

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: P302133

Luminaire Tested: **ZX-WO-20H835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-20H835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (168)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

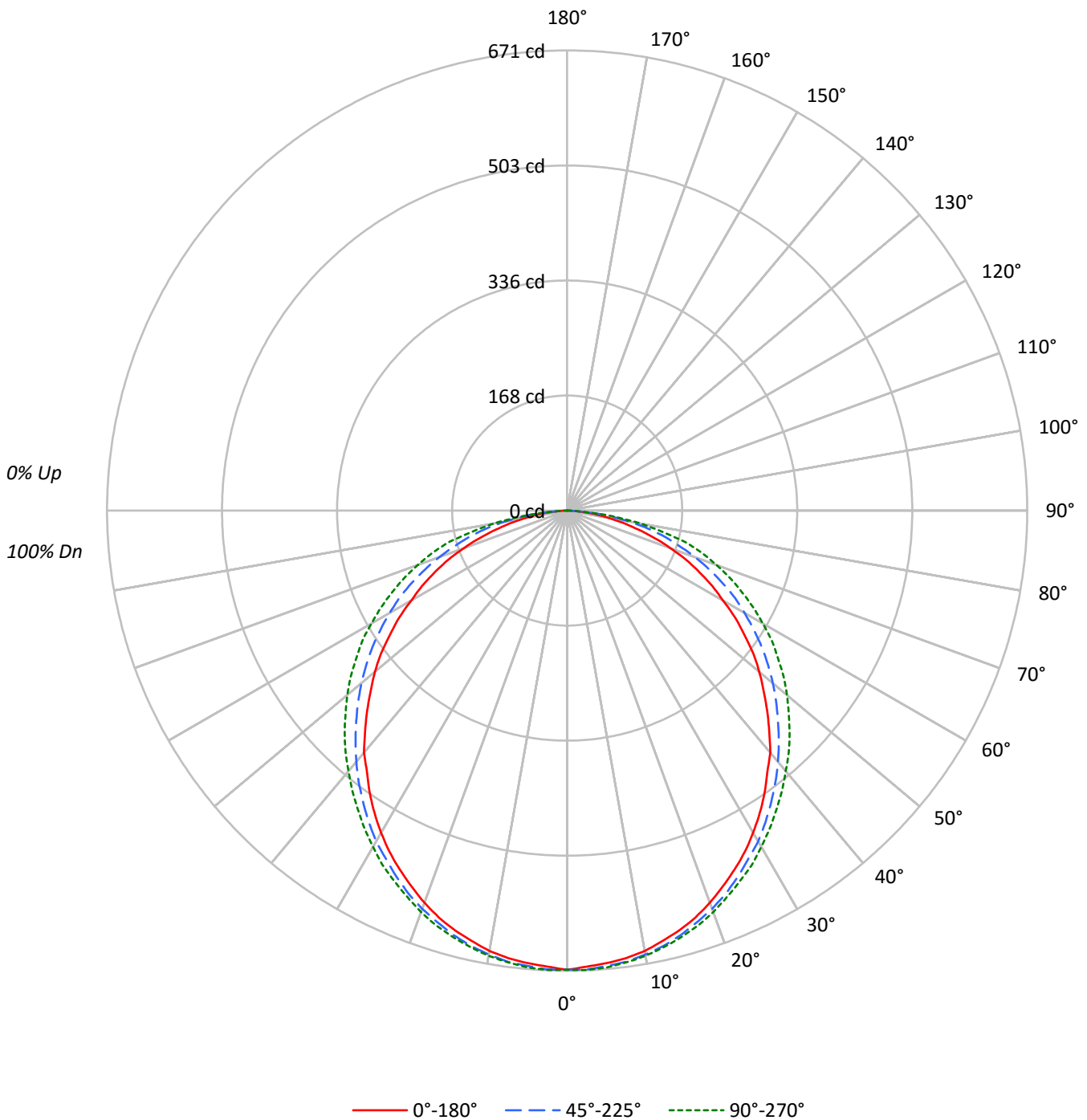
Lumens per Lamp: N/A
Luminaire Lumens: 1919.4 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
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	104	99	95	106	101	97	94	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	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	68	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1802	1802	1802
5°	1789	1800	1806
10°	1782	1796	1802
15°	1765	1785	1794
20°	1743	1769	1784
25°	1715	1749	1770
30°	1686	1731	1760
35°	1650	1704	1748
40°	1619	1681	1742
45°	1569	1655	1746
50°	1531	1639	1752
55°	1479	1624	1760
60°	1413	1607	1774
65°	1356	1592	1790
70°	1260	1561	1821
75°	1118	1525	1859
80°	945	1426	1681
85°	670	988	957



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	3.3
10°-20°	180.4	9.4
20°-30°	271.1	14.1
30°-40°	324.3	16.9
40°-50°	336.3	17.5
50°-60°	309.3	16.1
60°-70°	245.5	12.8
70°-80°	151.6	7.9
80°-90°	37.7	2.0
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°	514.8	26.8
0°-40°	839.1	43.7
0°-60°	1484.6	77.3
0°-90°	1919.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1919.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	670	670	670	670	670	
5°	662	664	666	669	669	63
15°	633	636	641	644	644	179
25°	578	582	589	595	596	266
35°	502	507	519	529	532	314
45°	412	420	435	453	459	319
55°	315	323	346	370	375	282
65°	213	222	250	274	281	211
75°	108	122	147	170	179	115
85°	22	28	32	32	31	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	669.6	669.6	669.6	669.6	669.6
2.5°	665.5	666.5	669.6	670.6	670.6
5°	662.4	664.4	666.5	668.6	668.6
7.5°	658.2	660.3	663.4	664.4	664.4
10°	652.0	654.1	657.2	659.3	659.3
12.5°	642.7	645.8	650.0	652.0	652.0
15°	633.4	635.5	640.7	643.8	643.8
17.5°	622.1	624.1	629.3	633.4	634.5
20°	608.6	610.7	617.9	622.1	623.1
22.5°	593.1	596.2	604.5	608.6	609.7
25°	577.6	581.8	589.0	595.2	596.2
27.5°	561.1	565.2	572.5	580.7	582.8
30°	542.5	546.6	557.0	564.2	566.3
32.5°	522.9	528.0	538.4	547.7	549.7
35°	502.2	507.4	518.7	529.1	532.2
37.5°	479.5	486.7	499.1	510.5	514.6
40°	460.9	465.0	478.4	491.9	496.0
42.5°	436.1	442.3	456.7	472.2	478.4
45°	412.3	419.5	435.0	452.6	458.8
47.5°	388.5	395.8	413.3	431.9	438.1
50°	365.8	372.0	391.6	412.3	418.5
52.5°	342.0	348.2	368.9	391.6	397.8
55°	315.2	323.4	346.2	369.9	375.1
57.5°	290.4	298.6	322.4	345.1	354.4
60°	262.5	272.8	298.6	321.4	329.6
62.5°	238.7	247.0	275.9	298.6	305.9
65°	212.9	222.2	250.1	273.8	281.1
67.5°	188.1	197.4	224.2	248.0	257.3
70°	160.2	170.5	198.4	222.2	231.5
72.5°	134.3	146.7	171.5	196.3	206.7
75°	107.5	121.9	146.7	169.5	178.8
77.5°	83.7	96.1	119.9	135.4	140.5
80°	61.0	73.4	92.0	102.3	108.5
82.5°	41.3	48.6	63.0	70.3	70.3
85°	21.7	27.9	32.0	32.0	31.0
87.5°	7.2	8.3	6.2	3.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)