

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: G3-1902-133-13

Luminaire Tested: **RX-WO-30H830-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G3-1902-133-13  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-30H830-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

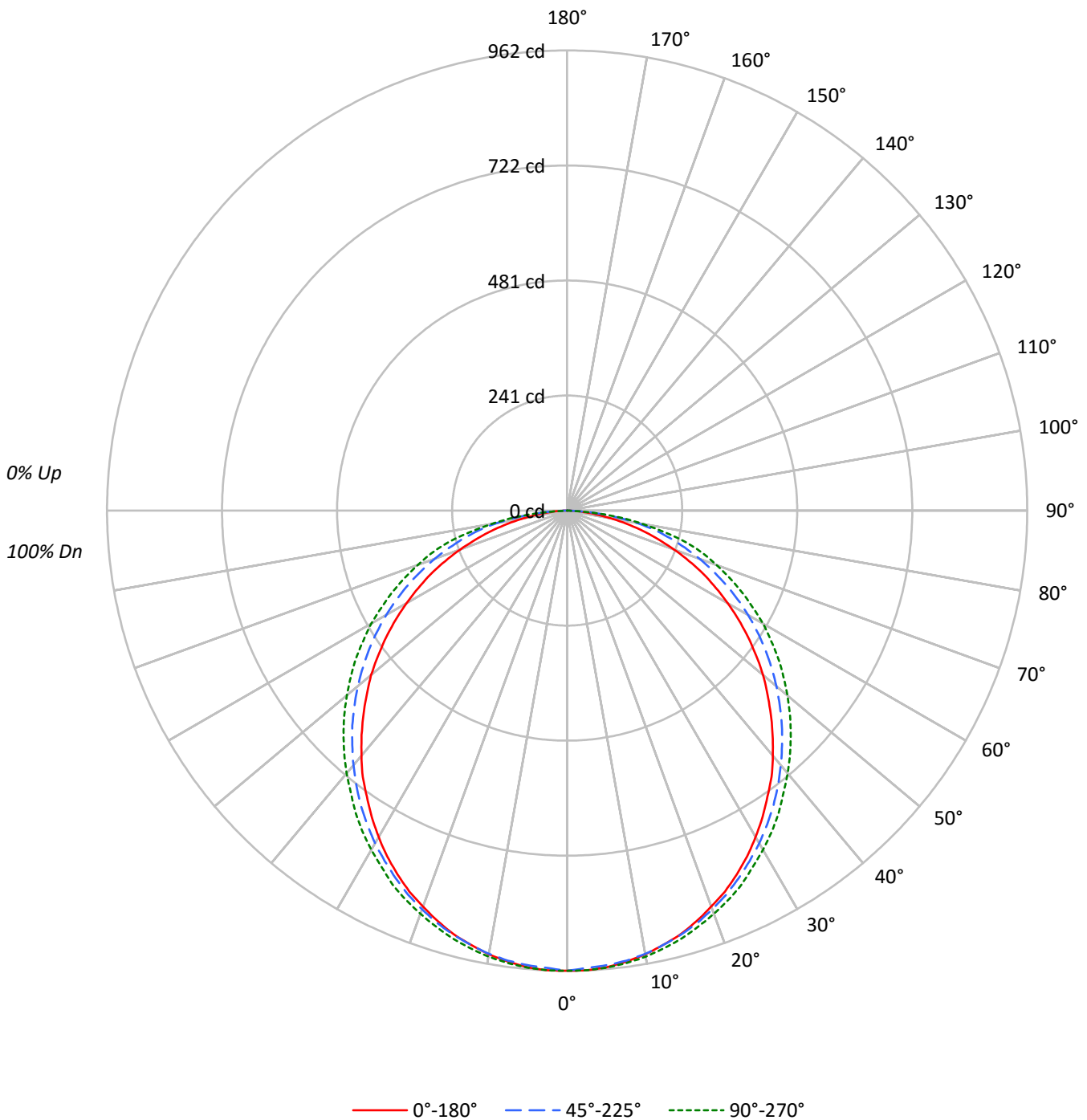
Lumens per Lamp: N/A  
Luminaire Lumens: 2800.2 lumens  
Efficiency: N/A  
Efficacy: 129.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.6  
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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

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

	0°	45°	90°
0°	1294	1294	1294
5°	1294	1289	1295
10°	1287	1286	1294
15°	1277	1279	1290
20°	1261	1270	1284
25°	1246	1259	1281
30°	1224	1248	1272
35°	1199	1235	1266
40°	1175	1221	1259
45°	1145	1208	1258
50°	1120	1195	1258
55°	1084	1185	1264
60°	1044	1176	1273
65°	1003	1165	1283
70°	936	1157	1306
75°	853	1159	1346
80°	705	1147	1240
85°	540	911	880



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.0	3.2
10°-20°	259.7	9.3
20°-30°	391.8	14.0
30°-40°	470.4	16.8
40°-50°	489.2	17.5
50°-60°	449.9	16.1
60°-70°	358.6	12.8
70°-80°	227.2	8.1
80°-90°	62.5	2.2
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°	742.5	26.5
0°-40°	1212.8	43.3
0°-60°	2151.9	76.8
0°-90°	2800.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2800.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	958	958	954	959	959	91
15°	917	917	918	925	926	258
25°	839	843	848	860	863	386
35°	730	738	752	766	771	457
45°	602	615	635	655	661	465
55°	462	477	505	530	539	413
65°	315	331	366	394	403	310
75°	164	185	223	251	259	173
85°	35	50	59	58	57	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	962	962	962	962	962
2.5°	962	962	957	962	962
5°	958	958	954	959	959
7.5°	951	952	949	954	954
10°	942	943	941	947	947
12.5°	930	931	930	937	937
15°	917	917	918	925	926
17.5°	900	902	904	912	912
20°	881	884	887	897	897
22.5°	862	865	869	879	881
25°	839	843	848	860	863
27.5°	815	818	826	839	840
30°	788	793	803	816	819
32.5°	760	767	778	793	796
35°	730	738	752	766	771
37.5°	702	708	724	740	743
40°	669	678	695	713	717
42.5°	636	646	665	683	690
45°	602	615	635	655	661
47.5°	568	582	603	625	632
50°	535	548	571	594	601
52.5°	498	513	538	563	570
55°	462	477	505	530	539
57.5°	425	442	471	497	505
60°	388	406	437	463	473
62.5°	351	368	402	428	437
65°	315	331	366	394	403
67.5°	276	294	330	359	367
70°	238	256	294	324	332
72.5°	199	220	258	287	298
75°	164	185	223	251	259
77.5°	127	148	187	207	208
80°	91	115	148	156	160
82.5°	60	83	102	112	112
85°	35	50	59	58	57
87.5°	13	17	14	10	7
90°	0	0	0	0	0

(END OF REPORT)