2
80°-90°	45.4	1.9
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°	592.1	24.5
0°-40°	1000.5	41.4
0°-60°	1845.6	76.5
0°-90°	2414.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2414.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	730	730	726	731	731	69
15°	717	718	714	719	719	203
25°	690	690	691	695	694	319
35°	646	648	650	656	657	404
45°	552	558	570	584	588	425
55°	419	430	455	476	482	375
65°	284	303	333	354	361	280
75°	145	168	197	215	220	154
85°	31	41	36	32	30	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	729.7	729.7	729.7	729.7	729.7
2.5°	729.7	730.6	726.3	730.6	731.5
5°	729.7	729.7	726.3	730.6	730.6
7.5°	728.0	728.0	724.6	728.9	728.9
10°	723.8	723.8	720.4	724.6	726.3
12.5°	720.4	720.4	717.8	722.1	722.1
15°	717.0	717.8	714.4	718.7	718.7
17.5°	711.8	711.8	710.1	713.6	714.4
20°	706.7	706.7	705.0	709.3	710.1
22.5°	698.2	699.1	698.2	701.6	701.6
25°	689.7	690.5	691.4	694.8	693.9
27.5°	682.9	683.7	683.7	687.1	684.6
30°	672.6	675.2	675.2	676.9	677.7
32.5°	660.7	664.1	665.0	668.4	669.2
35°	646.2	647.9	649.6	656.4	657.3
37.5°	630.0	634.3	636.0	645.4	647.9
40°	609.5	614.7	619.8	631.7	633.4
42.5°	584.0	589.9	596.8	609.5	613.0
45°	552.4	558.4	569.5	584.0	588.2
47.5°	520.0	526.9	542.2	557.5	561.0
50°	485.1	495.3	513.2	531.1	533.7
52.5°	453.5	463.8	485.9	504.7	508.9
55°	419.4	430.5	455.2	475.7	481.7
57.5°	385.3	399.8	426.3	446.7	452.7
60°	351.2	366.6	396.4	415.2	422.8
62.5°	318.0	335.0	364.9	386.2	392.2
65°	283.9	302.6	333.3	353.8	360.6
67.5°	248.9	268.5	300.9	321.4	328.2
70°	214.0	236.1	266.8	289.0	295.0
72.5°	180.7	201.2	231.9	251.5	259.2
75°	144.9	167.9	196.9	214.8	219.9
77.5°	112.5	134.7	160.3	171.4	169.6
80°	81.0	104.0	121.9	118.5	113.4
82.5°	54.6	73.3	75.9	70.8	69.1
85°	30.7	40.9	35.8	31.5	29.8
87.5°	12.8	11.1	6.0	2.6	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)