

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: G3-1902-133-1

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G3-1902-133-1
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-20L830-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (84)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

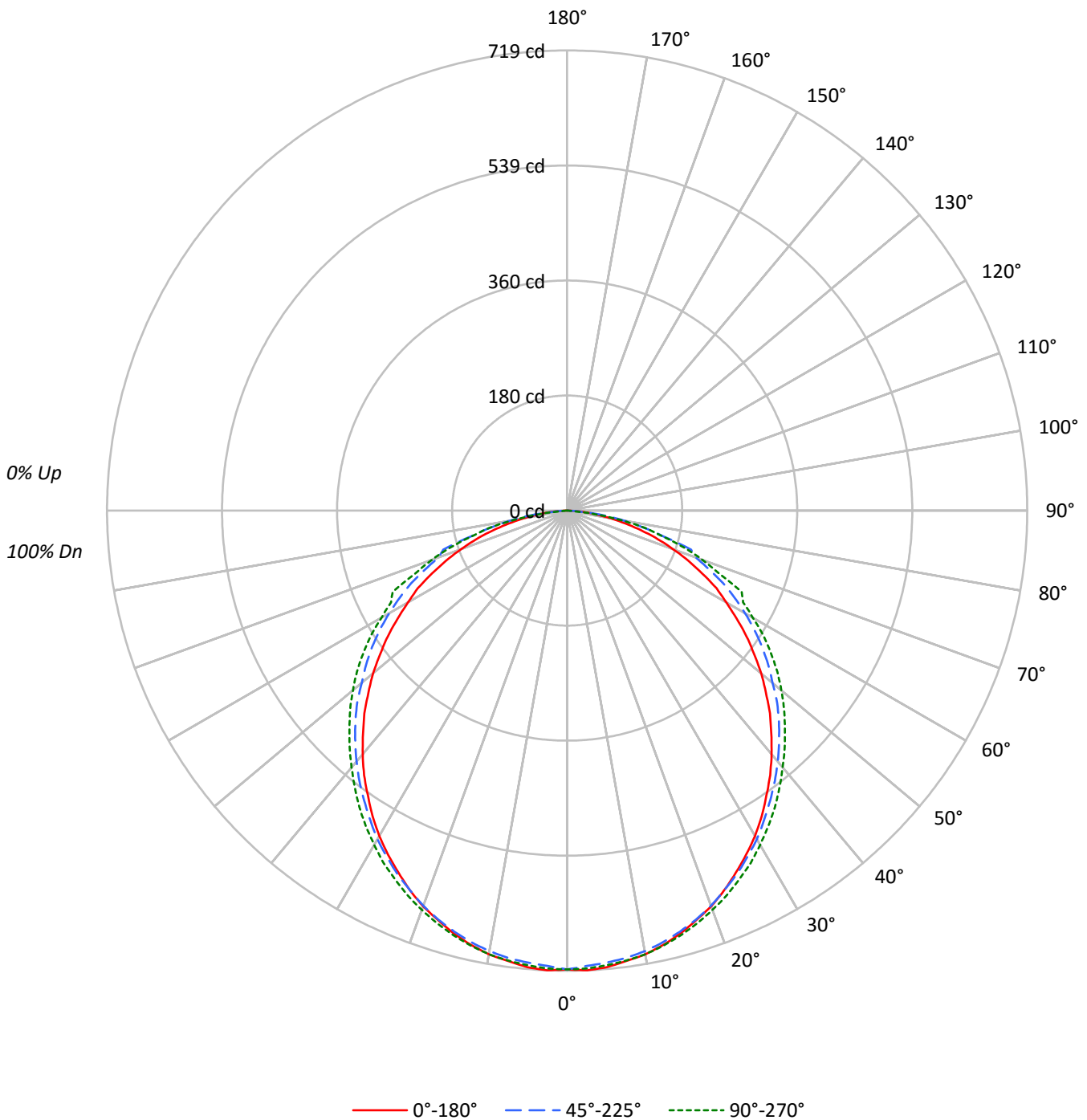
Lumens per Lamp: N/A
Luminaire Lumens: 2038.7 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	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°	1929	1929	1929
5°	1934	1915	1926
10°	1924	1910	1924
15°	1906	1897	1914
20°	1884	1881	1901
25°	1853	1862	1888
30°	1824	1843	1874
35°	1784	1817	1859
40°	1746	1799	1841
45°	1705	1781	1831
50°	1658	1754	1829
55°	1605	1745	1825
60°	1545	1728	1803
65°	1484	1713	1917
70°	1385	1676	1770
75°	1248	1622	1591
80°	1054	1395	1317
85°	772	679	247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	3.3
10°-20°	193.0	9.5
20°-30°	290.1	14.2
30°-40°	347.0	17.0
40°-50°	359.8	17.6
50°-60°	329.9	16.2
60°-70°	262.5	12.9
70°-80°	156.0	7.6
80°-90°	32.7	1.6
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°	550.8	27.0
0°-40°	897.8	44.0
0°-60°	1587.5	77.9
0°-90°	2038.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2038.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	717	717	717	717	717	
5°	716	714	709	714	713	68
15°	684	683	681	687	687	193
25°	624	625	627	636	636	288
35°	543	546	553	564	566	340
45°	448	455	468	478	481	345
55°	342	354	372	387	389	305
65°	233	247	269	280	301	231
75°	120	137	156	155	153	128
85°	25	31	22	12	8	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	717	717	717	717	717
2.5°	719	717	712	717	716
5°	716	714	709	714	713
7.5°	710	709	705	710	709
10°	704	702	699	704	704
12.5°	695	693	691	697	696
15°	684	683	681	687	687
17.5°	671	671	670	676	676
20°	658	657	657	664	664
22.5°	642	642	642	651	651
25°	624	625	627	636	636
27.5°	606	608	610	619	621
30°	587	588	593	602	603
32.5°	566	568	573	583	585
35°	543	546	553	564	566
37.5°	521	525	533	544	545
40°	497	502	512	522	524
42.5°	472	478	490	501	503
45°	448	455	468	478	481
47.5°	421	429	445	457	460
50°	396	404	419	434	437
52.5°	368	379	396	411	414
55°	342	354	372	387	389
57.5°	314	327	347	361	364
60°	287	301	321	334	335
62.5°	263	275	295	307	310
65°	233	247	269	280	301
67.5°	205	219	240	277	257
70°	176	192	213	223	225
72.5°	149	165	203	192	191
75°	120	137	156	155	153
77.5°	93	111	122	123	123
80°	68	90	90	90	85
82.5°	44	58	58	50	45
85°	25	31	22	12	8
87.5°	9	7	2	2	1
90°	0	0	0	0	0

(END OF REPORT)