

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: P302025

Luminaire Tested: **RX-WO-48L830-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302025  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-48L830-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (196)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

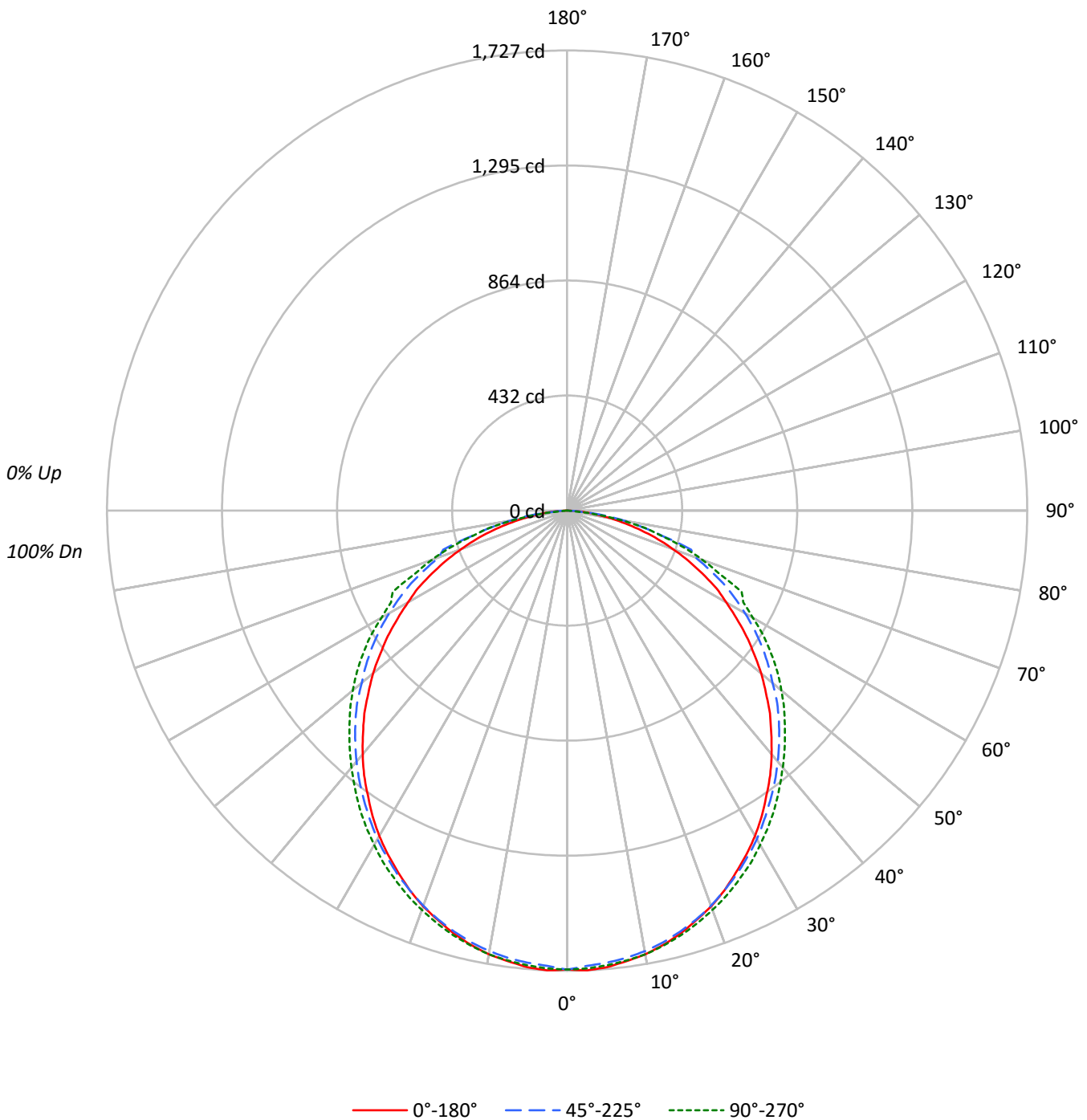
Lumens per Lamp: N/A  
Luminaire Lumens: 4897.4 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43					43			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33					33			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	28	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°	4635	4635	4635
5°	4646	4601	4627
10°	4621	4588	4621
15°	4578	4558	4598
20°	4527	4520	4568
25°	4451	4472	4536
30°	4382	4427	4501
35°	4285	4364	4467
40°	4194	4321	4422
45°	4096	4279	4397
50°	3983	4214	4395
55°	3855	4192	4384
60°	3711	4150	4331
65°	3564	4115	4604
70°	3327	4026	4253
75°	2997	3897	3821
80°	2532	3350	3164
85°	1856	1633	593



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.7	3.3
10°-20°	463.6	9.5
20°-30°	696.9	14.2
30°-40°	833.6	17.0
40°-50°	864.3	17.6
50°-60°	792.6	16.2
60°-70°	630.5	12.9
70°-80°	374.7	7.7
80°-90°	78.5	1.6
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°	1323.2	27.0
0°-40°	2156.8	44.0
0°-60°	3813.7	77.9
0°-90°	4897.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4897.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1722	1722	1722	1722	1722	
5°	1720	1715	1703	1715	1713	163
15°	1643	1641	1636	1650	1650	463
25°	1499	1501	1506	1528	1528	691
35°	1304	1312	1328	1355	1360	817
45°	1076	1093	1124	1148	1156	829
55°	822	850	894	930	934	734
65°	560	593	646	673	723	554
75°	288	329	375	372	368	306
85°	60	74	53	29	19	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1722.4	1722.4	1722.4	1722.4	1722.4
2.5°	1727.2	1722.4	1710.4	1722.4	1720.0
5°	1720.0	1715.2	1703.2	1715.2	1712.8
7.5°	1705.6	1703.2	1693.6	1705.6	1703.2
10°	1691.2	1686.4	1679.2	1691.2	1691.2
12.5°	1669.6	1664.8	1660.0	1674.4	1672.0
15°	1643.2	1640.8	1636.0	1650.4	1650.4
17.5°	1611.9	1611.9	1609.5	1623.9	1623.9
20°	1580.7	1578.3	1578.3	1595.1	1595.1
22.5°	1542.3	1542.3	1542.3	1563.9	1563.9
25°	1499.0	1501.4	1506.2	1527.8	1527.8
27.5°	1455.8	1460.6	1465.4	1487.0	1491.8
30°	1410.1	1412.5	1424.6	1446.2	1448.6
32.5°	1359.7	1364.5	1376.5	1400.5	1405.3
35°	1304.4	1311.6	1328.5	1354.9	1359.7
37.5°	1251.6	1261.2	1280.4	1306.8	1309.2
40°	1193.9	1205.9	1230.0	1254.0	1258.8
42.5°	1133.9	1148.3	1177.1	1203.5	1208.3
45°	1076.2	1093.0	1124.3	1148.3	1155.5
47.5°	1011.4	1030.6	1069.0	1097.8	1105.0
50°	951.3	970.5	1006.6	1042.6	1049.8
52.5°	884.0	910.5	951.3	987.3	994.5
55°	821.6	850.4	893.6	929.7	934.5
57.5°	754.3	785.5	833.6	867.2	874.4
60°	689.5	723.1	771.1	802.4	804.8
62.5°	631.8	660.6	708.7	737.5	744.7
65°	559.7	593.4	646.2	672.6	723.1
67.5°	492.5	526.1	576.5	665.4	617.4
70°	422.8	461.2	511.7	535.7	540.5
72.5°	357.9	396.4	487.7	461.2	458.8
75°	288.3	329.1	374.8	372.4	367.5
77.5°	223.4	266.7	293.1	295.5	295.5
80°	163.4	216.2	216.2	216.2	204.2
82.5°	105.7	139.3	139.3	120.1	108.1
85°	60.1	74.5	52.9	28.8	19.2
87.5°	21.6	16.8	4.8	4.8	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)