

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: P302363

Luminaire Tested: **RX-WO-40L835-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302363  
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-40L835-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

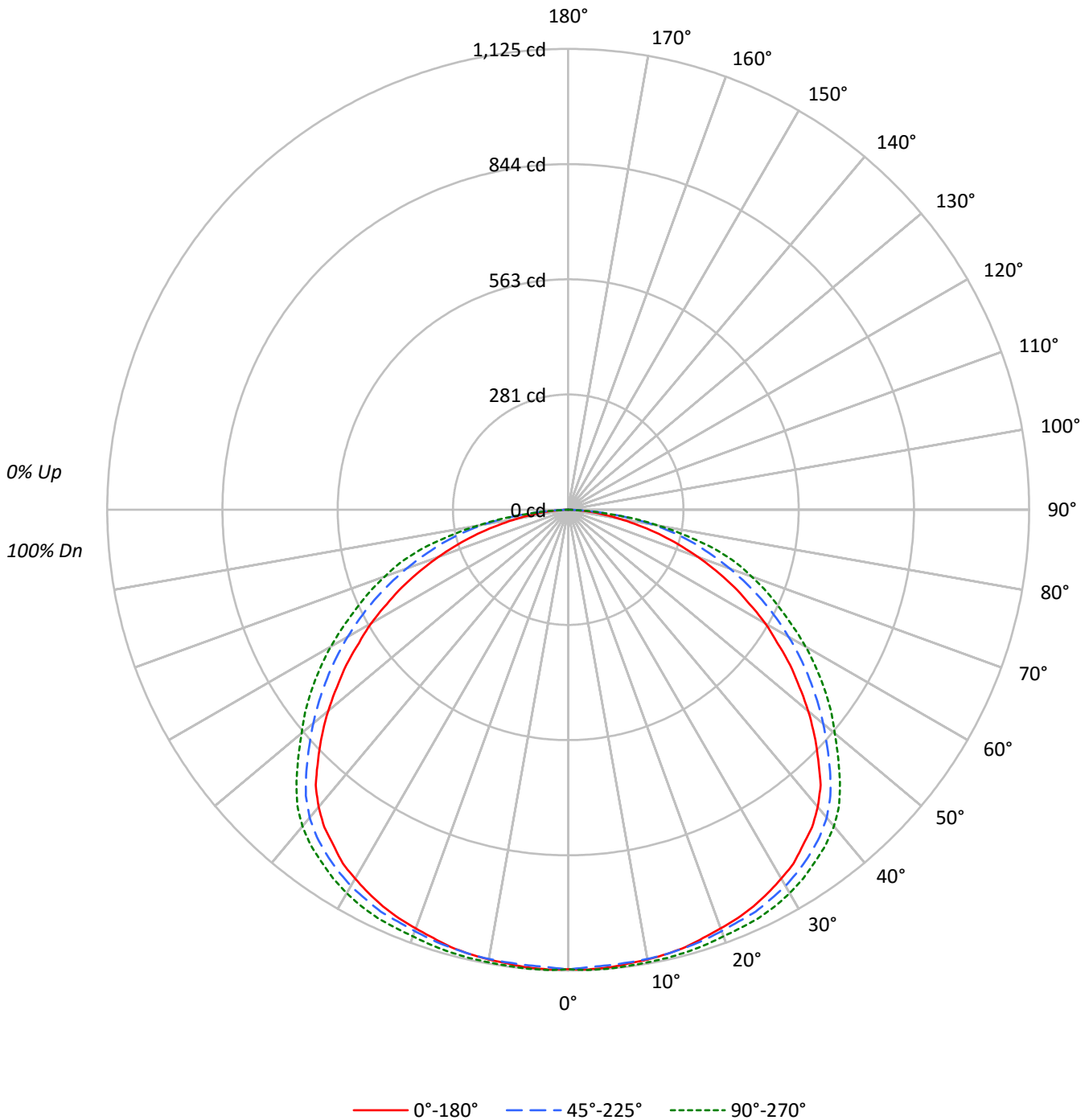
Lumens per Lamp: N/A  
Luminaire Lumens: 3820.6 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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		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°	1510	1510	1510
5°	1515	1508	1519
10°	1524	1522	1533
15°	1540	1542	1557
20°	1558	1567	1587
25°	1587	1607	1633
30°	1616	1648	1679
35°	1641	1688	1724
40°	1664	1724	1772
45°	1642	1720	1785
50°	1601	1701	1778
55°	1551	1685	1791
60°	1497	1673	1801
65°	1423	1662	1814
70°	1325	1652	1872
75°	1190	1658	1920
80°	982	1637	1753
85°	715	1221	1136



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.9	2.8
10°-20°	314.1	8.2
20°-30°	500.4	13.1
30°-40°	643.2	16.8
40°-50°	695.6	18.2
50°-60°	639.8	16.7
60°-70°	510.1	13.4
70°-80°	324.1	8.5
80°-90°	86.3	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°	921.4	24.1
0°-40°	1564.6	41.0
0°-60°	2900.0	75.9
0°-90°	3820.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3820.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1122	1122	1122	1122	1122	
5°	1122	1122	1116	1123	1125	107
15°	1106	1107	1107	1116	1118	312
25°	1069	1073	1082	1095	1100	493
35°	999	1010	1028	1047	1050	626
45°	863	878	904	928	938	665
55°	661	680	718	751	763	590
65°	447	470	522	560	570	441
75°	229	262	319	361	369	242
85°	46	72	79	79	74	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1121.9	1121.9	1121.9	1121.9	1121.9
2.5°	1123.3	1123.3	1117.8	1124.7	1124.7
5°	1121.9	1121.9	1116.5	1123.3	1124.7
7.5°	1117.8	1119.2	1115.1	1121.9	1123.3
10°	1115.1	1116.5	1113.8	1120.6	1121.9
12.5°	1111.0	1112.4	1111.0	1119.2	1120.6
15°	1105.6	1106.9	1106.9	1116.5	1117.8
17.5°	1096.0	1098.8	1101.5	1112.4	1113.8
20°	1087.9	1090.6	1094.7	1106.9	1108.3
22.5°	1079.7	1082.4	1087.9	1102.9	1104.2
25°	1068.8	1072.9	1082.4	1094.7	1100.1
27.5°	1055.1	1063.3	1071.5	1086.5	1091.9
30°	1040.1	1048.3	1060.6	1077.0	1081.0
32.5°	1023.8	1032.0	1045.6	1063.3	1067.4
35°	999.2	1010.2	1027.9	1047.0	1049.7
37.5°	977.4	988.3	1007.4	1027.9	1032.0
40°	947.4	961.1	981.5	1000.6	1008.8
42.5°	912.0	925.6	947.4	970.6	978.8
45°	862.9	877.9	903.8	928.4	937.9
47.5°	815.2	828.8	857.5	886.1	892.9
50°	764.8	781.1	812.5	842.5	849.3
52.5°	711.6	732.1	766.1	797.5	808.4
55°	661.2	680.3	718.4	751.1	763.4
57.5°	605.3	628.4	670.7	706.2	717.1
60°	556.2	576.6	621.6	658.4	669.3
62.5°	498.9	523.5	572.6	609.4	618.9
65°	447.1	470.3	522.1	560.3	569.8
67.5°	391.2	418.5	470.3	509.8	524.8
70°	336.7	365.3	419.9	460.8	475.8
72.5°	282.2	313.5	368.1	410.3	429.4
75°	229.0	261.7	319.0	361.3	369.4
77.5°	175.9	212.7	267.2	297.2	297.2
80°	126.8	163.6	211.3	219.5	226.3
82.5°	84.5	118.6	144.5	152.7	154.0
85°	46.3	72.3	79.1	79.1	73.6
87.5°	17.7	23.2	16.4	8.2	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)