

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: P302078

Luminaire Tested: **ZX-WO-48L930-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302078  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-48L930-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (196)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

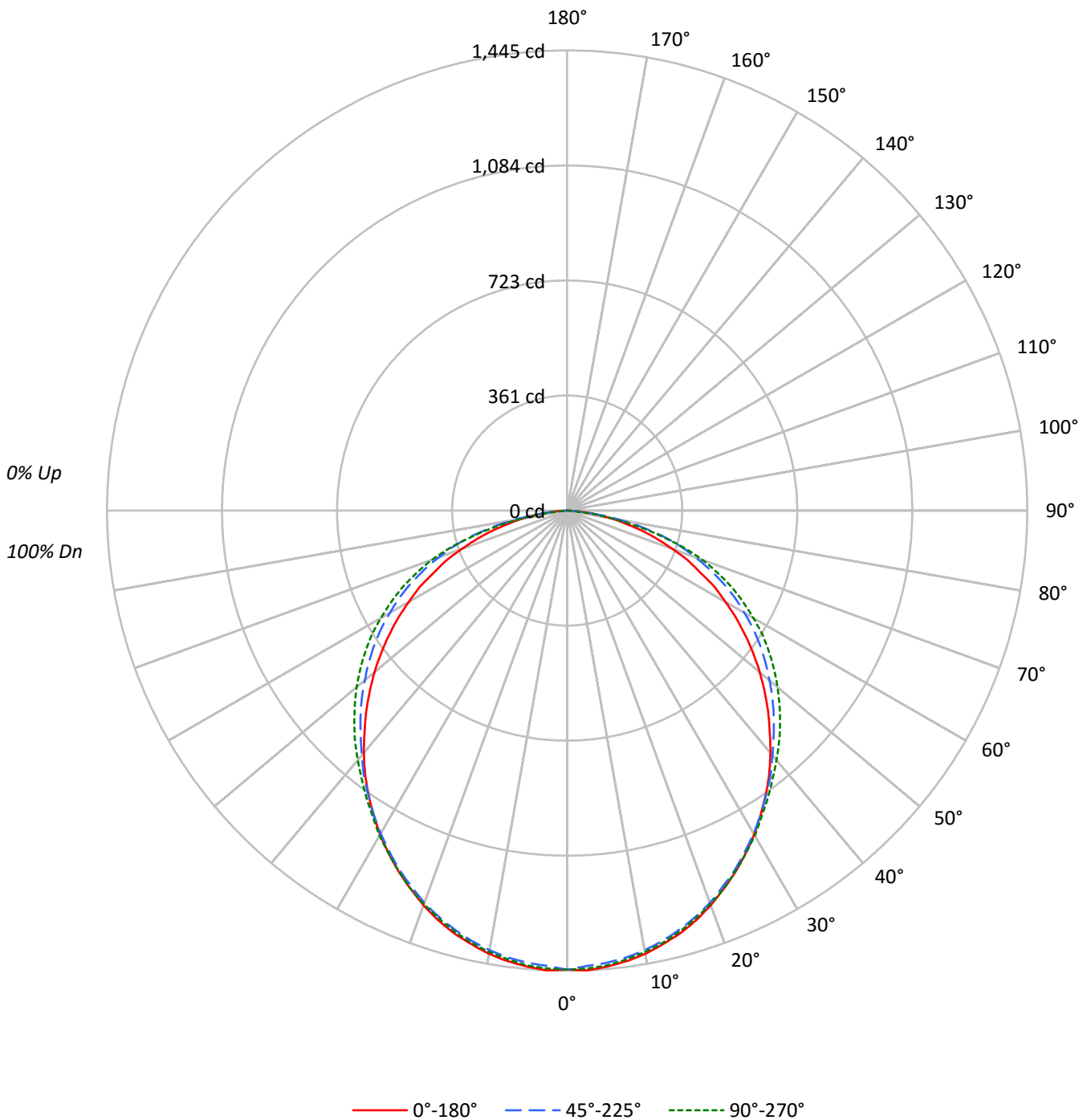
Lumens per Lamp: N/A  
Luminaire Lumens: 4036.1 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 36.9  
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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69					69			
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50					50			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

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

	0°	45°	90°
0°	3879	3879	3879
5°	3883	3851	3872
10°	3863	3830	3847
15°	3828	3795	3812
20°	3777	3754	3765
25°	3717	3699	3711
30°	3650	3638	3663
35°	3574	3580	3613
40°	3489	3523	3593
45°	3396	3494	3599
50°	3306	3471	3612
55°	3205	3474	3631
60°	3092	3464	3634
65°	2942	3445	3633
70°	2765	3371	3557
75°	2505	3223	3120
80°	2142	2600	2295
85°	1525	1220	364



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.9	3.4
10°-20°	385.9	9.6
20°-30°	575.6	14.3
30°-40°	683.9	16.9
40°-50°	709.9	17.6
50°-60°	656.5	16.3
60°-70°	522.9	13.0
70°-80°	306.1	7.6
80°-90°	59.4	1.5
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°	1097.5	27.2
0°-40°	1781.4	44.1
0°-60°	3147.7	78.0
0°-90°	4036.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4036.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1441	1441	1441	1441	1441	
5°	1437	1433	1426	1433	1433	136
15°	1374	1372	1362	1372	1368	387
25°	1252	1250	1246	1252	1250	576
35°	1088	1088	1090	1098	1100	680
45°	892	902	918	940	946	688
55°	683	703	740	766	774	611
65°	462	496	541	563	571	460
75°	241	280	310	306	300	255
85°	49	59	40	20	12	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1441.3	1441.3	1441.3	1441.3	1441.3
2.5°	1445.2	1441.3	1431.4	1441.3	1439.3
5°	1437.3	1433.4	1425.5	1433.4	1433.4
7.5°	1427.4	1423.5	1415.6	1423.5	1421.5
10°	1413.6	1409.7	1401.8	1409.7	1407.7
12.5°	1393.9	1391.9	1384.0	1391.9	1389.9
15°	1374.1	1372.2	1362.3	1372.2	1368.2
17.5°	1348.5	1346.5	1338.6	1344.5	1342.5
20°	1318.8	1314.9	1310.9	1316.9	1314.9
22.5°	1285.3	1283.3	1277.4	1287.3	1285.3
25°	1251.7	1249.7	1245.8	1251.7	1249.7
27.5°	1214.2	1212.2	1208.3	1216.2	1214.2
30°	1174.7	1174.7	1170.8	1180.6	1178.7
32.5°	1131.3	1131.3	1131.3	1137.2	1137.2
35°	1087.8	1087.8	1089.8	1097.7	1099.7
37.5°	1042.4	1042.4	1048.4	1060.2	1060.2
40°	993.1	997.0	1003.0	1020.7	1022.7
42.5°	941.7	949.6	959.5	981.2	985.2
45°	892.4	902.3	918.1	939.8	945.7
47.5°	841.1	852.9	874.6	898.3	904.2
50°	789.7	805.5	829.2	856.9	862.8
52.5°	736.4	754.2	785.8	813.4	819.3
55°	683.1	702.9	740.4	766.0	773.9
57.5°	629.8	651.5	693.0	718.7	728.5
60°	574.5	598.2	643.6	667.3	675.2
62.5°	523.2	548.9	594.3	616.0	623.9
65°	462.0	495.6	541.0	562.7	570.6
67.5°	412.6	444.2	485.7	509.4	511.3
70°	351.4	390.9	428.4	448.2	452.1
72.5°	296.1	335.6	373.1	381.0	381.0
75°	240.9	280.4	310.0	306.0	300.1
77.5°	185.6	225.1	240.9	227.0	221.1
80°	138.2	171.8	167.8	154.0	148.1
82.5°	90.8	116.5	98.7	82.9	75.0
85°	49.4	59.2	39.5	19.7	11.8
87.5°	17.8	11.8	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)