

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: P302128

Luminaire Tested: **ZX-WO-24H830-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302128  
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-24H830-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

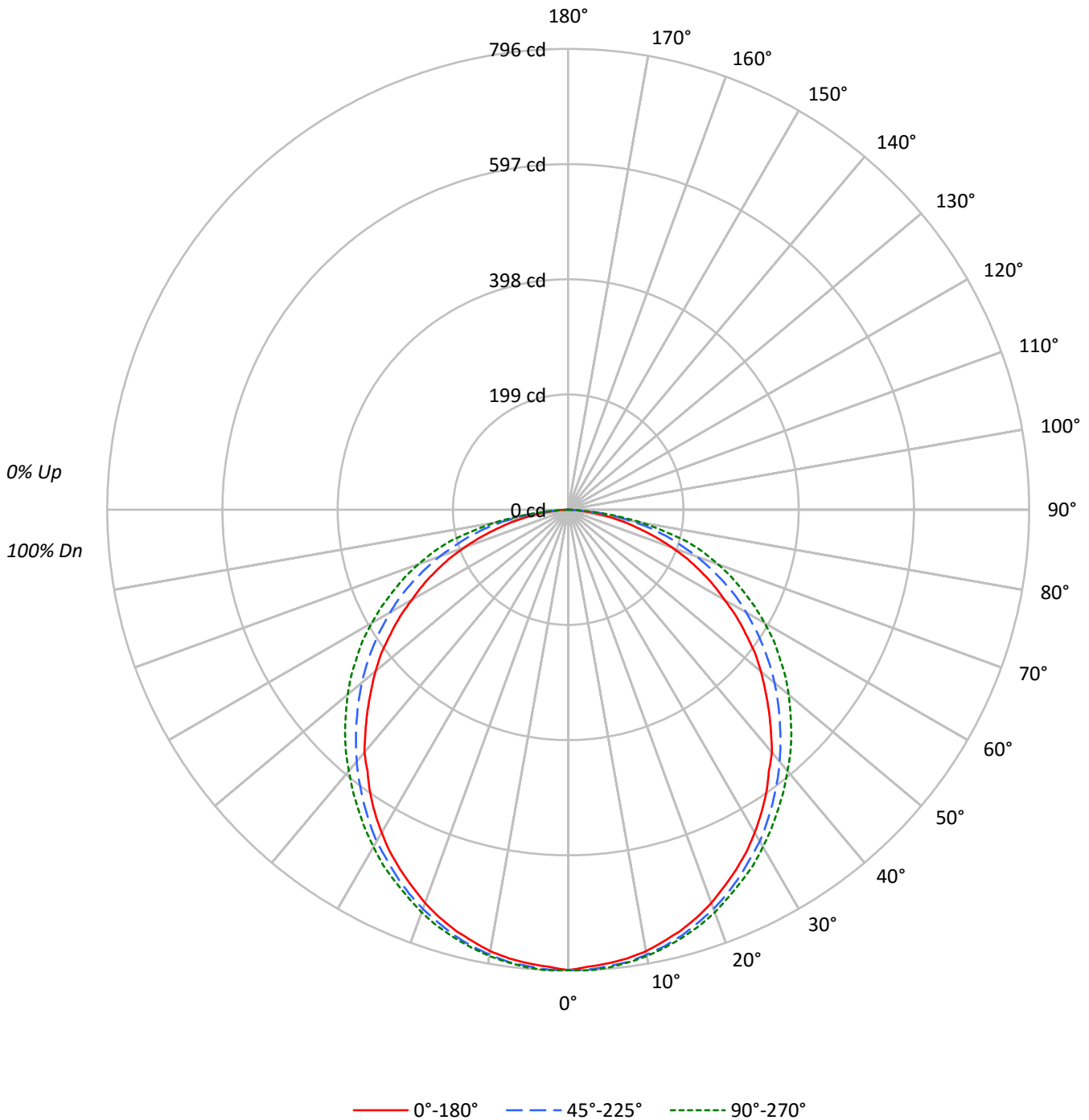
Lumens per Lamp: N/A  
Luminaire Lumens: 2279.5 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 17.7  
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°	2140	2140	2140
5°	2125	2138	2145
10°	2116	2133	2140
15°	2096	2120	2130
20°	2070	2102	2119
25°	2037	2077	2102
30°	2002	2055	2090
35°	1959	2024	2076
40°	1923	1996	2069
45°	1864	1966	2074
50°	1819	1947	2081
55°	1756	1929	2090
60°	1678	1909	2107
65°	1610	1891	2125
70°	1496	1854	2163
75°	1327	1812	2207
80°	1122	1692	1998
85°	797	1173	1136



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.2	3.3
10°-20°	214.3	9.4
20°-30°	321.9	14.1
30°-40°	385.1	16.9
40°-50°	399.4	17.5
50°-60°	367.3	16.1
60°-70°	291.5	12.8
70°-80°	180.1	7.9
80°-90°	44.7	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°	611.4	26.8
0°-40°	996.5	43.7
0°-60°	1763.2	77.3
0°-90°	2279.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2279.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	795	795	795	795	795	
5°	787	789	792	794	794	75
15°	752	755	761	765	765	212
25°	686	691	700	707	708	316
35°	596	603	616	628	632	373
45°	490	498	517	538	545	378
55°	374	384	411	439	446	335
65°	253	264	297	325	334	250
75°	128	145	174	201	212	136
85°	26	33	38	38	37	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	795.2	795.2	795.2	795.2	795.2
2.5°	790.3	791.6	795.2	796.5	796.5
5°	786.6	789.1	791.6	794.0	794.0
7.5°	781.7	784.2	787.9	789.1	789.1
10°	774.4	776.8	780.5	783.0	783.0
12.5°	763.3	767.0	771.9	774.4	774.4
15°	752.3	754.7	760.9	764.6	764.6
17.5°	738.8	741.2	747.4	752.3	753.5
20°	722.8	725.3	733.9	738.8	740.0
22.5°	704.4	708.1	717.9	722.8	724.1
25°	686.0	690.9	699.5	706.9	708.1
27.5°	666.4	671.3	679.9	689.7	692.1
30°	644.3	649.2	661.5	670.1	672.5
32.5°	621.0	627.1	639.4	650.4	652.9
35°	596.4	602.6	616.1	628.3	632.0
37.5°	569.4	578.0	592.7	606.2	611.2
40°	547.3	552.2	568.2	584.2	589.1
42.5°	517.9	525.2	542.4	560.8	568.2
45°	489.7	498.2	516.7	537.5	544.9
47.5°	461.4	470.0	490.9	513.0	520.3
50°	434.4	441.8	465.1	489.7	497.0
52.5°	406.2	413.6	438.1	465.1	472.5
55°	374.3	384.1	411.1	439.3	445.5
57.5°	344.8	354.7	382.9	409.9	420.9
60°	311.7	324.0	354.7	381.7	391.5
62.5°	283.5	293.3	327.7	354.7	363.3
65°	252.8	263.9	297.0	325.2	333.8
67.5°	223.4	234.4	266.3	294.5	305.6
70°	190.2	202.5	235.6	263.9	274.9
72.5°	159.5	174.3	203.7	233.2	245.4
75°	127.6	144.8	174.3	201.3	212.3
77.5°	99.4	114.1	142.4	160.8	166.9
80°	72.4	87.1	109.2	121.5	128.9
82.5°	49.1	57.7	74.9	83.5	83.5
85°	25.8	33.1	38.0	38.0	36.8
87.5°	8.6	9.8	7.4	3.7	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)