

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: P302127

Luminaire Tested: **ZX-WO-20H830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302127
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-20H830-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (168)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

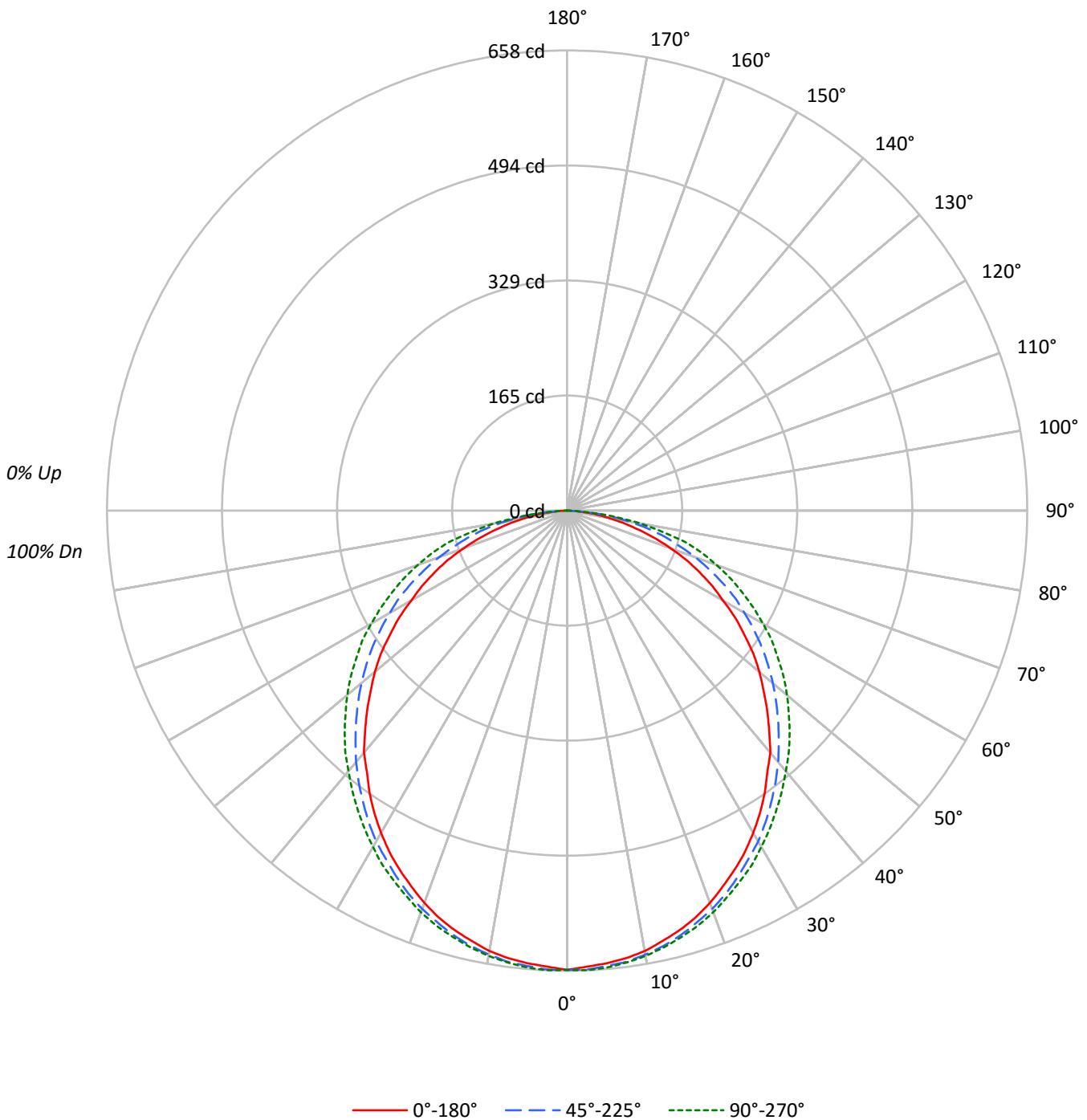
Lumens per Lamp: N/A
Luminaire Lumens: 1882.6 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
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	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					100			
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69					69			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26					26			
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1767	1767	1767
5°	1755	1766	1771
10°	1748	1761	1767
15°	1731	1751	1759
20°	1710	1736	1750
25°	1682	1715	1736
30°	1653	1698	1726
35°	1618	1671	1715
40°	1588	1649	1709
45°	1539	1624	1713
50°	1502	1608	1719
55°	1450	1593	1726
60°	1385	1576	1740
65°	1330	1562	1755
70°	1236	1531	1786
75°	1096	1496	1823
80°	927	1398	1649
85°	658	969	939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	3.3
10°-20°	177.0	9.4
20°-30°	265.9	14.1
30°-40°	318.1	16.9
40°-50°	329.8	17.5
50°-60°	303.4	16.1
60°-70°	240.8	12.8
70°-80°	148.7	7.9
80°-90°	36.9	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°	504.9	26.8
0°-40°	823.0	43.7
0°-60°	1456.2	77.3
0°-90°	1882.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1882.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	657	657	657	657	657	
5°	650	652	654	656	656	62
15°	621	623	628	631	631	175
25°	567	571	578	584	585	261
35°	493	498	509	519	522	308
45°	404	412	427	444	450	312
55°	309	317	340	363	368	277
65°	209	218	245	269	276	206
75°	105	120	144	166	175	113
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°	656.8	656.8	656.8	656.8	656.8
2.5°	652.7	653.7	656.8	657.8	657.8
5°	649.7	651.7	653.7	655.8	655.8
7.5°	645.6	647.7	650.7	651.7	651.7
10°	639.6	641.6	644.6	646.6	646.6
12.5°	630.4	633.5	637.5	639.6	639.6
15°	621.3	623.3	628.4	631.4	631.4
17.5°	610.2	612.2	617.3	621.3	622.3
20°	597.0	599.0	606.1	610.2	611.2
22.5°	581.8	584.8	592.9	597.0	598.0
25°	566.6	570.6	577.7	583.8	584.8
27.5°	550.4	554.4	561.5	569.6	571.6
30°	532.1	536.2	546.3	553.4	555.4
32.5°	512.9	517.9	528.1	537.2	539.2
35°	492.6	497.7	508.8	518.9	522.0
37.5°	470.3	477.4	489.5	500.7	504.7
40°	452.0	456.1	469.3	482.5	486.5
42.5°	427.7	433.8	448.0	463.2	469.3
45°	404.4	411.5	426.7	443.9	450.0
47.5°	381.1	388.2	405.4	423.7	429.7
50°	358.8	364.9	384.1	404.4	410.5
52.5°	335.5	341.6	361.8	384.1	390.2
55°	309.1	317.2	339.5	362.9	367.9
57.5°	284.8	292.9	316.2	338.5	347.6
60°	257.4	267.6	292.9	315.2	323.3
62.5°	234.1	242.2	270.6	292.9	300.0
65°	208.8	217.9	245.3	268.6	275.7
67.5°	184.5	193.6	219.9	243.3	252.4
70°	157.1	167.2	194.6	217.9	227.0
72.5°	131.8	143.9	168.2	192.6	202.7
75°	105.4	119.6	143.9	166.2	175.3
77.5°	82.1	94.3	117.6	132.8	137.8
80°	59.8	72.0	90.2	100.3	106.4
82.5°	40.5	47.6	61.8	68.9	68.9
85°	21.3	27.4	31.4	31.4	30.4
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)