

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: P302384

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-45L930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

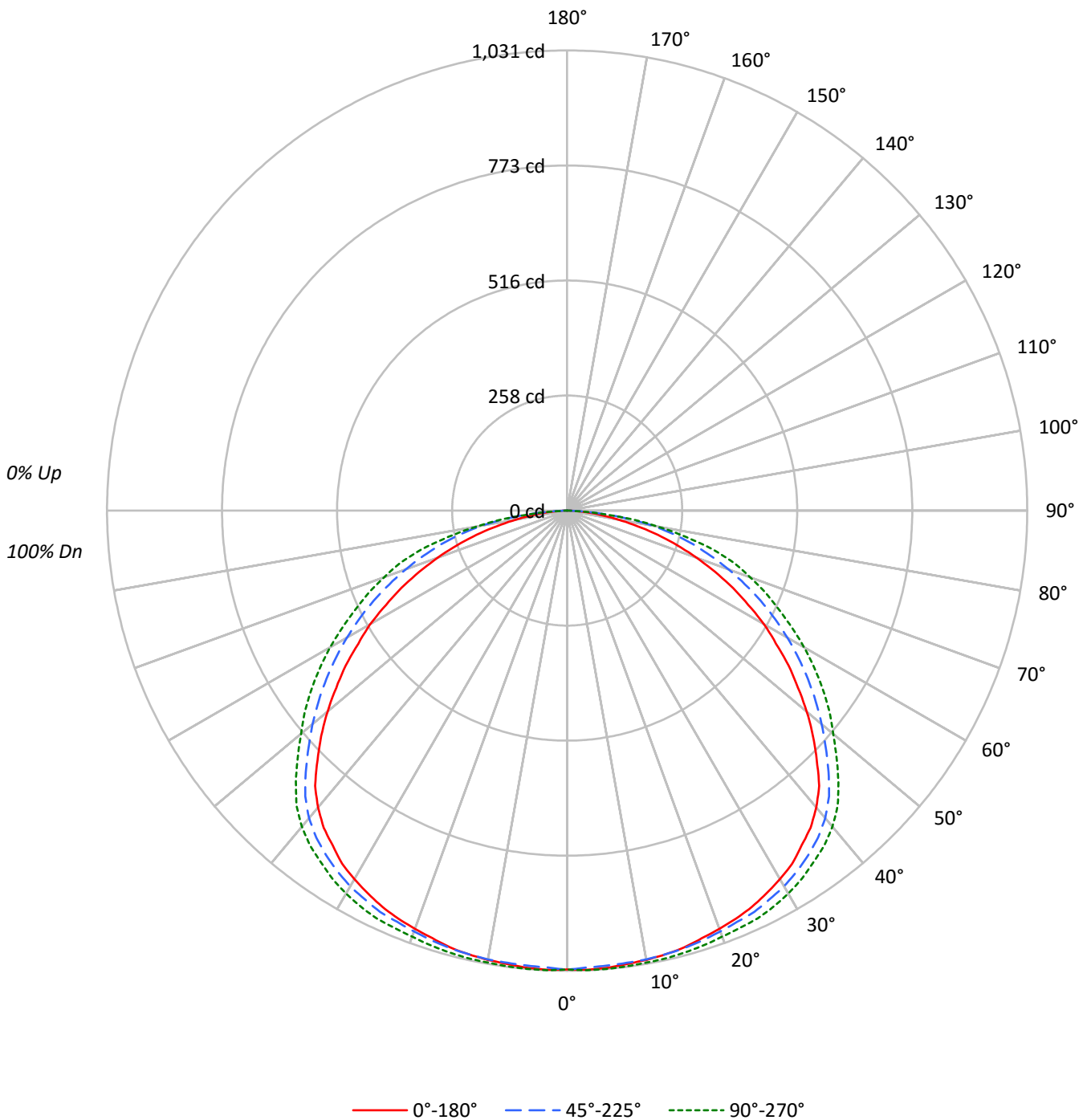
Lumens per Lamp: N/A  
Luminaire Lumens: 3501.8 lumens  
Efficiency: N/A  
Efficacy: 99.2 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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	98	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44		55	49	43		54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38		50	43	38		48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33		45	38	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		41	35	30		40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27		38	31	26		37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24		35	29	24		34	28	24	22

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

	0°	45°	90°
0°	1384	1384	1384
5°	1389	1382	1392
10°	1396	1395	1405
15°	1412	1413	1427
20°	1428	1437	1455
25°	1454	1473	1497
30°	1481	1510	1539
35°	1504	1547	1580
40°	1525	1580	1624
45°	1505	1576	1636
50°	1467	1559	1629
55°	1422	1545	1641
60°	1372	1533	1651
65°	1305	1524	1663
70°	1214	1514	1716
75°	1091	1520	1760
80°	900	1501	1607
85°	656	1119	1042



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.0	2.8
10°-20°	287.9	8.2
20°-30°	458.6	13.1
30°-40°	589.6	16.8
40°-50°	637.5	18.2
50°-60°	586.5	16.7
60°-70°	467.6	13.4
70°-80°	297.0	8.5
80°-90°	79.1	2.3
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°	844.5	24.1
0°-40°	1434.1	41.0
0°-60°	2658.1	75.9
0°-90°	3501.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3501.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1028	1028	1028	1028	1028	
5°	1028	1028	1023	1030	1031	98
15°	1013	1015	1015	1023	1025	286
25°	980	983	992	1003	1008	452
35°	916	926	942	960	962	574
45°	791	805	828	851	860	610
55°	606	624	658	688	700	541
65°	410	431	479	514	522	404
75°	210	240	292	331	339	222
85°	42	66	72	72	68	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1028.4	1028.4	1028.4	1028.4	1028.4
2.5°	1029.6	1029.6	1024.6	1030.8	1030.8
5°	1028.4	1028.4	1023.4	1029.6	1030.8
7.5°	1024.6	1025.9	1022.1	1028.4	1029.6
10°	1022.1	1023.4	1020.9	1027.1	1028.4
12.5°	1018.4	1019.6	1018.4	1025.9	1027.1
15°	1013.4	1014.6	1014.6	1023.4	1024.6
17.5°	1004.6	1007.1	1009.6	1019.6	1020.9
20°	997.1	999.6	1003.4	1014.6	1015.9
22.5°	989.6	992.1	997.1	1010.9	1012.1
25°	979.6	983.4	992.1	1003.4	1008.4
27.5°	967.1	974.6	982.1	995.9	1000.9
30°	953.4	960.9	972.1	987.1	990.9
32.5°	938.4	945.9	958.4	974.6	978.4
35°	915.9	925.9	942.1	959.6	962.1
37.5°	895.9	905.9	923.4	942.1	945.9
40°	868.4	880.9	899.7	917.1	924.6
42.5°	835.9	848.4	868.4	889.7	897.2
45°	790.9	804.7	828.4	850.9	859.7
47.5°	747.2	759.7	785.9	812.2	818.4
50°	701.0	716.0	744.7	772.2	778.4
52.5°	652.2	671.0	702.2	731.0	741.0
55°	606.0	623.5	658.5	688.5	699.7
57.5°	554.8	576.0	614.8	647.2	657.2
60°	509.8	528.5	569.8	603.5	613.5
62.5°	457.3	479.8	524.8	558.5	567.3
65°	409.8	431.1	478.6	513.6	522.3
67.5°	358.6	383.6	431.1	467.3	481.1
70°	308.6	334.9	384.9	422.3	436.1
72.5°	258.6	287.4	337.4	376.1	393.6
75°	209.9	239.9	292.4	331.1	338.6
77.5°	161.2	194.9	244.9	272.4	272.4
80°	116.2	149.9	193.7	201.2	207.4
82.5°	77.5	108.7	132.4	139.9	141.2
85°	42.5	66.2	72.5	72.5	67.5
87.5°	16.2	21.2	15.0	7.5	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)