

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: P302137

Luminaire Tested: **ZX-WO-39H835-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302137  
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: ZX-WO-39H835-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

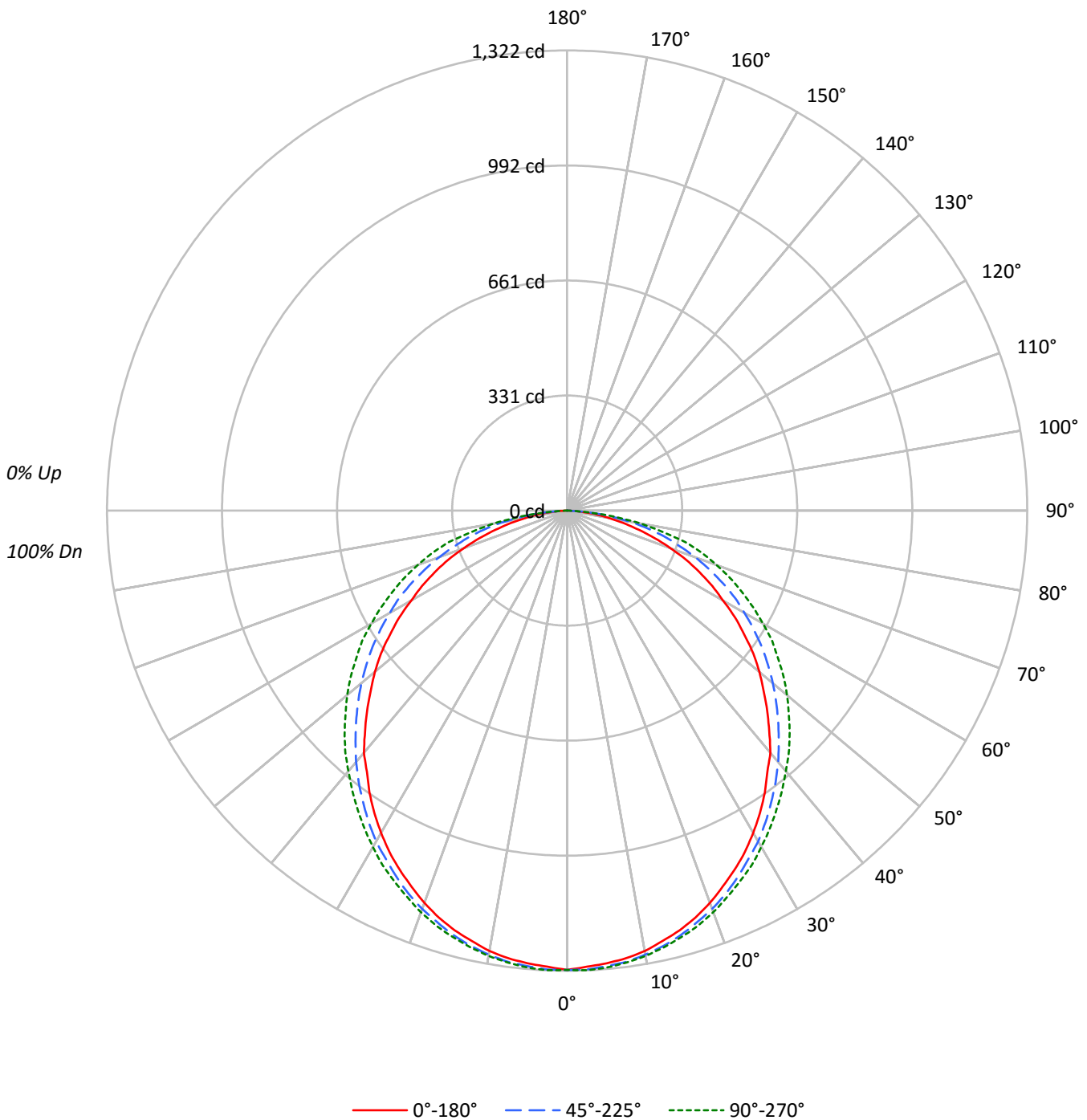
Lumens per Lamp: N/A  
Luminaire Lumens: 3782.6 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.9  
Input Voltage (V): 120  
Input Current (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	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°	3551	3551	3551
5°	3526	3548	3559
10°	3511	3539	3550
15°	3478	3517	3534
20°	3435	3487	3517
25°	3380	3447	3489
30°	3322	3411	3468
35°	3251	3358	3445
40°	3191	3312	3434
45°	3092	3263	3441
50°	3018	3231	3453
55°	2914	3201	3468
60°	2784	3167	3496
65°	2671	3138	3527
70°	2483	3076	3589
75°	2202	3007	3663
80°	1861	2808	3313
85°	1321	1948	1886



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.7	3.3
10°-20°	355.5	9.4
20°-30°	534.2	14.1
30°-40°	639.1	16.9
40°-50°	662.7	17.5
50°-60°	609.5	16.1
60°-70°	483.7	12.8
70°-80°	298.8	7.9
80°-90°	74.2	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°	1014.5	26.8
0°-40°	1653.6	43.7
0°-60°	2925.8	77.3
0°-90°	3782.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3782.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1320	1320	1320	1320	1320	
5°	1305	1309	1314	1318	1318	124
15°	1248	1252	1263	1269	1269	352
25°	1138	1146	1161	1173	1175	524
35°	990	1000	1022	1043	1049	619
45°	812	827	857	892	904	628
55°	621	637	682	729	739	556
65°	420	438	493	540	554	415
75°	212	240	289	334	352	227
85°	43	55	63	63	61	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1319.6	1319.6	1319.6	1319.6	1319.6
2.5°	1311.5	1313.5	1319.6	1321.6	1321.6
5°	1305.4	1309.4	1313.5	1317.6	1317.6
7.5°	1297.2	1301.3	1307.4	1309.4	1309.4
10°	1285.0	1289.1	1295.2	1299.2	1299.2
12.5°	1266.7	1272.8	1280.9	1285.0	1285.0
15°	1248.3	1252.4	1262.6	1268.7	1268.7
17.5°	1225.9	1230.0	1240.2	1248.3	1250.4
20°	1199.5	1203.5	1217.8	1225.9	1228.0
22.5°	1168.9	1175.0	1191.3	1199.5	1201.5
25°	1138.4	1146.5	1160.8	1173.0	1175.0
27.5°	1105.8	1113.9	1128.2	1144.5	1148.6
30°	1069.1	1077.3	1097.6	1111.9	1116.0
32.5°	1030.4	1040.6	1061.0	1079.3	1083.4
35°	989.7	999.9	1022.3	1042.7	1048.8
37.5°	944.9	959.2	983.6	1006.0	1014.1
40°	908.3	916.4	942.9	969.3	977.5
42.5°	859.4	871.6	900.1	930.7	942.9
45°	812.5	826.8	857.3	892.0	904.2
47.5°	765.7	780.0	814.6	851.2	863.4
50°	720.9	733.1	771.8	812.5	824.8
52.5°	674.1	686.3	727.0	771.8	784.0
55°	621.1	637.4	682.2	729.0	739.2
57.5°	572.2	588.5	635.4	680.2	698.5
60°	517.3	537.6	588.5	633.3	649.6
62.5°	470.4	486.7	543.7	588.5	602.8
65°	419.5	437.8	492.8	539.7	553.9
67.5°	370.6	389.0	441.9	488.7	507.1
70°	315.6	336.0	391.0	437.8	456.2
72.5°	264.7	289.2	338.0	386.9	407.3
75°	211.8	240.3	289.2	334.0	352.3
77.5°	165.0	189.4	236.2	266.8	277.0
80°	120.1	144.6	181.2	201.6	213.8
82.5°	81.5	95.7	124.2	138.5	138.5
85°	42.8	55.0	63.1	63.1	61.1
87.5°	14.3	16.3	12.2	6.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)