

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: P302124

Luminaire Tested: **RX-WO-34H940-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302124  
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-34H940-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**

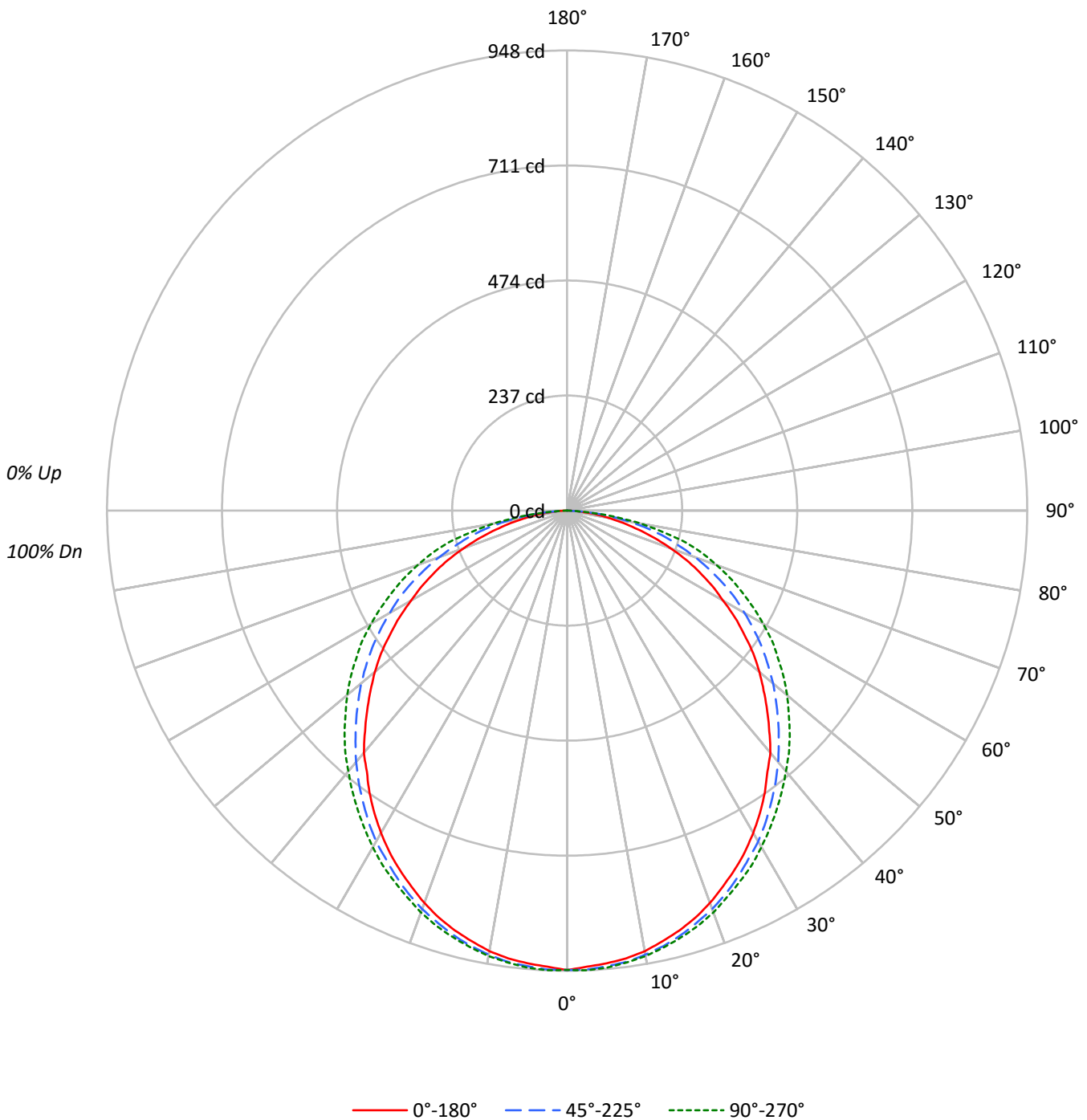
Lumens per Lamp: N/A  
Luminaire Lumens: 2713.0 lumens  
Efficiency: N/A  
Efficacy: 110.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.5  
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°	2547	2547	2547
5°	2529	2545	2553
10°	2518	2538	2546
15°	2494	2523	2535
20°	2464	2501	2522
25°	2424	2472	2502
30°	2383	2446	2487
35°	2332	2409	2471
40°	2288	2375	2463
45°	2218	2340	2468
50°	2164	2318	2476
55°	2090	2296	2487
60°	1997	2272	2507
65°	1916	2251	2530
70°	1781	2206	2574
75°	1579	2156	2627
80°	1336	2015	2377
85°	948	1399	1352



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.5	3.3
10°-20°	255.0	9.4
20°-30°	383.1	14.1
30°-40°	458.4	16.9
40°-50°	475.3	17.5
50°-60°	437.2	16.1
60°-70°	347.0	12.8
70°-80°	214.3	7.9
80°-90°	53.3	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°	727.6	26.8
0°-40°	1186.0	43.7
0°-60°	2098.5	77.3
0°-90°	2713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2713.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	946	946	946	946	946	
5°	936	939	942	945	945	89
15°	895	898	906	910	910	252
25°	816	822	832	841	843	376
35°	710	717	733	748	752	444
45°	583	593	615	640	648	450
55°	446	457	489	523	530	399
65°	301	314	354	387	397	298
75°	152	172	207	240	253	162
85°	31	39	45	45	44	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	946.4	946.4	946.4	946.4	946.4
2.5°	940.6	942.1	946.4	947.9	947.9
5°	936.2	939.1	942.1	945.0	945.0
7.5°	930.4	933.3	937.7	939.1	939.1
10°	921.6	924.5	928.9	931.8	931.8
12.5°	908.5	912.9	918.7	921.6	921.6
15°	895.3	898.2	905.5	909.9	909.9
17.5°	879.3	882.2	889.5	895.3	896.8
20°	860.3	863.2	873.4	879.3	880.7
22.5°	838.4	842.7	854.4	860.3	861.7
25°	816.5	822.3	832.5	841.3	842.7
27.5°	793.1	798.9	809.2	820.8	823.8
30°	766.8	772.6	787.2	797.5	800.4
32.5°	739.0	746.3	761.0	774.1	777.0
35°	709.8	717.1	733.2	747.8	752.2
37.5°	677.7	687.9	705.5	721.5	727.4
40°	651.4	657.3	676.2	695.2	701.1
42.5°	616.4	625.1	645.6	667.5	676.2
45°	582.8	593.0	614.9	639.7	648.5
47.5°	549.2	559.4	584.2	610.5	619.3
50°	517.0	525.8	553.6	582.8	591.5
52.5°	483.4	492.2	521.4	553.6	562.3
55°	445.5	457.2	489.3	522.9	530.2
57.5°	410.4	422.1	455.7	487.8	501.0
60°	371.0	385.6	422.1	454.2	465.9
62.5°	337.4	349.1	390.0	422.1	432.3
65°	300.9	314.0	353.5	387.0	397.3
67.5°	265.8	279.0	316.9	350.5	363.7
70°	226.4	241.0	280.4	314.0	327.2
72.5°	189.9	207.4	242.5	277.5	292.1
75°	151.9	172.3	207.4	239.5	252.7
77.5°	118.3	135.8	169.4	191.3	198.6
80°	86.2	103.7	130.0	144.6	153.4
82.5°	58.4	68.6	89.1	99.3	99.3
85°	30.7	39.4	45.3	45.3	43.8
87.5°	10.2	11.7	8.8	4.4	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)