

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: P302096

Luminaire Tested: **RX-WO-44H830-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302096  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-44H830-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

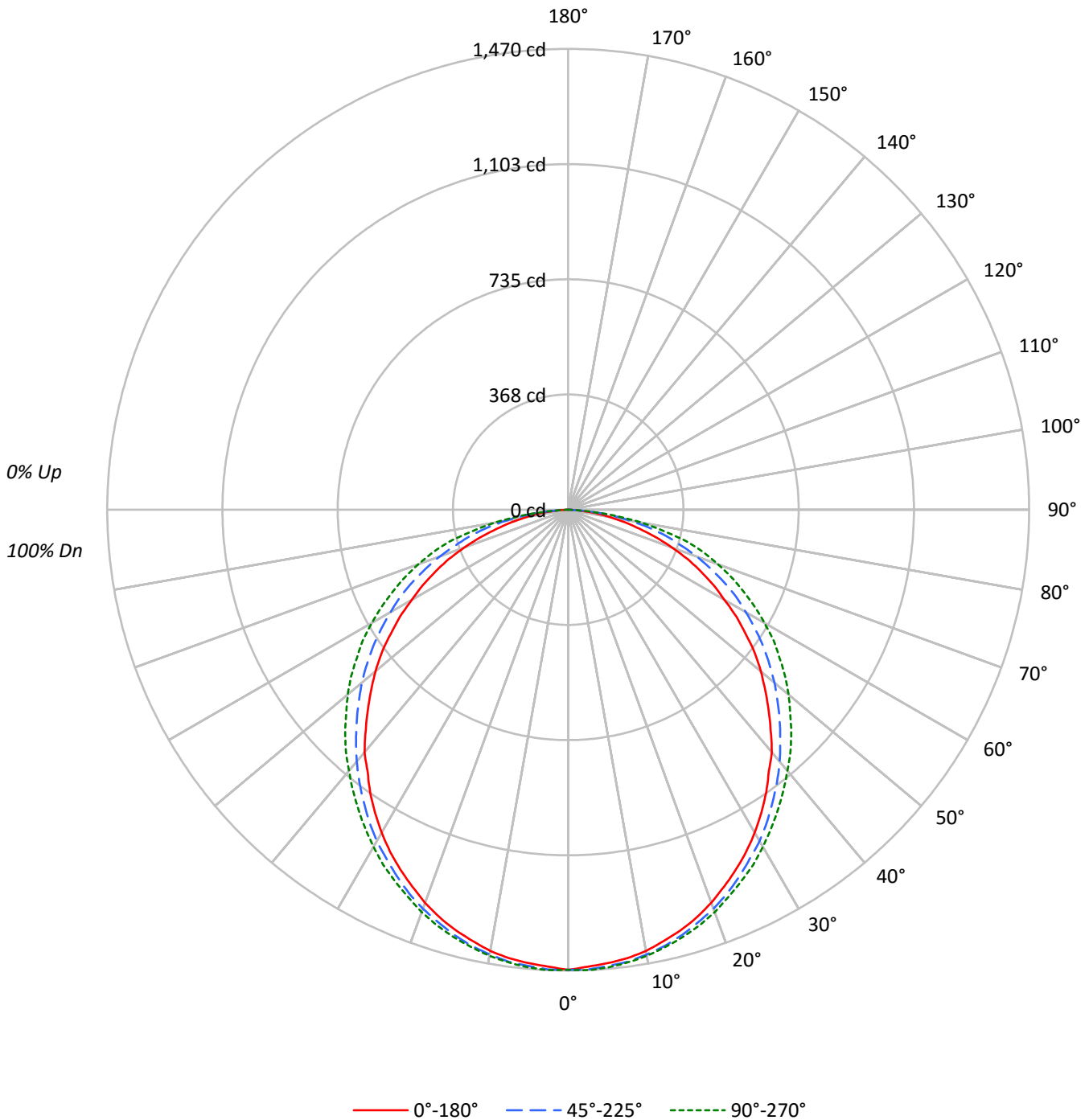
Lumens per Lamp: N/A  
Luminaire Lumens: 4207.4 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.2  
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: P302096  
CATALOG NUMBER: RX-WO-44H830-UNV-22-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P302096

CATALOG NUMBER: RX-WO-44H830-UNV-22-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	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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69					69			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26					26			
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

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

	0°	45°	90°
0°	3950	3950	3950
5°	3922	3947	3959
10°	3906	3936	3949
15°	3868	3913	3931
20°	3821	3879	3912
25°	3760	3833	3881
30°	3695	3794	3857
35°	3617	3735	3832
40°	3549	3684	3819
45°	3440	3629	3827
50°	3357	3594	3841
55°	3241	3560	3857
60°	3096	3523	3889
65°	2971	3491	3923
70°	2762	3422	3992
75°	2450	3344	4075
80°	2070	3124	3685
85°	1470	2167	2100



TEST NUMBER: P302096

CATALOG NUMBER: RX-WO-44H830-UNV-22-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.7	3.3
10°-20°	395.5	9.4
20°-30°	594.2	14.1
30°-40°	710.9	16.9
40°-50°	737.1	17.5
50°-60°	678.0	16.1
60°-70°	538.1	12.8
70°-80°	332.3	7.9
80°-90°	82.6	2.0
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°	1128.4	26.8
0°-40°	1839.3	43.7
0°-60°	3254.4	77.3
0°-90°	4207.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4207.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1468	1468	1468	1468	1468	
5°	1452	1456	1461	1466	1466	138
15°	1388	1393	1404	1411	1411	391
25°	1266	1275	1291	1305	1307	583
35°	1101	1112	1137	1160	1166	688
45°	904	920	954	992	1006	698
55°	691	709	759	811	822	618
65°	467	487	548	600	616	461
75°	236	267	322	372	392	252
85°	48	61	70	70	68	60
90°	0	0	0	0	0	



TEST NUMBER: P302096

CATALOG NUMBER: RX-WO-44H830-UNV-22-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1467.8	1467.8	1467.8	1467.8	1467.8
2.5°	1458.7	1461.0	1467.8	1470.1	1470.1
5°	1451.9	1456.5	1461.0	1465.5	1465.5
7.5°	1442.9	1447.4	1454.2	1456.5	1456.5
10°	1429.3	1433.8	1440.6	1445.2	1445.2
12.5°	1408.9	1415.7	1424.8	1429.3	1429.3
15°	1388.5	1393.1	1404.4	1411.2	1411.2
17.5°	1363.6	1368.1	1379.5	1388.5	1390.8
20°	1334.2	1338.7	1354.5	1363.6	1365.9
22.5°	1300.2	1307.0	1325.1	1334.2	1336.4
25°	1266.2	1275.3	1291.1	1304.7	1307.0
27.5°	1230.0	1239.0	1254.9	1273.0	1277.5
30°	1189.2	1198.3	1220.9	1236.8	1241.3
32.5°	1146.2	1157.5	1180.1	1200.5	1205.0
35°	1100.9	1112.2	1137.1	1159.7	1166.5
37.5°	1051.0	1066.9	1094.1	1119.0	1128.0
40°	1010.2	1019.3	1048.8	1078.2	1087.3
42.5°	955.9	969.5	1001.2	1035.2	1048.8
45°	903.8	919.6	953.6	992.1	1005.7
47.5°	851.7	867.5	906.1	946.8	960.4
50°	801.9	815.4	858.5	903.8	917.4
52.5°	749.8	763.3	808.7	858.5	872.1
55°	690.9	709.0	758.8	810.9	822.2
57.5°	636.5	654.6	706.7	756.6	776.9
60°	575.3	598.0	654.6	704.5	722.6
62.5°	523.2	541.4	604.8	654.6	670.5
65°	466.6	487.0	548.2	600.3	616.1
67.5°	412.3	432.6	491.5	543.6	564.0
70°	351.1	373.7	434.9	487.0	507.4
72.5°	294.5	321.6	376.0	430.4	453.0
75°	235.6	267.3	321.6	371.5	391.9
77.5°	183.5	210.7	262.8	296.7	308.1
80°	133.6	160.8	201.6	224.2	237.8
82.5°	90.6	106.5	138.2	154.0	154.0
85°	47.6	61.2	70.2	70.2	68.0
87.5°	15.9	18.1	13.6	6.8	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)