

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: P302261

Luminaire Tested: **RX-WO-75H840-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302261  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-75H840-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

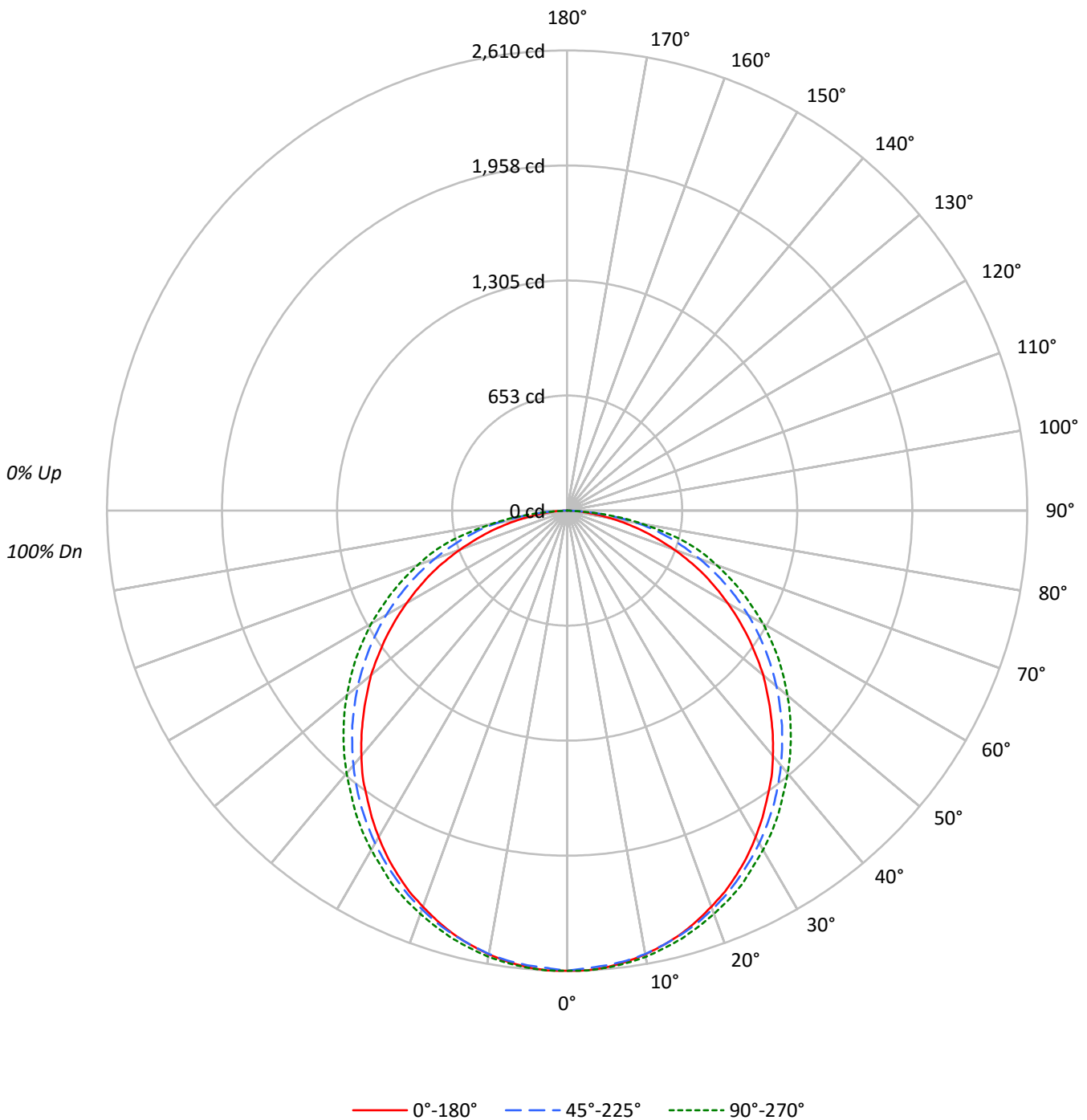
Lumens per Lamp: N/A  
Luminaire Lumens: 7598.6 lumens  
Efficiency: N/A  
Efficacy: 144.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 52.6  
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	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	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	67	55	46	40	53	45	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3512	3512	3512
5°	3511	3497	3515
10°	3493	3489	3511
15°	3466	3470	3500
20°	3423	3446	3485
25°	3380	3416	3477
30°	3322	3386	3453
35°	3254	3352	3437
40°	3189	3313	3417
45°	3108	3279	3413
50°	3039	3243	3414
55°	2941	3215	3431
60°	2833	3191	3454
65°	2721	3162	3482
70°	2541	3139	3544
75°	2313	3146	3654
80°	1913	3112	3364
85°	1467	2472	2388



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.8	3.2
10°-20°	704.8	9.3
20°-30°	1063.2	14.0
30°-40°	1276.4	16.8
40°-50°	1327.5	17.5
50°-60°	1220.9	16.1
60°-70°	973.0	12.8
70°-80°	616.5	8.1
80°-90°	169.6	2.2
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°	2014.8	26.5
0°-40°	3291.2	43.3
0°-60°	5839.5	76.8
0°-90°	7598.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7598.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2610	2610	2610	2610	2610	
5°	2600	2600	2589	2602	2602	247
15°	2488	2488	2491	2510	2513	701
25°	2277	2288	2301	2334	2342	1049
35°	1981	2003	2041	2079	2092	1241
45°	1634	1669	1723	1777	1794	1261
55°	1254	1294	1370	1438	1463	1120
65°	855	898	993	1069	1094	843
75°	445	502	605	681	703	468
85°	95	136	160	157	155	113
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2610.5	2610.5	2610.5	2610.5	2610.5
2.5°	2610.5	2610.5	2597.0	2610.5	2610.5
5°	2599.7	2599.7	2588.8	2602.4	2602.4
7.5°	2580.7	2583.4	2575.2	2588.8	2588.8
10°	2556.3	2559.0	2553.5	2569.8	2569.8
12.5°	2523.7	2526.4	2523.7	2542.7	2542.7
15°	2488.4	2488.4	2491.1	2510.1	2512.8
17.5°	2442.3	2447.7	2453.1	2474.8	2474.8
20°	2390.7	2398.9	2407.0	2434.1	2434.1
22.5°	2339.2	2347.3	2358.2	2385.3	2390.7
25°	2276.7	2287.6	2301.2	2333.7	2341.9
27.5°	2211.6	2219.8	2241.5	2276.7	2279.5
30°	2138.4	2151.9	2179.1	2214.3	2222.5
32.5°	2062.4	2081.4	2111.2	2151.9	2160.1
35°	1981.0	2002.7	2040.7	2078.7	2092.2
37.5°	1905.0	1921.3	1964.7	2008.1	2016.2
40°	1815.4	1839.9	1886.0	1934.8	1945.7
42.5°	1725.9	1753.0	1804.6	1853.4	1872.4
45°	1633.6	1668.9	1723.2	1777.4	1793.7
47.5°	1541.4	1579.3	1636.3	1696.0	1715.0
50°	1451.8	1487.1	1549.5	1611.9	1630.9
52.5°	1351.4	1392.1	1459.9	1527.8	1546.8
55°	1253.7	1294.4	1370.4	1438.2	1462.7
57.5°	1153.3	1199.4	1278.1	1348.7	1370.4
60°	1052.9	1101.7	1185.9	1256.4	1283.6
62.5°	952.5	998.6	1090.9	1161.4	1185.9
65°	854.8	898.2	993.2	1069.2	1093.6
67.5°	749.0	797.8	895.5	974.2	995.9
70°	645.8	694.7	797.8	879.2	900.9
72.5°	540.0	597.0	700.1	778.8	808.7
75°	445.0	502.0	605.1	681.1	702.8
77.5°	344.6	401.6	507.5	561.7	564.4
80°	246.9	312.1	401.6	423.3	434.2
82.5°	162.8	225.2	276.8	303.9	303.9
85°	95.0	135.7	160.1	157.4	154.7
87.5°	35.3	46.1	38.0	27.1	19.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)