

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: P302443

Luminaire Tested: **ZX-WO-45L930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302443  
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-45L930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

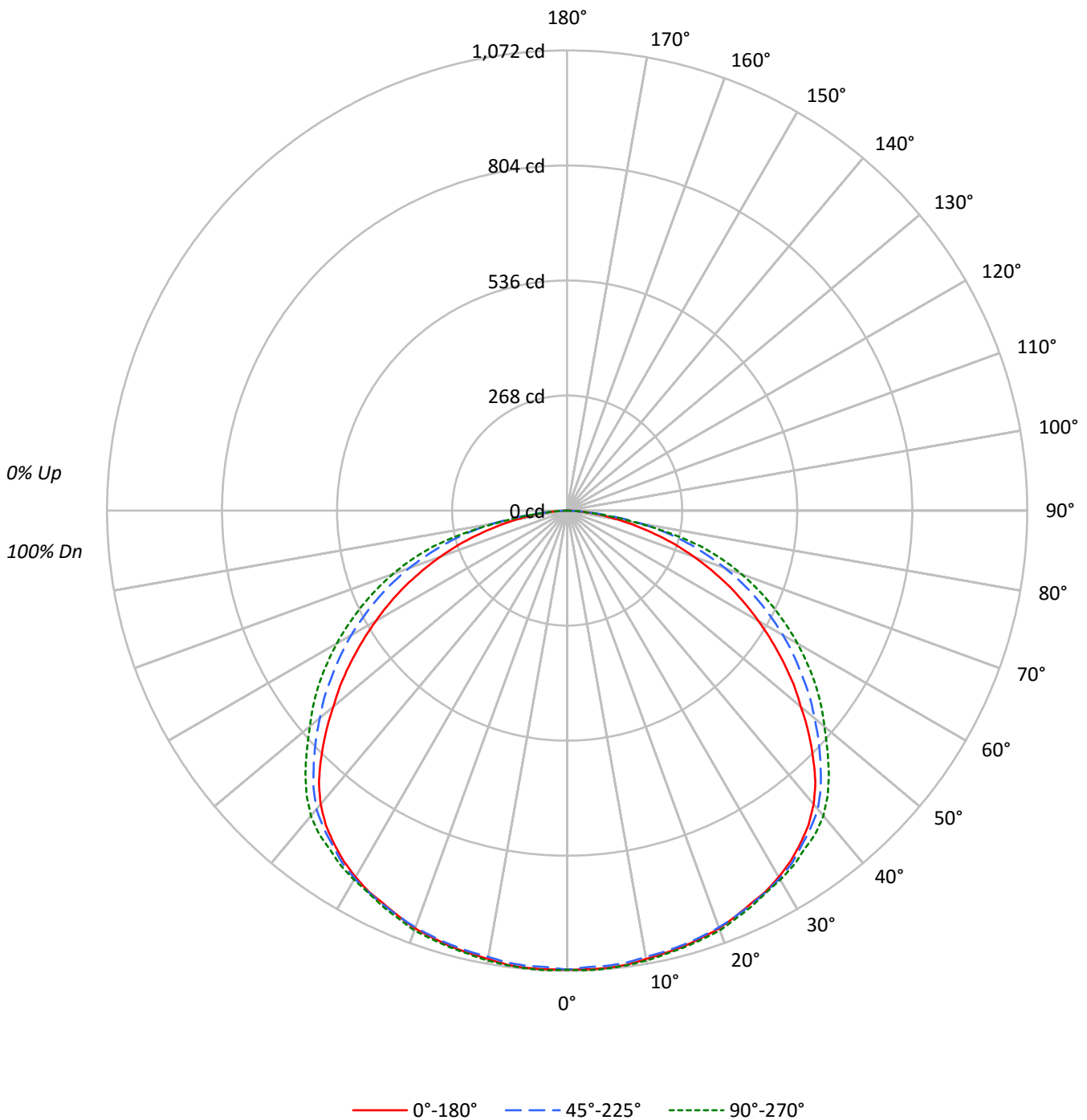
Lumens per Lamp: N/A  
Luminaire Lumens: 3538.4 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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°	1439	1439	1439
5°	1445	1438	1446
10°	1449	1442	1455
15°	1464	1459	1467
20°	1483	1480	1490
25°	1501	1504	1510
30°	1532	1537	1543
35°	1556	1564	1582
40°	1569	1596	1631
45°	1541	1588	1641
50°	1488	1575	1637
55°	1442	1565	1656
60°	1385	1563	1668
65°	1325	1556	1683
70°	1234	1539	1701
75°	1104	1500	1676
80°	920	1385	1288
85°	695	810	675



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.8	2.9
10°-20°	297.2	8.4
20°-30°	468.8	13.2
30°-40°	598.5	16.9
40°-50°	644.7	18.2
50°-60°	594.0	16.8
60°-70°	475.1	13.4
70°-80°	291.6	8.2
80°-90°	66.5	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°	867.8	24.5
0°-40°	1466.4	41.4
0°-60°	2705.1	76.5
0°-90°	3538.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3538.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1070	1070	1070	1070	1070	
5°	1070	1070	1065	1071	1071	102
15°	1051	1052	1047	1053	1053	297
25°	1011	1012	1013	1018	1017	468
35°	947	950	952	962	963	592
45°	810	818	835	856	862	623
55°	615	631	667	697	706	549
65°	416	444	489	518	528	411
75°	212	246	289	315	322	226
85°	45	60	52	46	44	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1069.6	1069.6	1069.6	1069.6	1069.6
2.5°	1069.6	1070.8	1064.6	1070.8	1072.1
5°	1069.6	1069.6	1064.6	1070.8	1070.8
7.5°	1067.1	1067.1	1062.1	1068.3	1068.3
10°	1060.8	1060.8	1055.8	1062.1	1064.6
12.5°	1055.8	1055.8	1052.1	1058.3	1058.3
15°	1050.8	1052.1	1047.1	1053.3	1053.3
17.5°	1043.3	1043.3	1040.8	1045.8	1047.1
20°	1035.8	1035.8	1033.3	1039.6	1040.8
22.5°	1023.4	1024.6	1023.4	1028.4	1028.4
25°	1010.9	1012.1	1013.4	1018.4	1017.1
27.5°	1000.9	1002.1	1002.1	1007.1	1003.4
30°	985.9	989.6	989.6	992.1	993.4
32.5°	968.4	973.4	974.6	979.6	980.9
35°	947.1	949.6	952.1	962.1	963.4
37.5°	923.4	929.6	932.1	945.9	949.6
40°	893.4	900.9	908.4	925.9	928.4
42.5°	855.9	864.7	874.7	893.4	898.4
45°	809.7	818.4	834.7	855.9	862.2
47.5°	762.2	772.2	794.7	817.2	822.2
50°	711.0	726.0	752.2	778.4	782.2
52.5°	664.7	679.7	712.2	739.7	746.0
55°	614.8	631.0	667.2	697.2	706.0
57.5°	564.8	586.0	624.8	654.7	663.5
60°	514.8	537.3	581.0	608.5	619.8
62.5°	466.1	491.1	534.8	566.0	574.8
65°	416.1	443.6	488.6	518.5	528.5
67.5°	364.9	393.6	441.1	471.1	481.1
70°	313.6	346.1	391.1	423.6	432.3
72.5°	264.9	294.9	339.9	368.6	379.9
75°	212.4	246.2	288.6	314.9	322.4
77.5°	164.9	197.4	234.9	251.2	248.7
80°	118.7	152.4	178.7	173.7	166.2
82.5°	80.0	107.5	111.2	103.7	101.2
85°	45.0	60.0	52.5	46.2	43.7
87.5°	18.7	16.2	8.7	3.7	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)