

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: G3-1902-133-2

Luminaire Tested: **ZX-WO-20L830-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G3-1902-133-2
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-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (84)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2044.3 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

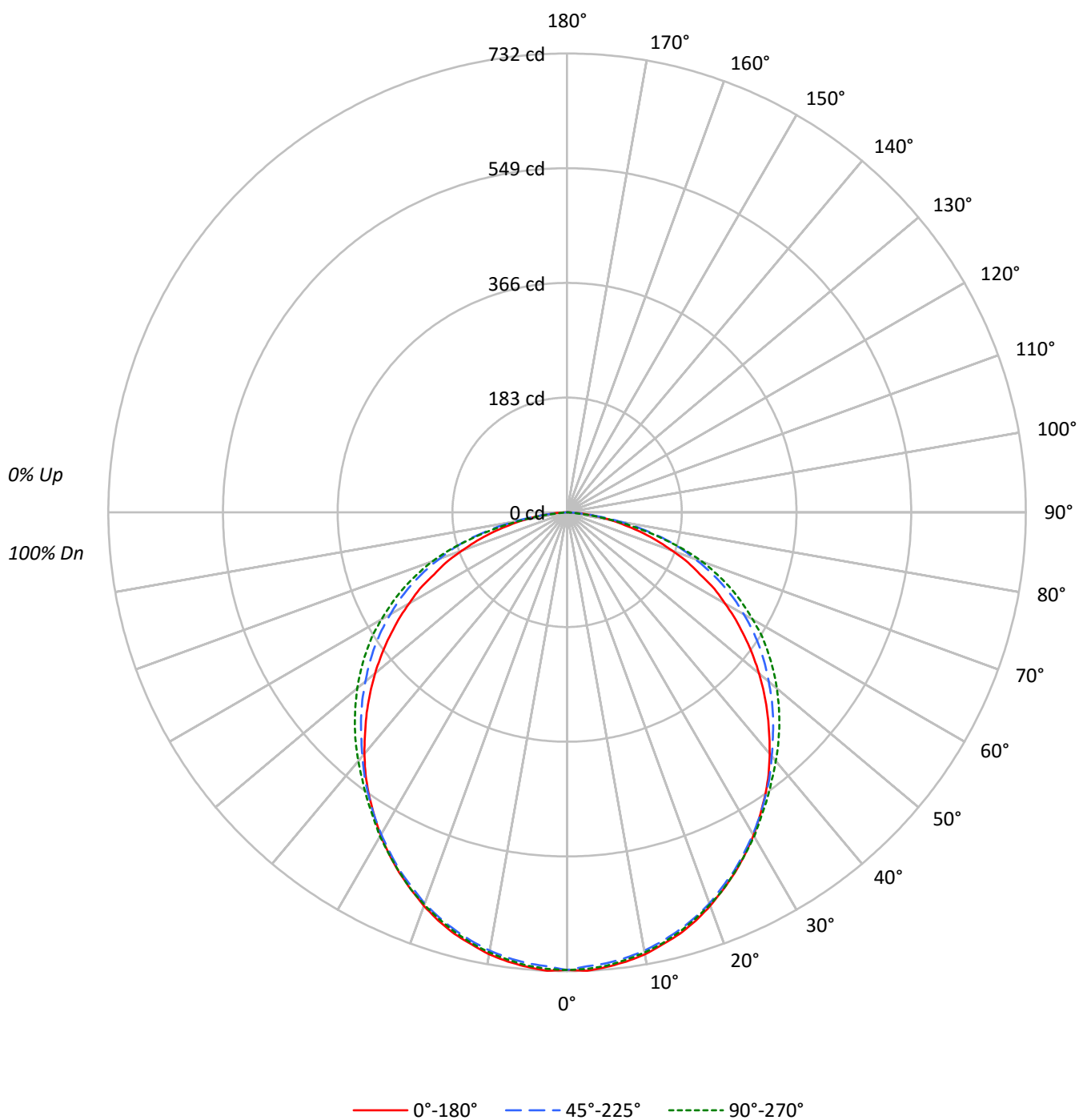
Input Watts (W): 16
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	104	100	96	106	102	98	94		97	94	91		93	91	88		90	88	86
2	99	90	83	78	96	88	82	77		85	79	75		82	77	73		79	75	71
3	90	79	71	64	87	78	70	64		75	68	63		72	66	61		69	64	60
4	82	70	61	54	80	69	60	54		66	59	53		64	58	52		62	56	52
5	75	62	53	47	73	61	53	46		59	52	46		57	51	45		55	50	45
6	70	56	47	41	68	55	47	41		53	46	40		52	45	40		50	44	39
7	65	51	42	36	63	50	42	36		49	41	36		47	40	35		46	40	35
8	60	46	38	32	59	46	38	32		44	37	32		43	36	32		42	36	31
9	56	43	34	29	55	42	34	29		41	34	29		40	33	28		39	33	28
10	53	39	31	26	51	39	31	26		38	31	26		37	30	26		36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1964	1964	1964
5°	1967	1950	1961
10°	1956	1940	1948
15°	1939	1922	1931
20°	1913	1901	1907
25°	1882	1874	1879
30°	1849	1843	1855
35°	1810	1813	1830
40°	1767	1785	1820
45°	1720	1770	1823
50°	1675	1758	1829
55°	1623	1759	1839
60°	1566	1755	1841
65°	1490	1745	1840
70°	1400	1707	1802
75°	1268	1632	1580
80°	1085	1317	1162
85°	772	618	185



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	3.4
10°-20°	195.5	9.6
20°-30°	291.6	14.3
30°-40°	346.4	16.9
40°-50°	359.6	17.6
50°-60°	332.5	16.3
60°-70°	264.9	13.0
70°-80°	155.0	7.6
80°-90°	30.1	1.5
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°	555.9	27.2
0°-40°	902.3	44.1
0°-60°	1594.3	78.0
0°-90°	2044.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2044.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	728	726	722	726	726	69
15°	696	695	690	695	693	196
25°	634	633	631	634	633	292
35°	551	551	552	556	557	345
45°	452	457	465	476	479	349
55°	346	356	375	388	392	309
65°	234	251	274	285	289	233
75°	122	142	157	155	152	129
85°	25	30	20	10	6	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	730	730	730	730	730
2.5°	732	730	725	730	729
5°	728	726	722	726	726
7.5°	723	721	717	721	720
10°	716	714	710	714	713
12.5°	706	705	701	705	704
15°	696	695	690	695	693
17.5°	683	682	678	681	680
20°	668	666	664	667	666
22.5°	651	650	647	652	651
25°	634	633	631	634	633
27.5°	615	614	612	616	615
30°	595	595	593	598	597
32.5°	573	573	573	576	576
35°	551	551	552	556	557
37.5°	528	528	531	537	537
40°	503	505	508	517	518
42.5°	477	481	486	497	499
45°	452	457	465	476	479
47.5°	426	432	443	455	458
50°	400	408	420	434	437
52.5°	373	382	398	412	415
55°	346	356	375	388	392
57.5°	319	330	351	364	369
60°	291	303	326	338	342
62.5°	265	278	301	312	316
65°	234	251	274	285	289
67.5°	209	225	246	258	259
70°	178	198	217	227	229
72.5°	150	170	189	193	193
75°	122	142	157	155	152
77.5°	94	114	122	115	112
80°	70	87	85	78	75
82.5°	46	59	50	42	38
85°	25	30	20	10	6
87.5°	9	6	1	1	1
90°	0	0	0	0	0

(END OF REPORT)