

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: P302122

Luminaire Tested: **RX-WO-24H940-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302122  
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-24H940-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

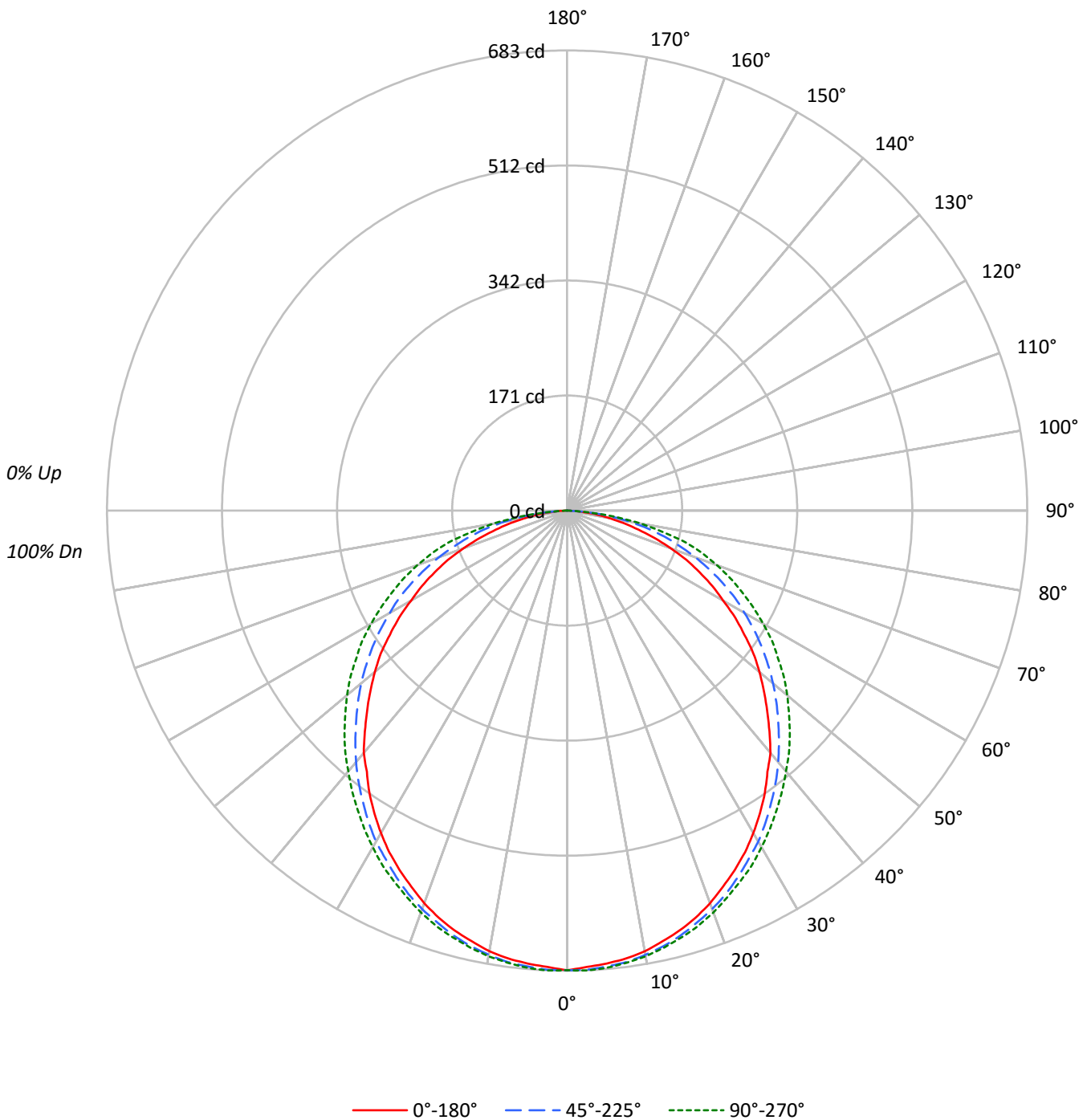
Lumens per Lamp: N/A  
Luminaire Lumens: 1955.4 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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	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°	1836	1836	1836
5°	1823	1834	1840
10°	1815	1829	1835
15°	1798	1818	1827
20°	1776	1803	1818
25°	1747	1782	1803
30°	1717	1763	1793
35°	1681	1736	1781
40°	1649	1712	1775
45°	1598	1687	1779
50°	1560	1670	1785
55°	1506	1655	1793
60°	1439	1637	1807
65°	1381	1622	1823
70°	1284	1590	1855
75°	1138	1554	1893
80°	962	1452	1712
85°	682	1007	976



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.5	3.3
10°-20°	183.8	9.4
20°-30°	276.2	14.1
30°-40°	330.4	16.9
40°-50°	342.6	17.5
50°-60°	315.1	16.1
60°-70°	250.1	12.8
70°-80°	154.5	7.9
80°-90°	38.4	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°	524.4	26.8
0°-40°	854.8	43.7
0°-60°	1512.5	77.3
0°-90°	1955.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1955.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	675	677	679	681	681	64
15°	645	647	653	656	656	182
25°	588	593	600	606	607	271
35°	512	517	528	539	542	320
45°	420	427	443	461	467	324
55°	321	330	353	377	382	287
65°	217	226	255	279	286	214
75°	110	124	150	173	182	117
85°	22	28	33	33	32	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	682.2	682.2	682.2	682.2	682.2
2.5°	678.0	679.0	682.2	683.2	683.2
5°	674.8	676.9	679.0	681.1	681.1
7.5°	670.6	672.7	675.9	676.9	676.9
10°	664.3	666.4	669.5	671.7	671.7
12.5°	654.8	658.0	662.2	664.3	664.3
15°	645.3	647.4	652.7	655.9	655.9
17.5°	633.8	635.9	641.1	645.3	646.4
20°	620.1	622.2	629.5	633.8	634.8
22.5°	604.3	607.4	615.9	620.1	621.1
25°	588.5	592.7	600.1	606.4	607.4
27.5°	571.6	575.9	583.2	591.6	593.7
30°	552.7	556.9	567.4	574.8	576.9
32.5°	532.7	538.0	548.5	558.0	560.1
35°	511.6	516.9	528.5	539.0	542.2
37.5°	488.5	495.8	508.5	520.1	524.3
40°	469.5	473.7	487.4	501.1	505.3
42.5°	444.3	450.6	465.3	481.1	487.4
45°	420.0	427.4	443.2	461.1	467.4
47.5°	395.8	403.2	421.1	440.0	446.4
50°	372.7	379.0	399.0	420.0	426.4
52.5°	348.5	354.8	375.8	399.0	405.3
55°	321.1	329.5	352.7	376.9	382.1
57.5°	295.8	304.2	328.5	351.6	361.1
60°	267.4	277.9	304.2	327.4	335.8
62.5°	243.2	251.6	281.1	304.2	311.6
65°	216.9	226.3	254.8	279.0	286.3
67.5°	191.6	201.1	228.4	252.7	262.1
70°	163.2	173.7	202.1	226.3	235.8
72.5°	136.9	149.5	174.8	200.0	210.5
75°	109.5	124.2	149.5	172.7	182.1
77.5°	85.3	97.9	122.1	137.9	143.2
80°	62.1	74.7	93.7	104.2	110.5
82.5°	42.1	49.5	64.2	71.6	71.6
85°	22.1	28.4	32.6	32.6	31.6
87.5°	7.4	8.4	6.3	3.2	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)