

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: P302203

Luminaire Tested: **ZX-WO-20L835-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302203  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-20L835-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (112)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

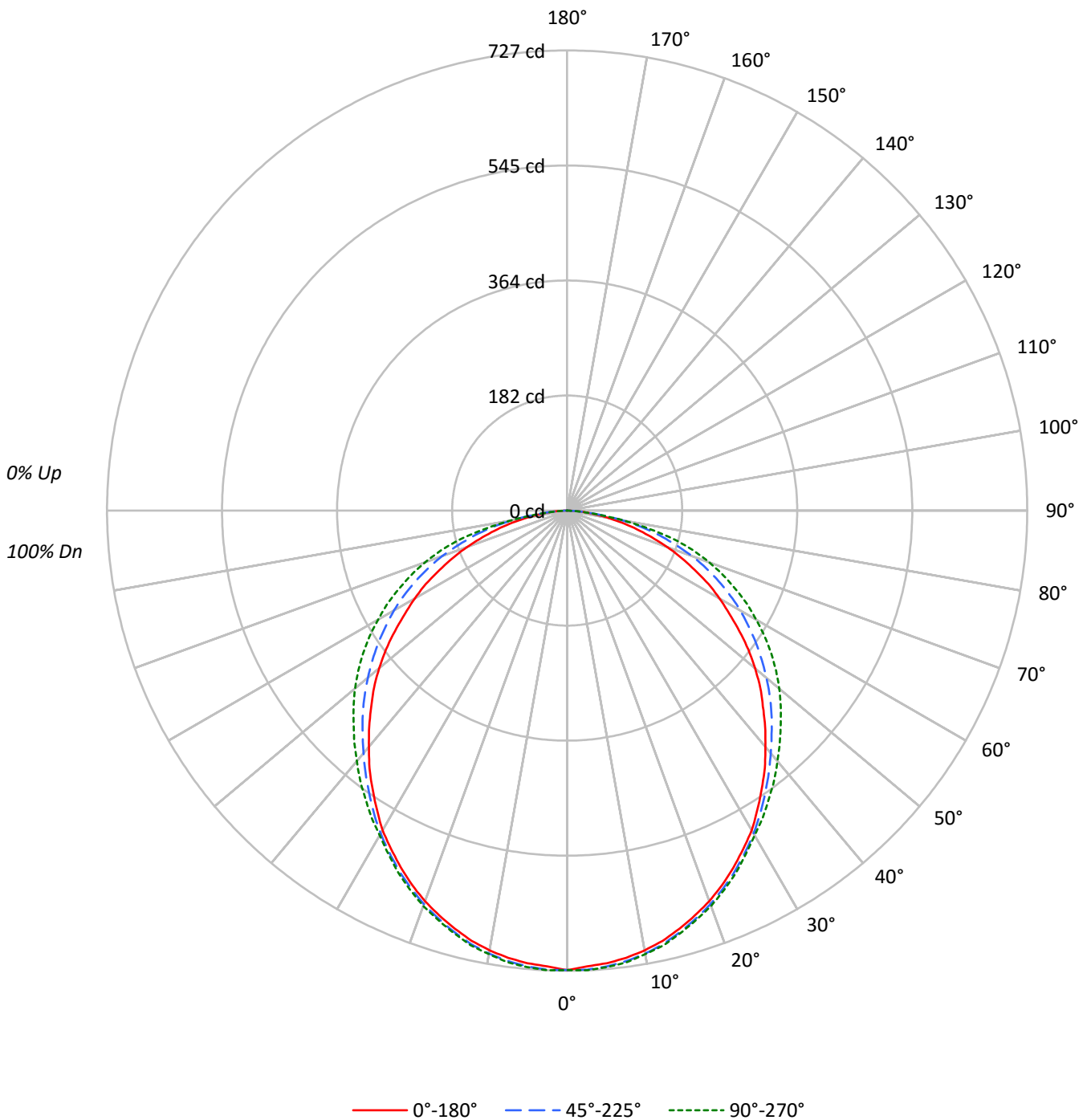
Lumens per Lamp: N/A  
Luminaire Lumens: 2017.6 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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	62	56	52	49
5	76	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	47	38	32	59	46	38	32	45	37	32	43	37	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°	1953	1953	1953
5°	1939	1952	1955
10°	1928	1942	1944
15°	1906	1920	1926
20°	1880	1895	1903
25°	1847	1865	1874
30°	1812	1831	1840
35°	1762	1792	1825
40°	1712	1759	1816
45°	1665	1738	1816
50°	1622	1720	1831
55°	1559	1708	1846
60°	1498	1701	1855
65°	1415	1682	1869
70°	1323	1652	1877
75°	1187	1569	1812
80°	995	1375	1390
85°	787	787	630



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.5	3.4
10°-20°	194.1	9.6
20°-30°	288.9	14.3
30°-40°	341.7	16.9
40°-50°	353.1	17.5
50°-60°	324.7	16.1
60°-70°	258.2	12.8
70°-80°	154.6	7.7
80°-90°	33.7	1.7
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°	551.6	27.3
0°-40°	893.3	44.3
0°-60°	1571.1	77.9
0°-90°	2017.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2017.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	718	720	723	724	724	68
15°	684	686	689	691	691	193
25°	622	624	628	631	631	287
35°	536	539	545	553	556	336
45°	437	442	457	473	477	338
55°	332	340	364	386	394	297
65°	222	236	264	288	294	221
75°	114	130	151	168	174	121
85°	26	28	26	23	20	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	725.9	725.9	725.9	725.9	725.9
2.5°	720.8	722.8	725.9	726.9	726.9
5°	717.8	719.8	722.8	723.9	723.9
7.5°	712.7	714.7	717.8	718.8	719.8
10°	705.5	707.6	710.6	711.6	711.6
12.5°	696.3	697.4	701.4	702.5	703.5
15°	684.1	686.1	689.2	691.2	691.2
17.5°	670.9	672.9	675.9	678.0	678.0
20°	656.6	658.6	661.7	663.7	664.7
22.5°	640.3	642.3	645.4	648.4	648.4
25°	621.9	624.0	628.0	631.1	631.1
27.5°	602.5	604.6	608.7	611.7	611.7
30°	583.2	584.2	589.3	591.3	592.3
32.5°	559.7	562.8	567.9	572.0	575.0
35°	536.3	539.3	545.4	552.6	555.6
37.5°	512.8	515.9	523.0	533.2	537.3
40°	487.3	491.4	500.6	513.8	516.9
42.5°	462.9	468.0	478.2	493.5	497.5
45°	437.4	441.5	456.8	473.1	477.1
47.5°	413.9	417.0	434.3	452.7	457.8
50°	387.4	391.5	410.9	431.3	437.4
52.5°	360.9	366.0	387.4	408.8	416.0
55°	332.4	339.5	364.0	386.4	393.5
57.5°	303.8	314.0	339.5	361.9	370.1
60°	278.3	287.5	316.1	337.5	344.6
62.5°	251.8	262.0	290.6	312.0	321.2
65°	222.3	235.5	264.1	287.5	293.6
67.5°	195.8	209.0	237.6	259.0	267.1
70°	168.2	183.5	210.0	229.4	238.6
72.5°	139.7	156.0	179.4	199.8	209.0
75°	114.2	129.5	150.9	168.2	174.3
77.5°	88.7	103.0	120.3	130.5	132.5
80°	64.2	75.4	88.7	90.7	89.7
82.5°	42.8	51.0	55.1	53.0	53.0
85°	25.5	27.5	25.5	23.4	20.4
87.5°	9.2	8.2	6.1	4.1	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)