

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: G3-1902-133-40

Luminaire Tested: **ZX-WO-20L830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G3-1902-133-40
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-20L830-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

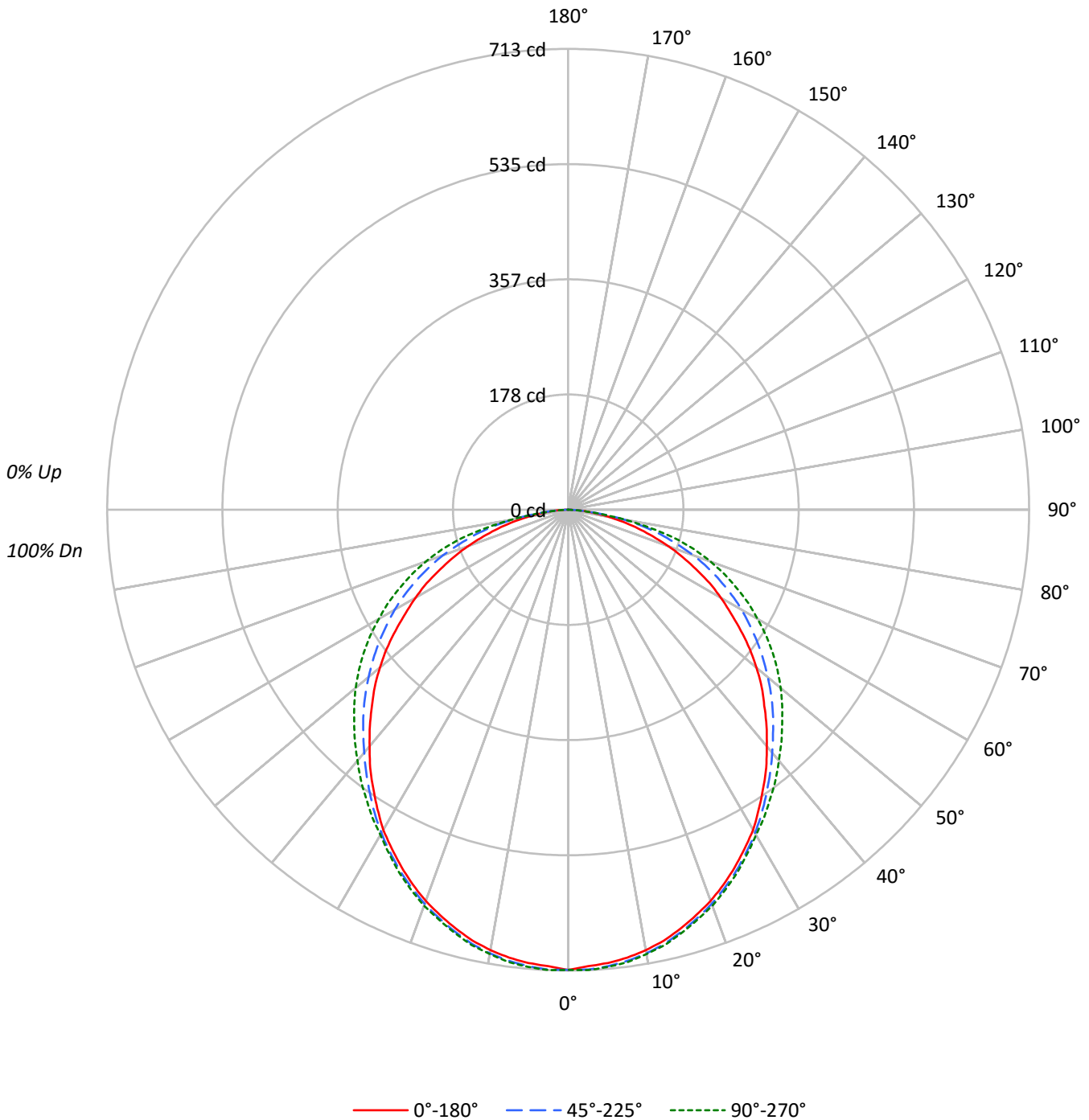
Lumens per Lamp: N/A
Luminaire Lumens: 1979.0 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16
Input Voltage (V): 120
Input Current (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	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°	1916	1916	1916
5°	1902	1915	1918
10°	1891	1905	1907
15°	1869	1883	1889
20°	1844	1859	1867
25°	1811	1829	1838
30°	1777	1796	1805
35°	1728	1758	1790
40°	1679	1725	1781
45°	1633	1705	1781
50°	1591	1687	1796
55°	1529	1675	1811
60°	1469	1668	1819
65°	1388	1649	1834
70°	1298	1621	1841
75°	1164	1539	1778
80°	976	1348	1364
85°	772	772	618



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	3.4
10°-20°	190.4	9.6
20°-30°	283.4	14.3
30°-40°	335.2	16.9
40°-50°	346.4	17.5
50°-60°	318.4	16.1
60°-70°	253.2	12.8
70°-80°	151.7	7.7
80°-90°	33.1	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°	541.0	27.3
0°-40°	876.2	44.3
0°-60°	1541.0	77.9
0°-90°	1979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	712	712	712	712	712	
5°	704	706	709	710	710	67
15°	671	673	676	678	678	189
25°	610	612	616	619	619	281
35°	526	529	535	542	545	329
45°	429	433	448	464	468	332
55°	326	333	357	379	386	292
65°	218	231	259	282	288	217
75°	112	127	148	165	171	119
85°	25	27	25	23	20	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	712	712	712	712	712
2.5°	707	709	712	713	713
5°	704	706	709	710	710
7.5°	699	701	704	705	706
10°	692	694	697	698	698
12.5°	683	684	688	689	690
15°	671	673	676	678	678
17.5°	658	660	663	665	665
20°	644	646	649	651	652
22.5°	628	630	633	636	636
25°	610	612	616	619	619
27.5°	591	593	597	600	600
30°	572	573	578	580	581
32.5°	549	552	557	561	564
35°	526	529	535	542	545
37.5°	503	506	513	523	527
40°	478	482	491	504	507
42.5°	454	459	469	484	488
45°	429	433	448	464	468
47.5°	406	409	426	444	449
50°	380	384	403	423	429
52.5°	354	359	380	401	408
55°	326	333	357	379	386
57.5°	298	308	333	355	363
60°	273	282	310	331	338
62.5°	247	257	285	306	315
65°	218	231	259	282	288
67.5°	192	205	233	254	262
70°	165	180	206	225	234
72.5°	137	153	176	196	205
75°	112	127	148	165	171
77.5°	87	101	118	128	130
80°	63	74	87	89	88
82.5°	42	50	54	52	52
85°	25	27	25	23	20
87.5°	9	8	6	4	2
90°	0	0	0	0	0

(END OF REPORT)