

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: P302453

Luminaire Tested: **ZX-WO-45L935-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-45L935-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

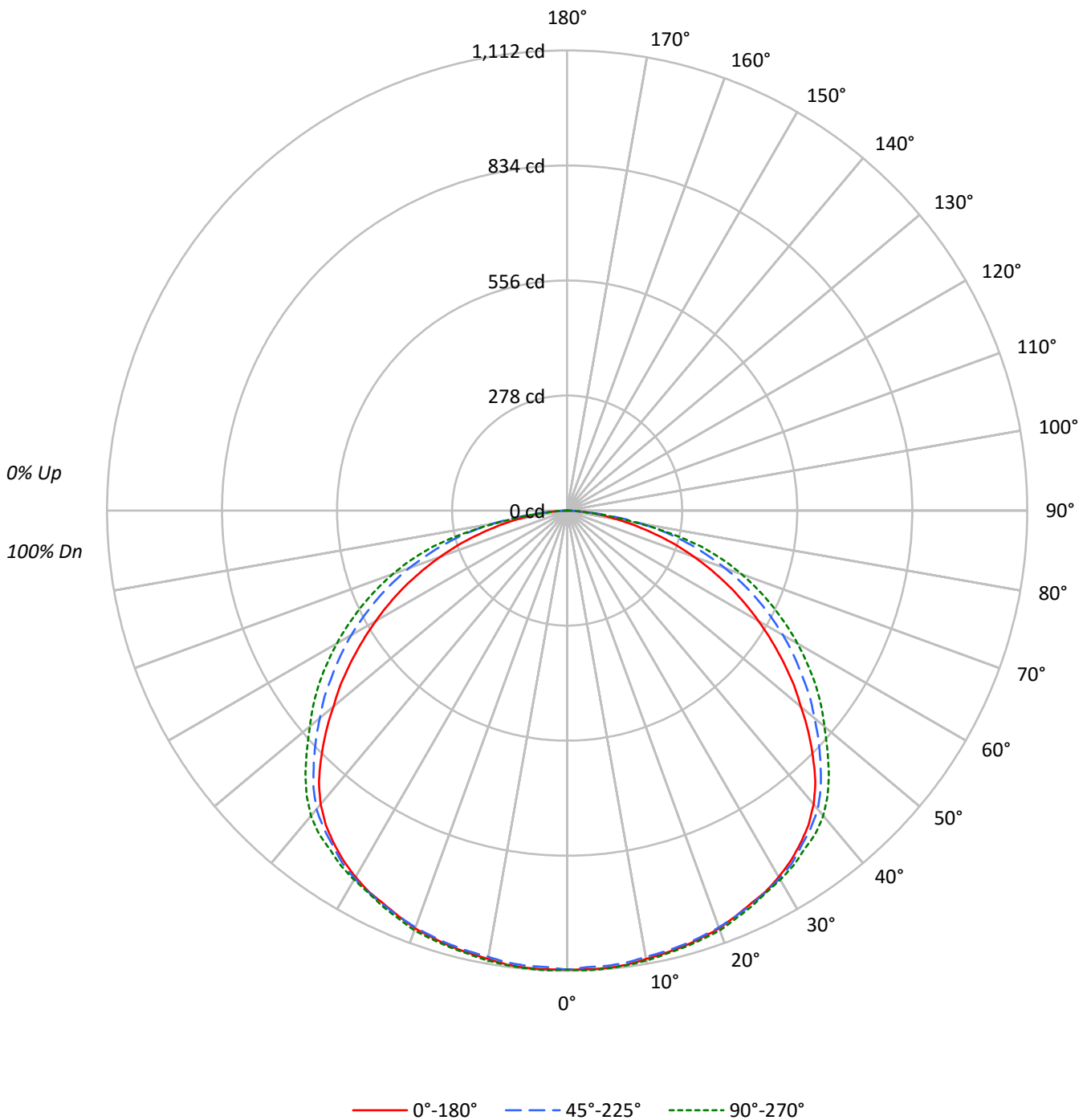
Lumens per Lamp: N/A  
Luminaire Lumens: 3670.4 lumens  
Efficiency: N/A  
Efficacy: 104.0 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 35.3  
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	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1493	1493	1493
5°	1499	1491	1500
10°	1503	1496	1509
15°	1518	1513	1522
20°	1539	1535	1546
25°	1557	1561	1566
30°	1589	1595	1601
35°	1614	1622	1641
40°	1628	1655	1691
45°	1598	1647	1702
50°	1544	1633	1698
55°	1496	1624	1718
60°	1437	1622	1730
65°	1374	1613	1746
70°	1280	1596	1764
75°	1145	1556	1738
80°	954	1436	1336
85°	721	840	701



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.6	2.9
10°-20°	308.3	8.4
20°-30°	486.3	13.2
30°-40°	620.9	16.9
40°-50°	668.8	18.2
50°-60°	616.2	16.8
60°-70°	492.8	13.4
70°-80°	302.5	8.2
80°-90°	69.0	1.9
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°	900.2	24.5
0°-40°	1521.1	41.4
0°-60°	2806.1	76.5
0°-90°	3670.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3670.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1110	1110	1110	1110	1110	
5°	1110	1110	1104	1111	1111	106
15°	1090	1091	1086	1093	1093	308
25°	1049	1050	1051	1056	1055	485
35°	982	985	988	998	999	614
45°	840	849	866	888	894	647
55°	638	654	692	723	732	570
65°	432	460	507	538	548	426
75°	220	255	299	327	334	235
85°	47	62	54	48	45	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1109.5	1109.5	1109.5	1109.5	1109.5
2.5°	1109.5	1110.8	1104.3	1110.8	1112.1
5°	1109.5	1109.5	1104.3	1110.8	1110.8
7.5°	1106.9	1106.9	1101.7	1108.2	1108.2
10°	1100.4	1100.4	1095.2	1101.7	1104.3
12.5°	1095.2	1095.2	1091.3	1097.8	1097.8
15°	1090.0	1091.3	1086.2	1092.6	1092.6
17.5°	1082.3	1082.3	1079.7	1084.9	1086.2
20°	1074.5	1074.5	1071.9	1078.4	1079.7
22.5°	1061.5	1062.8	1061.5	1066.7	1066.7
25°	1048.6	1049.9	1051.2	1056.3	1055.0
27.5°	1038.2	1039.5	1039.5	1044.7	1040.8
30°	1022.6	1026.5	1026.5	1029.1	1030.4
32.5°	1004.5	1009.7	1011.0	1016.2	1017.5
35°	982.5	985.1	987.6	998.0	999.3
37.5°	957.8	964.3	966.9	981.2	985.1
40°	926.7	934.5	942.3	960.4	963.0
42.5°	887.8	896.9	907.3	926.7	931.9
45°	839.9	849.0	865.8	887.8	894.3
47.5°	790.6	801.0	824.3	847.7	852.9
50°	737.5	753.1	780.3	807.5	811.4
52.5°	689.5	705.1	738.8	767.3	773.8
55°	637.7	654.5	692.1	723.2	732.3
57.5°	585.9	607.9	648.1	679.2	688.2
60°	534.0	557.3	602.7	631.2	642.9
62.5°	483.5	509.4	554.7	587.1	596.2
65°	431.6	460.1	506.8	537.9	548.3
67.5°	378.5	408.3	457.5	488.6	499.0
70°	325.3	359.0	405.7	439.4	448.5
72.5°	274.8	305.9	352.5	382.4	394.0
75°	220.3	255.3	299.4	326.6	334.4
77.5°	171.1	204.8	243.7	260.5	257.9
80°	123.1	158.1	185.3	180.2	172.4
82.5°	83.0	111.5	115.4	107.6	105.0
85°	46.7	62.2	54.4	48.0	45.4
87.5°	19.4	16.8	9.1	3.9	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)