

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: P302095

Luminaire Tested: **RX-WO-39H830-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302095  
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-39H830-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**

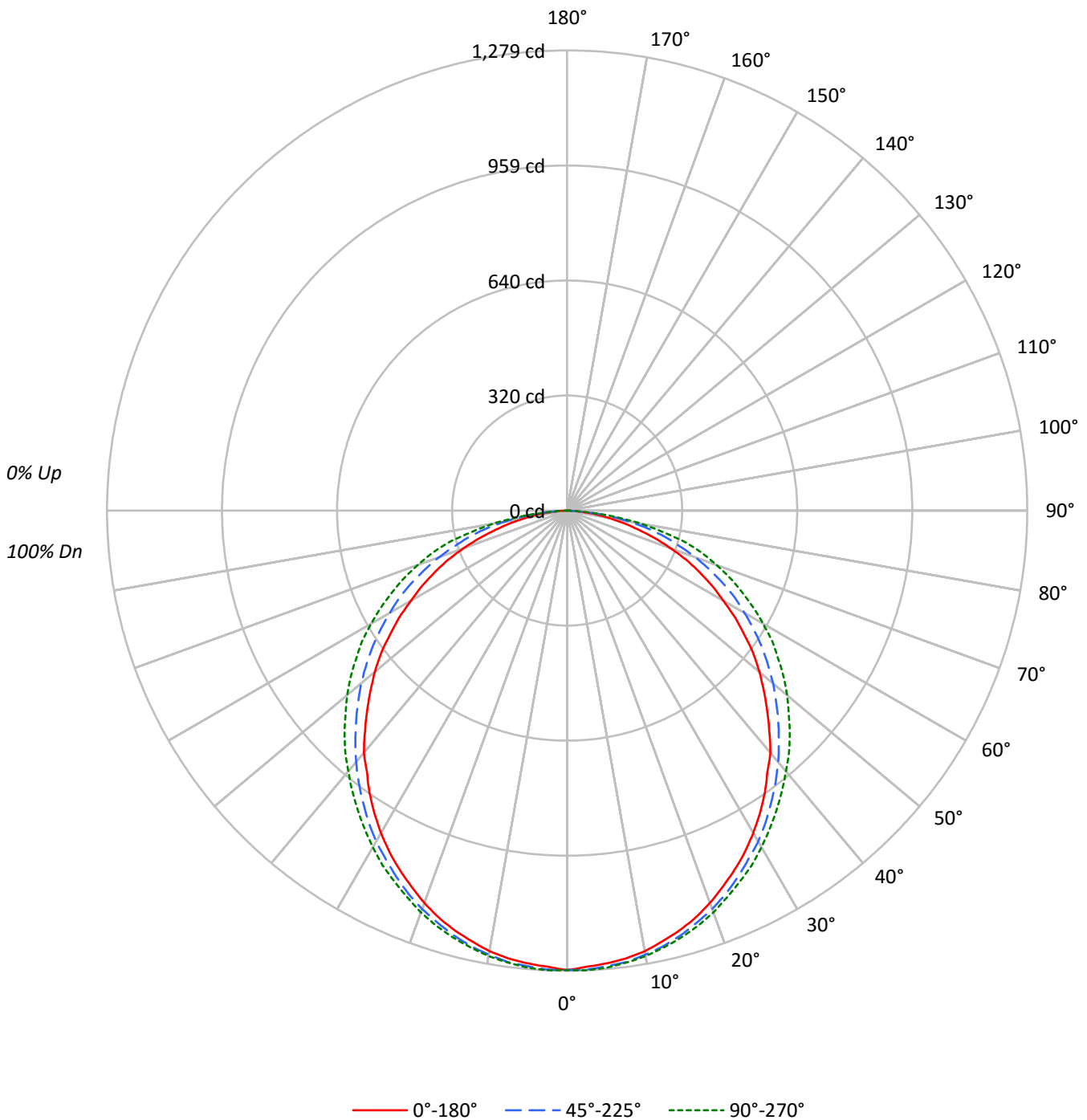
Lumens per Lamp: N/A  
Luminaire Lumens: 3660.5 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.9  
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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	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	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

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

	0°	45°	90°
0°	3436	3436	3436
5°	3412	3434	3444
10°	3398	3425	3436
15°	3366	3404	3421
20°	3324	3375	3403
25°	3271	3335	3376
30°	3215	3301	3356
35°	3146	3250	3334
40°	3087	3205	3323
45°	2992	3158	3330
50°	2920	3127	3341
55°	2820	3097	3356
60°	2694	3065	3384
65°	2585	3037	3413
70°	2404	2977	3473
75°	2131	2909	3544
80°	1802	2718	3206
85°	1278	1886	1825



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.7	3.3
10°-20°	344.1	9.4
20°-30°	517.0	14.1
30°-40°	618.5	16.9
40°-50°	641.3	17.5
50°-60°	589.9	16.1
60°-70°	468.1	12.8
70°-80°	289.1	7.9
80°-90°	71.8	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°	981.7	26.8
0°-40°	1600.2	43.7
0°-60°	2831.4	77.3
0°-90°	3660.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3660.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1277	1277	1277	1277	1277	
5°	1263	1267	1271	1275	1275	120
15°	1208	1212	1222	1228	1228	341
25°	1102	1110	1123	1135	1137	508
35°	958	968	989	1009	1015	599
45°	786	800	830	863	875	607
55°	601	617	660	706	715	538
65°	406	424	477	522	536	402
75°	205	232	280	323	341	219
85°	41	53	61	61	59	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1277.0	1277.0	1277.0	1277.0	1277.0
2.5°	1269.1	1271.1	1277.0	1279.0	1279.0
5°	1263.2	1267.2	1271.1	1275.1	1275.1
7.5°	1255.3	1259.3	1265.2	1267.2	1267.2
10°	1243.5	1247.5	1253.4	1257.3	1257.3
12.5°	1225.8	1231.7	1239.6	1243.5	1243.5
15°	1208.1	1212.0	1221.8	1227.8	1227.8
17.5°	1186.4	1190.3	1200.2	1208.1	1210.0
20°	1160.8	1164.7	1178.5	1186.4	1188.3
22.5°	1131.2	1137.1	1152.9	1160.8	1162.7
25°	1101.6	1109.5	1123.3	1135.1	1137.1
27.5°	1070.1	1078.0	1091.8	1107.5	1111.5
30°	1034.6	1042.5	1062.2	1076.0	1080.0
32.5°	997.2	1007.0	1026.7	1044.5	1048.4
35°	957.8	967.6	989.3	1009.0	1014.9
37.5°	914.4	928.2	951.9	973.5	981.4
40°	878.9	886.8	912.4	938.1	945.9
42.5°	831.6	843.5	871.1	900.6	912.4
45°	786.3	800.1	829.7	863.2	875.0
47.5°	741.0	754.8	788.3	823.8	835.6
50°	697.6	709.5	746.9	786.3	798.1
52.5°	652.3	664.1	703.5	746.9	758.7
55°	601.1	616.8	660.2	705.5	715.4
57.5°	553.8	569.5	614.9	658.2	676.0
60°	500.6	520.3	569.5	612.9	628.7
62.5°	455.2	471.0	526.2	569.5	583.3
65°	406.0	423.7	476.9	522.2	536.0
67.5°	358.7	376.4	427.6	473.0	490.7
70°	305.5	325.2	378.4	423.7	441.4
72.5°	256.2	279.8	327.1	374.4	394.1
75°	205.0	232.5	279.8	323.2	340.9
77.5°	159.6	183.3	228.6	258.2	268.0
80°	116.3	139.9	175.4	195.1	206.9
82.5°	78.8	92.6	120.2	134.0	134.0
85°	41.4	53.2	61.1	61.1	59.1
87.5°	13.8	15.8	11.8	5.9	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)