

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: P302146

Luminaire Tested: **ZX-WO-24H930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302146
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-24H930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

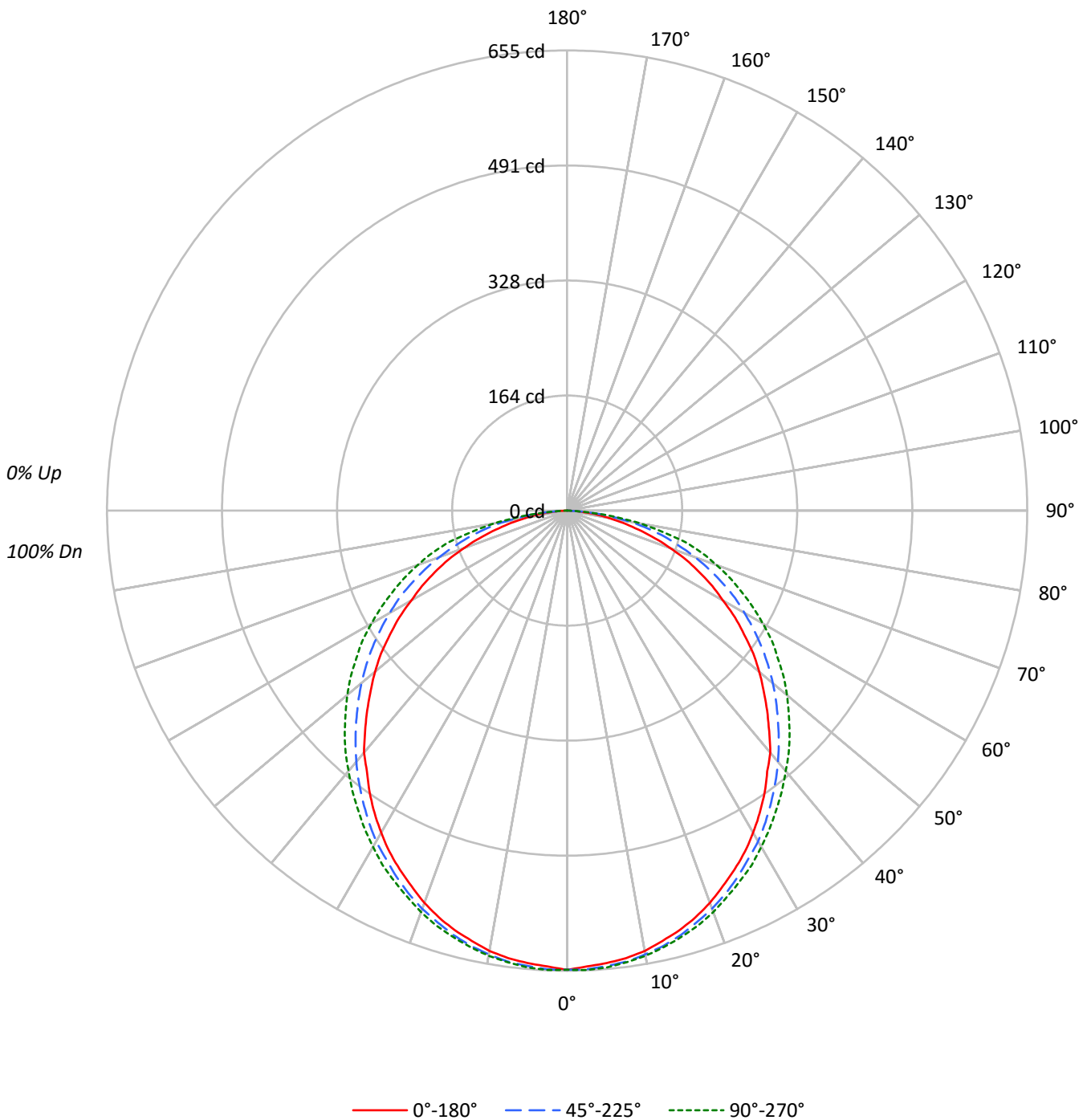
Lumens per Lamp: N/A
Luminaire Lumens: 1873.4 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 17.7
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°	1759	1759	1759
5°	1746	1757	1763
10°	1739	1753	1758
15°	1723	1742	1750
20°	1701	1727	1742
25°	1674	1707	1728
30°	1645	1689	1717
35°	1610	1663	1706
40°	1580	1640	1701
45°	1531	1616	1704
50°	1495	1600	1710
55°	1443	1585	1718
60°	1379	1569	1731
65°	1323	1554	1747
70°	1230	1523	1777
75°	1091	1489	1814
80°	922	1392	1641
85°	655	966	936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	3.3
10°-20°	176.1	9.4
20°-30°	264.6	14.1
30°-40°	316.5	16.9
40°-50°	328.2	17.5
50°-60°	301.9	16.1
60°-70°	239.6	12.8
70°-80°	148.0	7.9
80°-90°	36.8	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°	502.4	26.8
0°-40°	819.0	43.7
0°-60°	1449.1	77.3
0°-90°	1873.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1873.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	654	654	654	654	654	
5°	646	648	650	653	653	61
15°	618	620	625	628	628	174
25°	564	568	575	581	582	260
35°	490	495	506	516	519	307
45°	402	410	425	442	448	311
55°	308	316	338	361	366	275
65°	208	217	244	267	274	206
75°	105	119	143	165	174	112
85°	21	27	31	31	30	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	653.6	653.6	653.6	653.6	653.6
2.5°	649.5	650.5	653.6	654.6	654.6
5°	646.5	648.5	650.5	652.6	652.6
7.5°	642.5	644.5	647.5	648.5	648.5
10°	636.4	638.4	641.5	643.5	643.5
12.5°	627.3	630.4	634.4	636.4	636.4
15°	618.3	620.3	625.3	628.3	628.3
17.5°	607.2	609.2	614.2	618.3	619.3
20°	594.1	596.1	603.1	607.2	608.2
22.5°	578.9	582.0	590.0	594.1	595.1
25°	563.8	567.8	574.9	580.9	582.0
27.5°	547.7	551.7	558.8	566.8	568.8
30°	529.5	533.5	543.6	550.7	552.7
32.5°	510.3	515.4	525.5	534.6	536.6
35°	490.2	495.2	506.3	516.4	519.4
37.5°	468.0	475.0	487.1	498.2	502.3
40°	449.8	453.9	467.0	480.1	484.1
42.5°	425.6	431.7	445.8	460.9	467.0
45°	402.4	409.5	424.6	441.8	447.8
47.5°	379.2	386.3	403.4	421.6	427.6
50°	357.0	363.1	382.3	402.4	408.5
52.5°	333.8	339.9	360.1	382.3	388.3
55°	307.6	315.7	337.9	361.1	366.1
57.5°	283.4	291.5	314.7	336.9	345.9
60°	256.2	266.3	291.5	313.7	321.7
62.5°	233.0	241.1	269.3	291.5	298.5
65°	207.8	216.8	244.1	267.3	274.3
67.5°	183.6	192.6	218.9	242.1	251.1
70°	156.3	166.4	193.6	216.8	225.9
72.5°	131.1	143.2	167.4	191.6	201.7
75°	104.9	119.0	143.2	165.4	174.5
77.5°	81.7	93.8	117.0	132.1	137.2
80°	59.5	71.6	89.8	99.9	105.9
82.5°	40.3	47.4	61.5	68.6	68.6
85°	21.2	27.2	31.3	31.3	30.3
87.5°	7.1	8.1	6.1	3.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)