

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: P302086

Luminaire Tested: **ZX-WO-20L940-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-20L940-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (84)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1777.4 lumens
Efficiency: N/A
Efficacy: 111.1 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

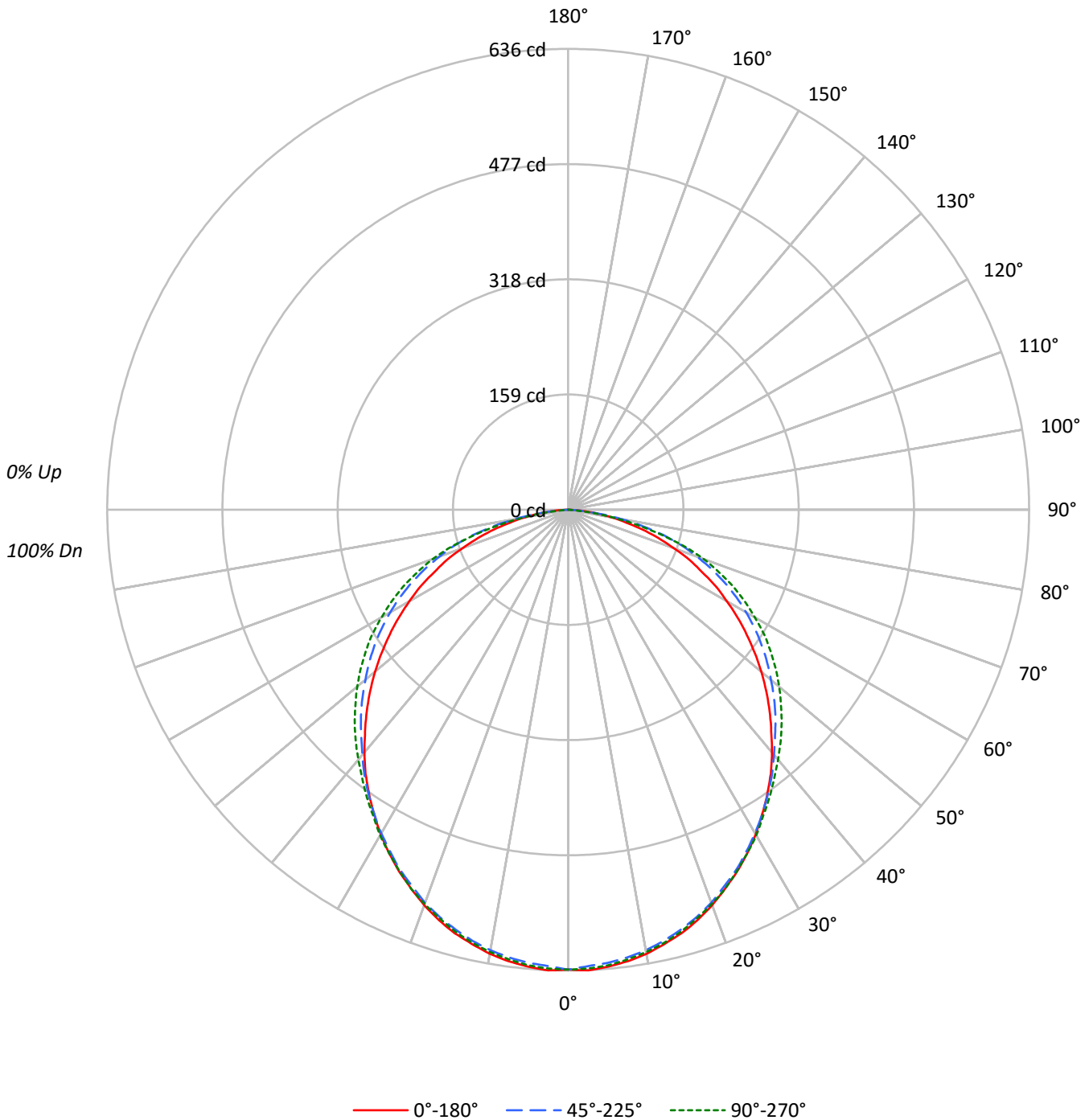
Input Watts (W): 16
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	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	46	38	32	59	46	38	32	44	37	32	43	36	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°	1708	1708	1708
5°	1710	1696	1705
10°	1701	1687	1694
15°	1686	1671	1679
20°	1663	1653	1658
25°	1637	1629	1634
30°	1607	1602	1613
35°	1574	1577	1591
40°	1536	1552	1582
45°	1496	1539	1585
50°	1456	1529	1591
55°	1411	1529	1599
60°	1362	1525	1601
65°	1296	1517	1600
70°	1218	1485	1566
75°	1103	1419	1375
80°	944	1145	1010
85°	670	537	161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	3.4
10°-20°	170.0	9.6
20°-30°	253.5	14.3
30°-40°	301.2	16.9
40°-50°	312.6	17.6
50°-60°	289.1	16.3
60°-70°	230.3	13.0
70°-80°	134.8	7.6
80°-90°	26.2	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°	483.3	27.2
0°-40°	784.5	44.1
0°-60°	1386.2	78.0
0°-90°	1777.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1777.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	633	631	628	631	631	60
15°	605	604	600	604	602	171
25°	551	550	549	551	550	254
35°	479	479	480	483	484	300
45°	393	397	404	414	416	303
55°	301	310	326	337	341	269
65°	204	218	238	248	251	203
75°	106	124	136	135	132	112
85°	22	26	17	9	5	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	634.7	634.7	634.7	634.7	634.7
2.5°	636.4	634.7	630.4	634.7	633.8
5°	633.0	631.2	627.7	631.2	631.2
7.5°	628.6	626.9	623.4	626.9	626.0
10°	622.5	620.8	617.3	620.8	619.9
12.5°	613.8	613.0	609.5	613.0	612.1
15°	605.1	604.3	599.9	604.3	602.5
17.5°	593.8	593.0	589.5	592.1	591.2
20°	580.8	579.1	577.3	579.9	579.1
22.5°	566.0	565.1	562.5	566.9	566.0
25°	551.2	550.4	548.6	551.2	550.4
27.5°	534.7	533.8	532.1	535.6	534.7
30°	517.3	517.3	515.6	519.9	519.1
32.5°	498.2	498.2	498.2	500.8	500.8
35°	479.1	479.1	479.9	483.4	484.3
37.5°	459.1	459.1	461.7	466.9	466.9
40°	437.3	439.1	441.7	449.5	450.4
42.5°	414.7	418.2	422.6	432.1	433.9
45°	393.0	397.3	404.3	413.9	416.5
47.5°	370.4	375.6	385.2	395.6	398.2
50°	347.8	354.7	365.2	377.3	380.0
52.5°	324.3	332.1	346.0	358.2	360.8
55°	300.8	309.5	326.0	337.3	340.8
57.5°	277.4	286.9	305.2	316.5	320.8
60°	253.0	263.4	283.4	293.9	297.4
62.5°	230.4	241.7	261.7	271.3	274.7
65°	203.5	218.2	238.2	247.8	251.3
67.5°	181.7	195.6	213.9	224.3	225.2
70°	154.8	172.2	188.7	197.4	199.1
72.5°	130.4	147.8	164.3	167.8	167.8
75°	106.1	123.5	136.5	134.8	132.2
77.5°	81.7	99.1	106.1	100.0	97.4
80°	60.9	75.6	73.9	67.8	65.2
82.5°	40.0	51.3	43.5	36.5	33.0
85°	21.7	26.1	17.4	8.7	5.2
87.5°	7.8	5.2	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)