

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: P302159

Luminaire Tested: **ZX-WO-29H940-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302159  
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-29H940-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

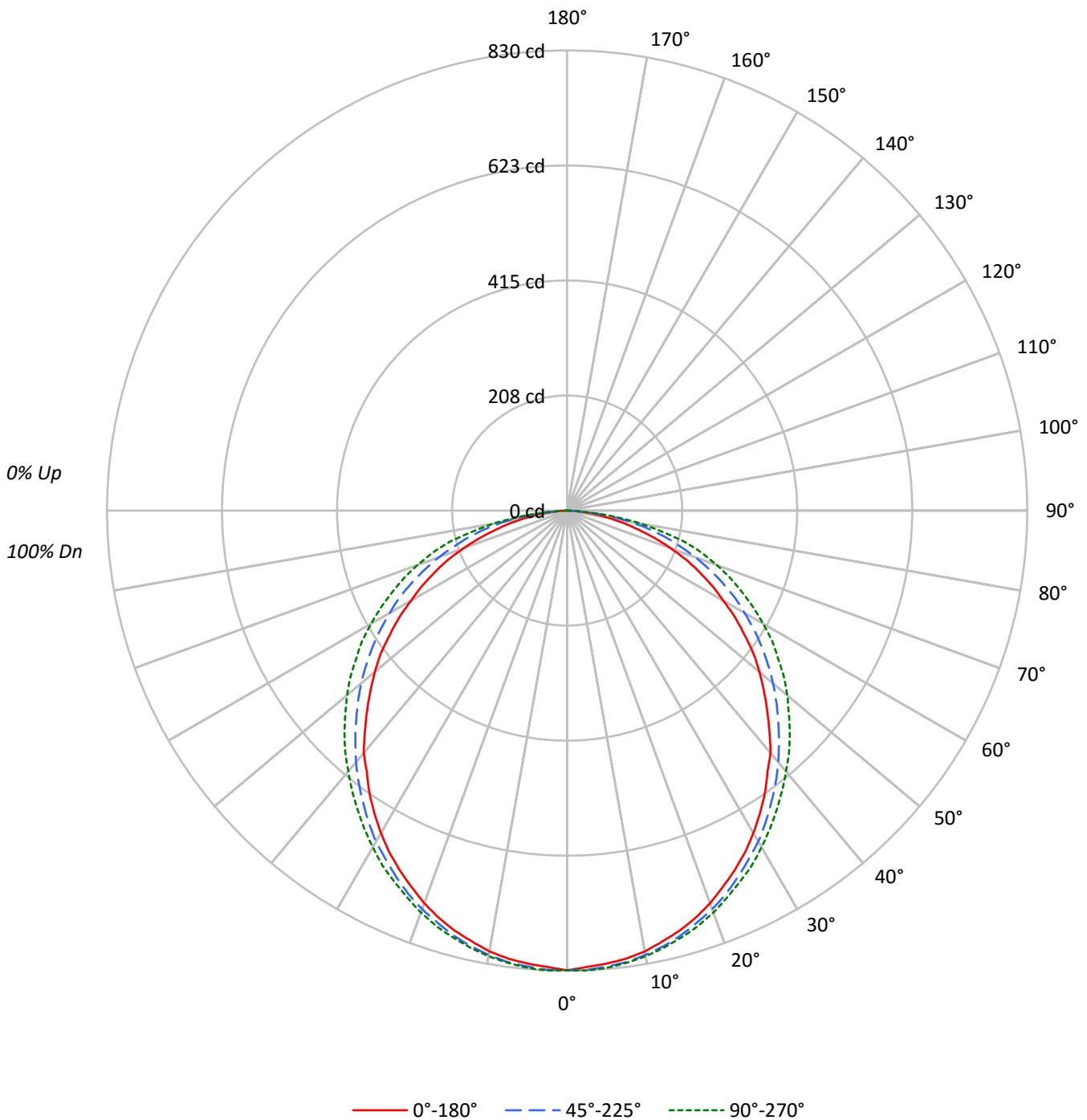
Lumens per Lamp: N/A  
Luminaire Lumens: 2376.4 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.1  
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	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°	2231	2231	2231
5°	2215	2229	2236
10°	2206	2223	2230
15°	2185	2210	2220
20°	2158	2191	2209
25°	2124	2165	2192
30°	2087	2143	2179
35°	2043	2110	2165
40°	2004	2081	2157
45°	1943	2050	2162
50°	1896	2030	2169
55°	1831	2011	2179
60°	1749	1990	2196
65°	1678	1971	2216
70°	1560	1932	2255
75°	1384	1889	2301
80°	1170	1765	2081
85°	831	1226	1186



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.4	3.3
10°-20°	223.4	9.4
20°-30°	335.6	14.1
30°-40°	401.5	16.9
40°-50°	416.3	17.5
50°-60°	382.9	16.1
60°-70°	303.9	12.8
70°-80°	187.7	7.9
80°-90°	46.6	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°	637.3	26.8
0°-40°	1038.8	43.7
0°-60°	1838.1	77.3
0°-90°	2376.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2376.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	829	829	829	829	829	
5°	820	823	825	828	828	78
15°	784	787	793	797	797	221
25°	715	720	729	737	738	329
35°	622	628	642	655	659	389
45°	510	519	539	560	568	394
55°	390	400	429	458	464	349
65°	264	275	310	339	348	261
75°	133	151	182	210	221	142
85°	27	34	40	40	38	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	829.0	829.0	829.0	829.0	829.0
2.5°	823.9	825.2	829.0	830.3	830.3
5°	820.1	822.6	825.2	827.7	827.7
7.5°	815.0	817.5	821.3	822.6	822.6
10°	807.3	809.8	813.7	816.2	816.2
12.5°	795.8	799.6	804.7	807.3	807.3
15°	784.2	786.8	793.2	797.0	797.0
17.5°	770.2	772.7	779.1	784.2	785.5
20°	753.5	756.1	765.1	770.2	771.5
22.5°	734.4	738.2	748.4	753.5	754.8
25°	715.2	720.3	729.2	736.9	738.2
27.5°	694.7	699.8	708.8	719.0	721.6
30°	671.7	676.8	689.6	698.5	701.1
32.5°	647.4	653.8	666.5	678.1	680.6
35°	621.8	628.2	642.2	655.0	658.9
37.5°	593.6	602.6	617.9	632.0	637.1
40°	570.6	575.7	592.3	609.0	614.1
42.5°	539.9	547.6	565.5	584.7	592.3
45°	510.5	519.4	538.6	560.4	568.0
47.5°	481.0	490.0	511.7	534.8	542.4
50°	452.9	460.6	484.9	510.5	518.1
52.5°	423.5	431.1	456.7	484.9	492.6
55°	390.2	400.4	428.6	458.0	464.4
57.5°	359.5	369.7	399.2	427.3	438.8
60°	325.0	337.8	369.7	397.9	408.1
62.5°	295.5	305.8	341.6	369.7	378.7
65°	263.5	275.1	309.6	339.0	348.0
67.5°	232.8	244.4	277.6	307.0	318.6
70°	198.3	211.1	245.6	275.1	286.6
72.5°	166.3	181.7	212.4	243.1	255.9
75°	133.1	151.0	181.7	209.8	221.3
77.5°	103.6	119.0	148.4	167.6	174.0
80°	75.5	90.8	113.9	126.7	134.3
82.5°	51.2	60.1	78.0	87.0	87.0
85°	26.9	34.5	39.7	39.7	38.4
87.5°	9.0	10.2	7.7	3.8	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)