

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: P302252

Luminaire Tested: **RX-WO-30H840-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302252  
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-30H840-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

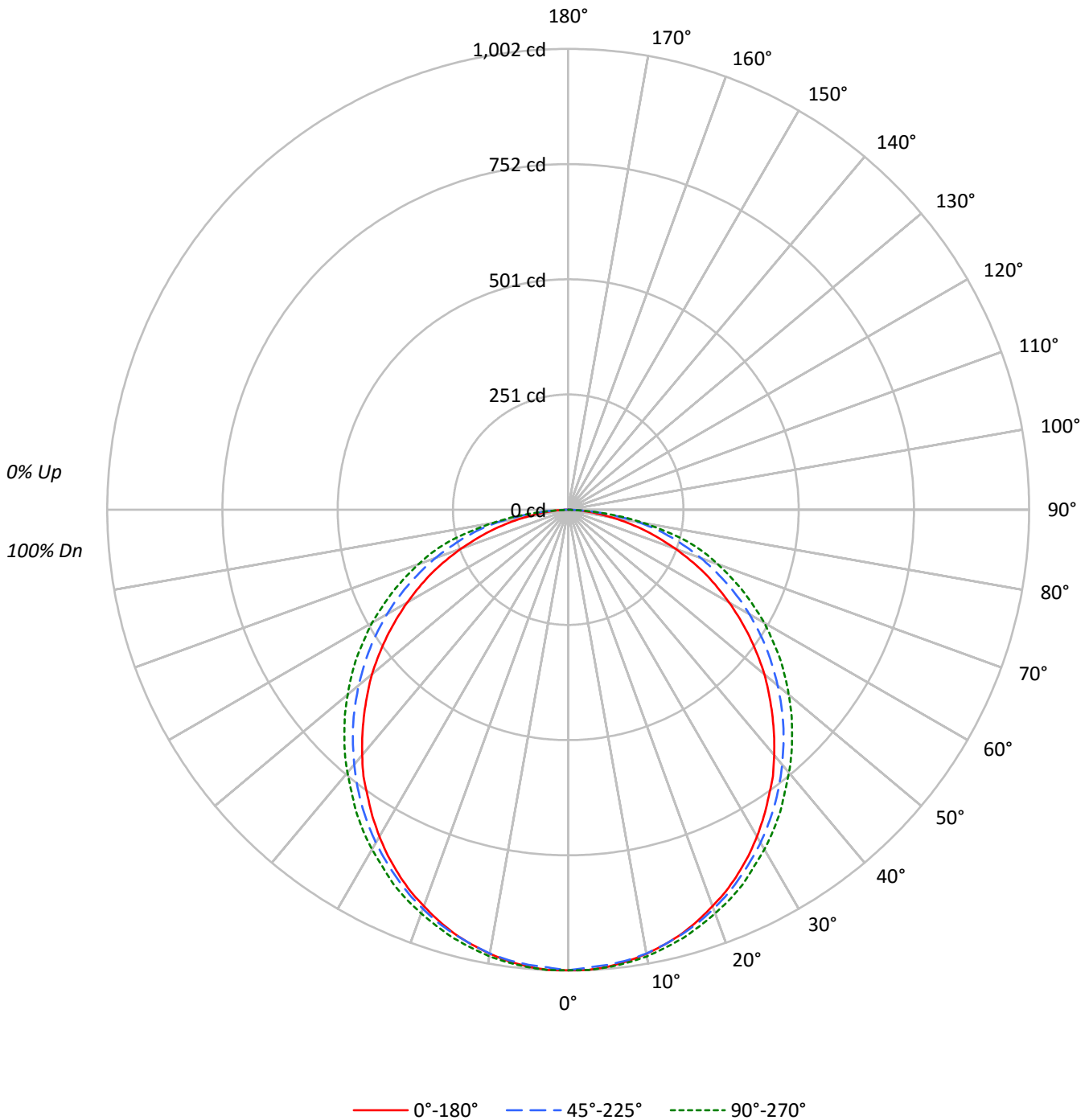
Lumens per Lamp: N/A  
Luminaire Lumens: 2915.5 lumens  
Efficiency: N/A  
Efficacy: 135.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.6  
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°	1348	1348	1348
5°	1347	1342	1349
10°	1340	1339	1347
15°	1330	1331	1343
20°	1313	1322	1337
25°	1297	1311	1334
30°	1275	1299	1325
35°	1248	1286	1319
40°	1224	1271	1311
45°	1193	1258	1310
50°	1166	1244	1310
55°	1128	1233	1316
60°	1087	1224	1325
65°	1044	1213	1336
70°	975	1204	1360
75°	888	1207	1402
80°	735	1194	1291
85°	562	948	915



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.7	3.2
10°-20°	270.4	9.3
20°-30°	407.9	14.0
30°-40°	489.8	16.8
40°-50°	509.3	17.5
50°-60°	468.4	16.1
60°-70°	373.3	12.8
70°-80°	236.6	8.1
80°-90°	65.1	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°	773.1	26.5
0°-40°	1262.8	43.3
0°-60°	2240.6	76.8
0°-90°	2915.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2915.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	998	998	993	998	998	95
15°	955	955	956	963	964	269
25°	874	878	883	895	899	402
35°	760	768	783	798	803	476
45°	627	640	661	682	688	484
55°	481	497	526	552	561	430
65°	328	345	381	410	420	323
75°	171	193	232	261	270	180
85°	36	52	61	60	59	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1001.6	1001.6	1001.6	1001.6	1001.6
2.5°	1001.6	1001.6	996.4	1001.6	1001.6
5°	997.5	997.5	993.3	998.5	998.5
7.5°	990.2	991.2	988.1	993.3	993.3
10°	980.8	981.9	979.8	986.0	986.0
12.5°	968.3	969.4	968.3	975.6	975.6
15°	954.8	954.8	955.8	963.1	964.2
17.5°	937.1	939.2	941.3	949.6	949.6
20°	917.3	920.4	923.6	934.0	934.0
22.5°	897.5	900.6	904.8	915.2	917.3
25°	873.6	877.7	882.9	895.4	898.6
27.5°	848.6	851.7	860.0	873.6	874.6
30°	820.5	825.7	836.1	849.6	852.8
32.5°	791.3	798.6	810.1	825.7	828.8
35°	760.1	768.4	783.0	797.6	802.8
37.5°	730.9	737.2	753.8	770.5	773.6
40°	696.6	705.9	723.6	742.4	746.5
42.5°	662.2	672.6	692.4	711.1	718.4
45°	626.8	640.3	661.2	682.0	688.2
47.5°	591.4	606.0	627.8	650.8	658.0
50°	557.0	570.6	594.5	618.5	625.8
52.5°	518.5	534.1	560.2	586.2	593.5
55°	481.0	496.7	525.8	551.8	561.2
57.5°	442.5	460.2	490.4	517.5	525.8
60°	404.0	422.7	455.0	482.1	492.5
62.5°	365.5	383.2	418.6	445.6	455.0
65°	328.0	344.6	381.1	410.2	419.6
67.5°	287.4	306.1	343.6	373.8	382.1
70°	247.8	266.5	306.1	337.4	345.7
72.5°	207.2	229.1	268.6	298.8	310.3
75°	170.8	192.6	232.2	261.3	269.7
77.5°	132.2	154.1	194.7	215.5	216.6
80°	94.8	119.7	154.1	162.4	166.6
82.5°	62.5	86.4	106.2	116.6	116.6
85°	36.4	52.1	61.4	60.4	59.3
87.5°	13.5	17.7	14.6	10.4	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)