

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: P302215

Luminaire Tested: **ZX-WO-20L930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-20L930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

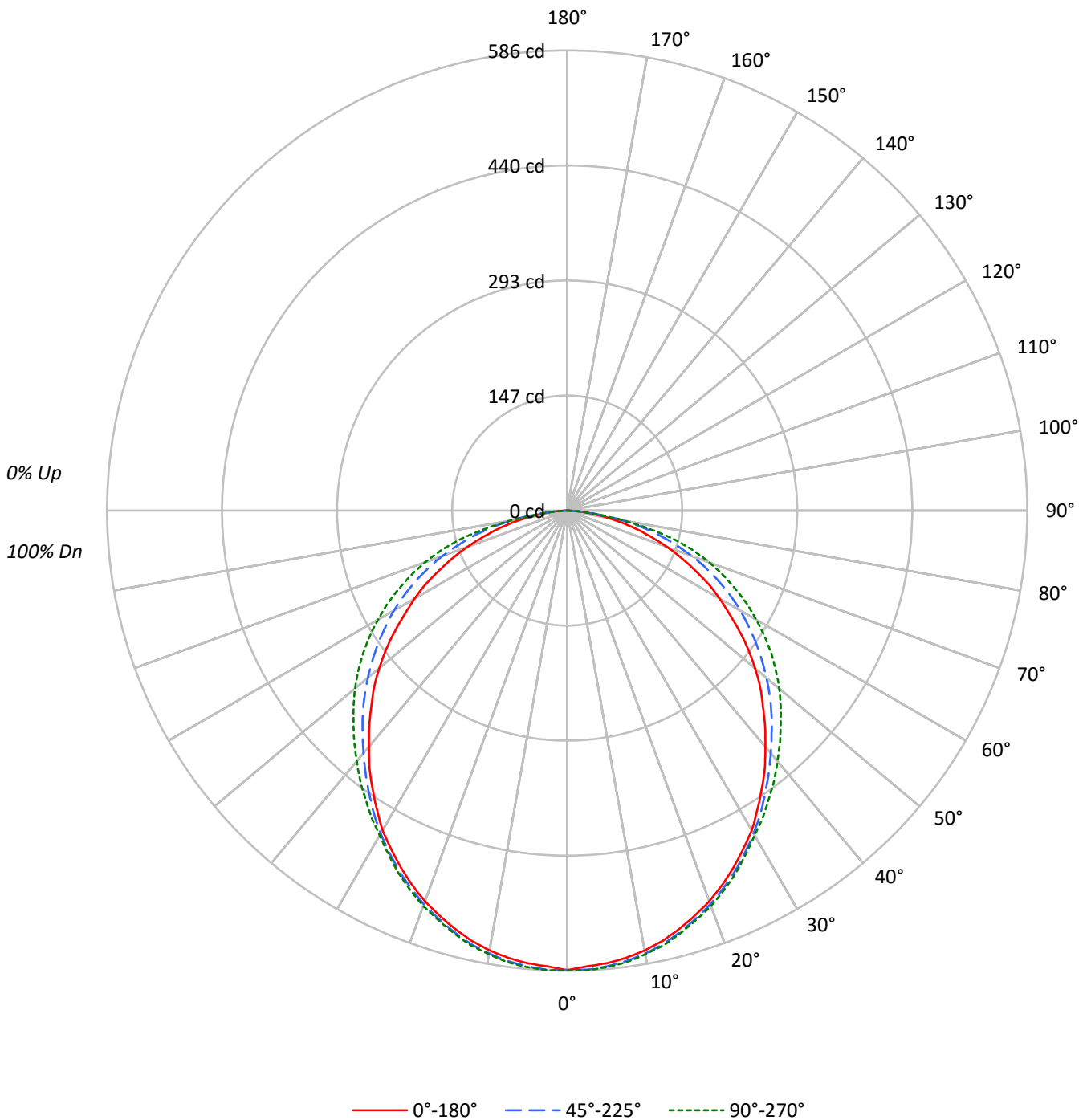
Lumens per Lamp: N/A
Luminaire Lumens: 1626.4 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16
Input Voltage (V): 120
Input Current (A_{in}): 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	104	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		62	56	52	49
5	76	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1575	1575	1575
5°	1563	1574	1576
10°	1554	1565	1568
15°	1536	1548	1552
20°	1516	1527	1534
25°	1488	1503	1510
30°	1461	1476	1484
35°	1420	1444	1471
40°	1380	1417	1464
45°	1342	1401	1464
50°	1307	1387	1476
55°	1257	1377	1488
60°	1208	1371	1495
65°	1141	1356	1507
70°	1067	1332	1513
75°	957	1264	1461
80°	803	1108	1120
85°	633	633	506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	3.4
10°-20°	156.5	9.6
20°-30°	232.9	14.3
30°-40°	275.5	16.9
40°-50°	284.6	17.5
50°-60°	261.7	16.1
60°-70°	208.1	12.8
70°-80°	124.6	7.7
80°-90°	27.2	1.7
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°	444.6	27.3
0°-40°	720.1	44.3
0°-60°	1266.5	77.9
0°-90°	1626.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1626.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	585	585	585	585	585	
5°	579	580	583	584	584	55
15°	552	553	556	557	557	156
25°	501	503	506	509	509	231
35°	432	435	440	445	448	270
45°	353	356	368	381	385	273
55°	268	274	293	312	317	240
65°	179	190	213	232	237	178
75°	92	104	122	136	140	97
85°	20	22	20	19	16	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	585.2	585.2	585.2	585.2	585.2
2.5°	581.1	582.7	585.2	586.0	586.0
5°	578.6	580.2	582.7	583.5	583.5
7.5°	574.5	576.1	578.6	579.4	580.2
10°	568.7	570.4	572.8	573.7	573.7
12.5°	561.3	562.1	565.4	566.3	567.1
15°	551.5	553.1	555.6	557.2	557.2
17.5°	540.8	542.4	544.9	546.5	546.5
20°	529.3	530.9	533.4	535.0	535.8
22.5°	516.1	517.8	520.2	522.7	522.7
25°	501.3	503.0	506.3	508.7	508.7
27.5°	485.7	487.4	490.6	493.1	493.1
30°	470.1	470.9	475.0	476.7	477.5
32.5°	451.2	453.7	457.8	461.1	463.5
35°	432.3	434.8	439.7	445.4	447.9
37.5°	413.4	415.9	421.6	429.8	433.1
40°	392.8	396.1	403.5	414.2	416.7
42.5°	373.1	377.2	385.4	397.8	401.1
45°	352.6	355.9	368.2	381.3	384.6
47.5°	333.7	336.1	350.1	364.9	369.0
50°	312.3	315.6	331.2	347.6	352.6
52.5°	290.9	295.0	312.3	329.6	335.3
55°	267.9	273.7	293.4	311.5	317.2
57.5°	244.9	253.1	273.7	291.8	298.3
60°	224.4	231.8	254.8	272.0	277.8
62.5°	203.0	211.2	234.2	251.5	258.9
65°	179.2	189.8	212.9	231.8	236.7
67.5°	157.8	168.5	191.5	208.8	215.3
70°	135.6	147.9	169.3	184.9	192.3
72.5°	112.6	125.7	144.6	161.1	168.5
75°	92.0	104.4	121.6	135.6	140.5
77.5°	71.5	83.0	97.0	105.2	106.8
80°	51.8	60.8	71.5	73.1	72.3
82.5°	34.5	41.1	44.4	42.7	42.7
85°	20.5	22.2	20.5	18.9	16.4
87.5°	7.4	6.6	4.9	3.3	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)