

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: P302404

Luminaire Tested: **RX-WO-45L940-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302404  
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-45L940-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

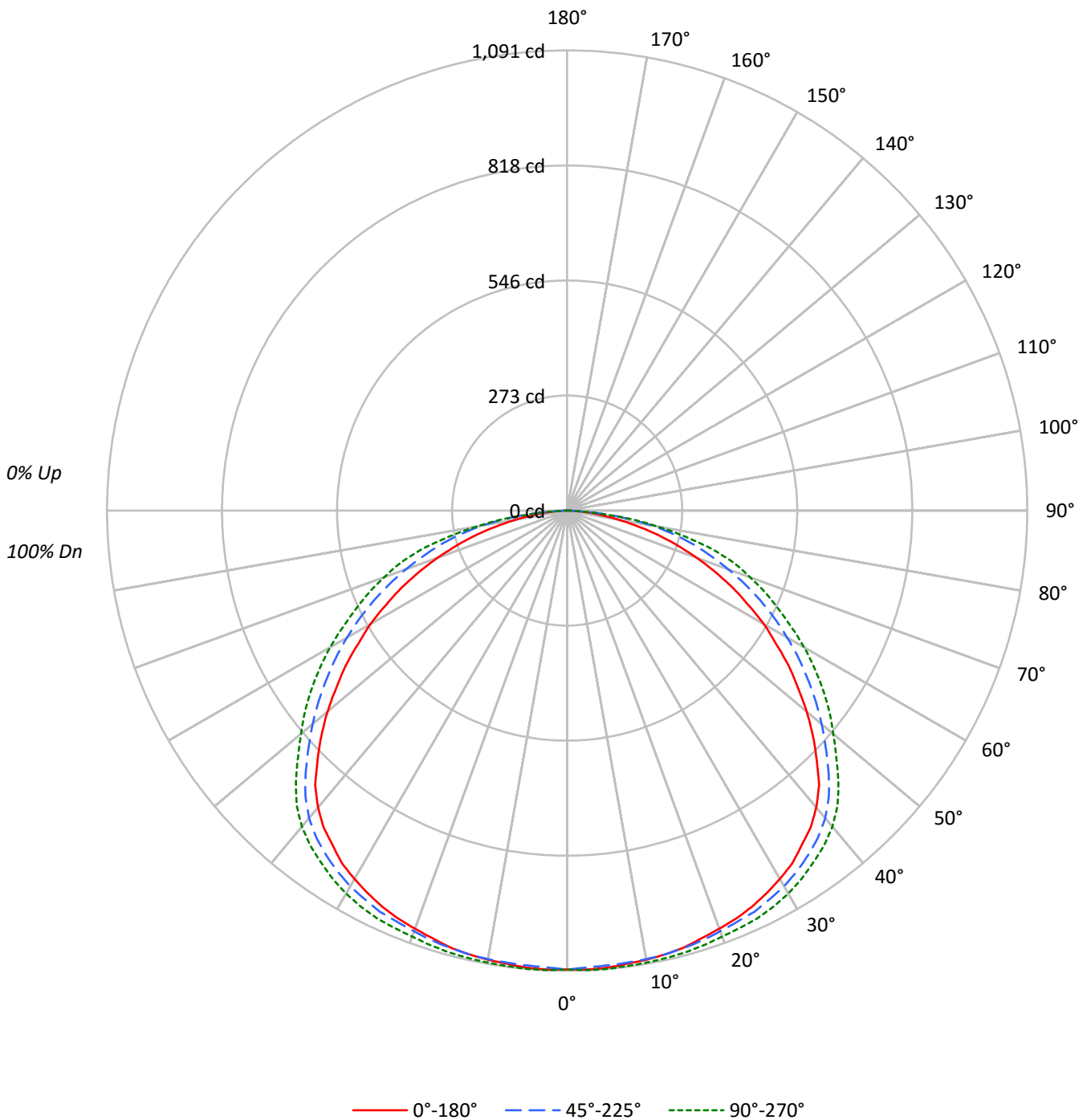
Lumens per Lamp: N/A  
Luminaire Lumens: 3704.7 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P302404  
CATALOG NUMBER: RX-WO-45L940-UNV-24-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P302404

CATALOG NUMBER: RX-WO-45L940-UNV-24-STD

**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		92	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°	1464	1464	1464
5°	1469	1462	1473
10°	1477	1476	1486
15°	1493	1495	1510
20°	1510	1520	1539
25°	1539	1558	1584
30°	1567	1598	1629
35°	1591	1637	1672
40°	1614	1672	1718
45°	1592	1668	1731
50°	1552	1649	1724
55°	1504	1634	1737
60°	1451	1622	1747
65°	1380	1612	1759
70°	1284	1602	1815
75°	1155	1608	1862
80°	952	1588	1700
85°	693	1184	1102



TEST NUMBER: P302404

CATALOG NUMBER: RX-WO-45L940-UNV-24-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.7	2.8
10°-20°	304.6	8.2
20°-30°	485.2	13.1
30°-40°	623.7	16.8
40°-50°	674.5	18.2
50°-60°	620.4	16.7
60°-70°	494.6	13.4
70°-80°	314.2	8.5
80°-90°	83.7	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°	893.5	24.1
0°-40°	1517.2	41.0
0°-60°	2812.1	75.9
0°-90°	3704.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3704.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1088	1088	1083	1089	1091	104
15°	1072	1073	1073	1083	1084	303
25°	1036	1040	1050	1062	1067	478
35°	969	980	997	1015	1018	607
45°	837	851	876	900	910	645
55°	641	660	697	728	740	572
65°	434	456	506	543	553	428
75°	222	254	309	350	358	235
85°	45	70	77	77	71	56
90°	0	0	0	0	0	



TEST NUMBER: P302404

CATALOG NUMBER: RX-WO-45L940-UNV-24-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1087.9	1087.9	1087.9	1087.9	1087.9
2.5°	1089.2	1089.2	1084.0	1090.6	1090.6
5°	1087.9	1087.9	1082.6	1089.2	1090.6
7.5°	1084.0	1085.3	1081.3	1087.9	1089.2
10°	1081.3	1082.6	1080.0	1086.6	1087.9
12.5°	1077.3	1078.7	1077.3	1085.3	1086.6
15°	1072.1	1073.4	1073.4	1082.6	1084.0
17.5°	1062.8	1065.4	1068.1	1078.7	1080.0
20°	1054.9	1057.5	1061.5	1073.4	1074.7
22.5°	1046.9	1049.6	1054.9	1069.4	1070.7
25°	1036.4	1040.3	1049.6	1061.5	1066.8
27.5°	1023.1	1031.1	1039.0	1053.6	1058.8
30°	1008.6	1016.5	1028.4	1044.3	1048.3
32.5°	992.7	1000.7	1013.9	1031.1	1035.0
35°	968.9	979.5	996.7	1015.2	1017.9
37.5°	947.8	958.4	976.9	996.7	1000.7
40°	918.7	931.9	951.8	970.3	978.2
42.5°	884.3	897.6	918.7	941.2	949.1
45°	836.8	851.3	876.4	900.2	909.5
47.5°	790.5	803.7	831.5	859.2	865.8
50°	741.6	757.4	787.9	816.9	823.5
52.5°	690.0	709.9	742.9	773.3	783.9
55°	641.1	659.6	696.6	728.4	740.3
57.5°	586.9	609.4	650.4	684.7	695.3
60°	539.3	559.2	602.8	638.5	649.1
62.5°	483.8	507.6	555.2	590.9	600.1
65°	433.6	456.1	506.3	543.3	552.6
67.5°	379.4	405.8	456.1	494.4	508.9
70°	326.5	354.3	407.1	446.8	461.3
72.5°	273.6	304.0	356.9	397.9	416.4
75°	222.1	253.8	309.3	350.3	358.2
77.5°	170.5	206.2	259.1	288.2	288.2
80°	122.9	158.6	204.9	212.8	219.4
82.5°	82.0	115.0	140.1	148.1	149.4
85°	44.9	70.1	76.7	76.7	71.4
87.5°	17.2	22.5	15.9	7.9	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)