

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: P302332

Luminaire Tested: **ZX-WO-30H935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-30H935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

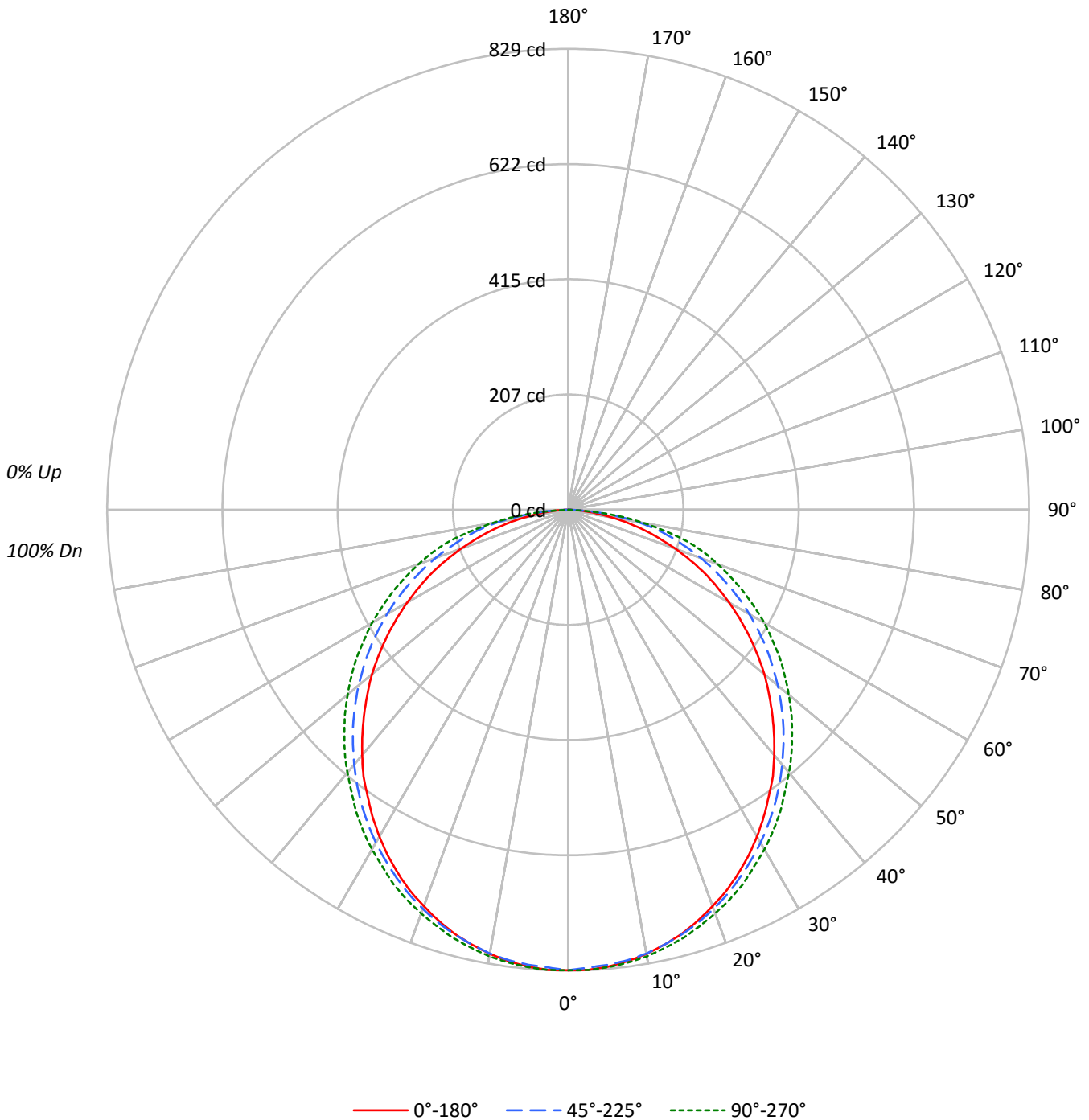
Lumens per Lamp: N/A
Luminaire Lumens: 2412.1 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52		63	57	52		61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1115	1115	1115
5°	1115	1110	1116
10°	1109	1107	1115
15°	1100	1102	1111
20°	1087	1094	1106
25°	1073	1084	1104
30°	1055	1075	1096
35°	1033	1064	1091
40°	1012	1052	1085
45°	987	1041	1083
50°	965	1030	1084
55°	934	1020	1089
60°	899	1013	1097
65°	864	1004	1105
70°	806	996	1125
75°	735	999	1160
80°	607	988	1068
85°	465	784	758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	3.2
10°-20°	223.7	9.3
20°-30°	337.5	14.0
30°-40°	405.2	16.8
40°-50°	421.4	17.5
50°-60°	387.5	16.1
60°-70°	308.9	12.8
70°-80°	195.7	8.1
80°-90°	53.8	2.2
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°	639.6	26.5
0°-40°	1044.7	43.3
0°-60°	1853.7	76.8
0°-90°	2412.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2412.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	829	829	829	829	829	
5°	825	825	822	826	826	78
15°	790	790	791	797	798	223
25°	723	726	730	741	743	333
35°	629	636	648	660	664	394
45°	519	530	547	564	569	400
55°	398	411	435	457	464	356
65°	271	285	315	339	347	267
75°	141	159	192	216	223	149
85°	30	43	51	50	49	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	828.7	828.7	828.7	828.7	828.7
2.5°	828.7	828.7	824.4	828.7	828.7
5°	825.2	825.2	821.8	826.1	826.1
7.5°	819.2	820.1	817.5	821.8	821.8
10°	811.5	812.3	810.6	815.8	815.8
12.5°	801.1	802.0	801.1	807.1	807.1
15°	789.9	789.9	790.8	796.8	797.7
17.5°	775.3	777.0	778.7	785.6	785.6
20°	758.9	761.5	764.1	772.7	772.7
22.5°	742.5	745.1	748.6	757.2	758.9
25°	722.7	726.2	730.5	740.8	743.4
27.5°	702.1	704.6	711.5	722.7	723.6
30°	678.8	683.1	691.7	702.9	705.5
32.5°	654.7	660.7	670.2	683.1	685.7
35°	628.8	635.7	647.8	659.8	664.2
37.5°	604.7	609.9	623.7	637.4	640.0
40°	576.3	584.0	598.7	614.2	617.6
42.5°	547.9	556.5	572.8	588.3	594.4
45°	518.6	529.8	547.0	564.2	569.4
47.5°	489.3	501.3	519.4	538.4	544.4
50°	460.9	472.1	491.9	511.7	517.7
52.5°	429.0	441.9	463.4	485.0	491.0
55°	398.0	410.9	435.0	456.6	464.3
57.5°	366.1	380.7	405.7	428.1	435.0
60°	334.2	349.7	376.4	398.8	407.5
62.5°	302.4	317.0	346.3	368.7	376.4
65°	271.3	285.1	315.3	339.4	347.2
67.5°	237.8	253.3	284.3	309.2	316.1
70°	205.0	220.5	253.3	279.1	286.0
72.5°	171.4	189.5	222.2	247.2	256.7
75°	141.3	159.4	192.1	216.2	223.1
77.5°	109.4	127.5	161.1	178.3	179.2
80°	78.4	99.1	127.5	134.4	137.8
82.5°	51.7	71.5	87.9	96.5	96.5
85°	30.1	43.1	50.8	50.0	49.1
87.5°	11.2	14.6	12.1	8.6	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)