

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: P302352

Luminaire Tested: **RX-WO-35L830-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302352  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-35L830-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

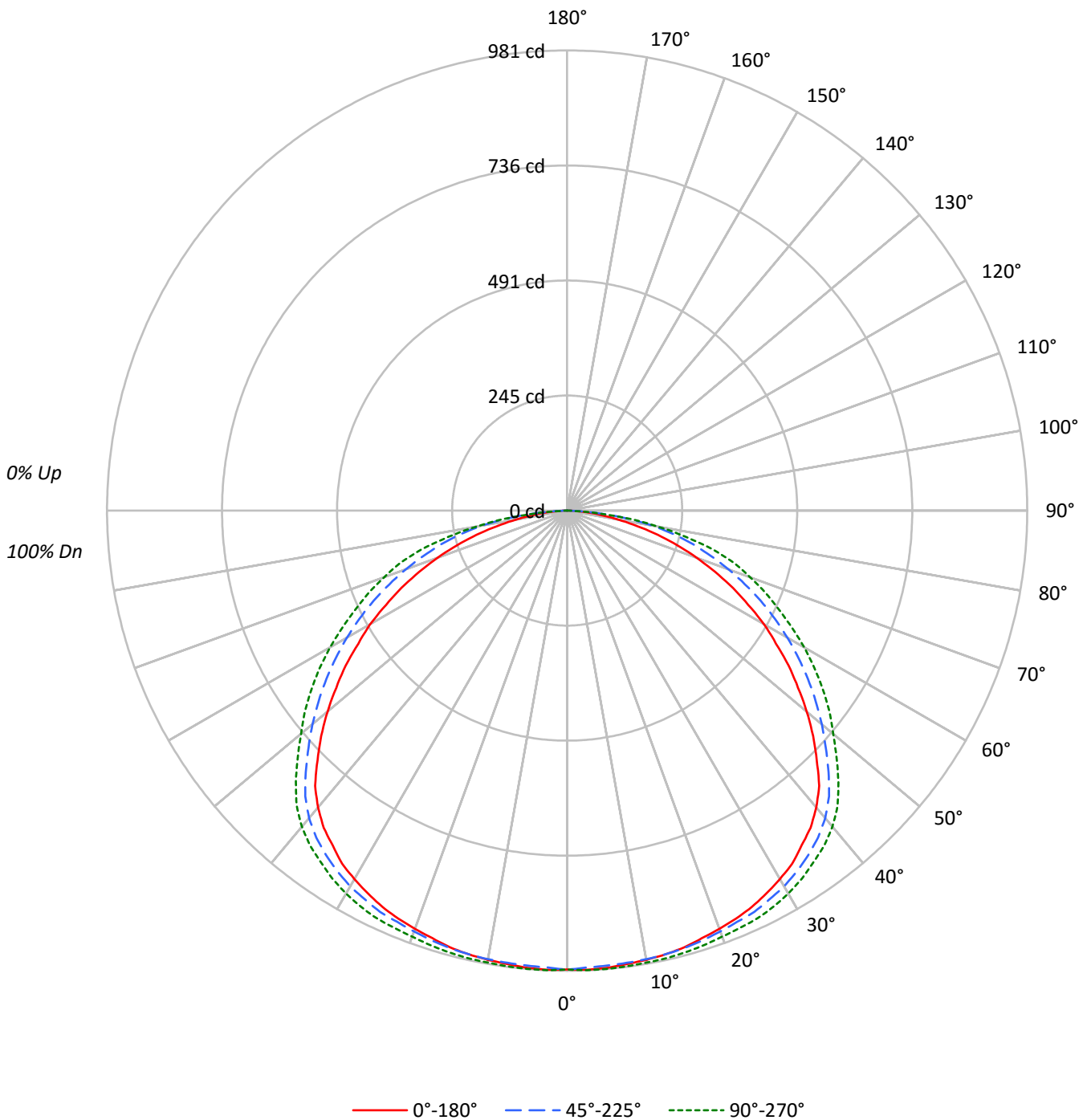
Lumens per Lamp: N/A  
Luminaire Lumens: 3332.0 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.9  
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	98	94	105	101	97	93	96	93	90	92	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

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

	0°	45°	90°
0°	1317	1317	1317
5°	1322	1315	1325
10°	1329	1327	1337
15°	1343	1345	1358
20°	1358	1367	1384
25°	1384	1401	1424
30°	1409	1437	1465
35°	1431	1472	1504
40°	1451	1503	1545
45°	1432	1500	1556
50°	1396	1483	1550
55°	1353	1470	1562
60°	1305	1459	1571
65°	1242	1450	1582
70°	1155	1441	1632
75°	1038	1446	1675
80°	857	1428	1530
85°	624	1065	991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.2	2.8
10°-20°	274.0	8.2
20°-30°	436.4	13.1
30°-40°	561.0	16.8
40°-50°	606.6	18.2
50°-60°	558.0	16.7
60°-70°	444.9	13.4
70°-80°	282.6	8.5
80°-90°	75.3	2.3
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°	803.6	24.1
0°-40°	1364.6	41.0
0°-60°	2529.2	75.9
0°-90°	3332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3332.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	978	978	974	980	981	93
15°	964	965	965	974	975	272
25°	932	936	944	955	959	430
35°	872	881	896	913	916	546
45°	753	766	788	810	818	580
55°	577	593	627	655	666	515
65°	390	410	455	489	497	385
75°	200	228	278	315	322	211
85°	40	63	69	69	64	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	978.5	978.5	978.5	978.5	978.5
2.5°	979.7	979.7	974.9	980.8	980.8
5°	978.5	978.5	973.7	979.7	980.8
7.5°	974.9	976.1	972.5	978.5	979.7
10°	972.5	973.7	971.3	977.3	978.5
12.5°	969.0	970.1	969.0	976.1	977.3
15°	964.2	965.4	965.4	973.7	974.9
17.5°	955.9	958.3	960.6	970.1	971.3
20°	948.7	951.1	954.7	965.4	966.6
22.5°	941.6	944.0	948.7	961.8	963.0
25°	932.1	935.7	944.0	954.7	959.4
27.5°	920.2	927.3	934.5	947.6	952.3
30°	907.1	914.3	925.0	939.2	942.8
32.5°	892.9	900.0	911.9	927.3	930.9
35°	871.5	881.0	896.4	913.1	915.5
37.5°	852.4	862.0	878.6	896.4	900.0
40°	826.3	838.2	856.0	872.7	879.8
42.5°	795.4	807.3	826.3	846.5	853.6
45°	752.6	765.7	788.2	809.6	818.0
47.5°	711.0	722.9	747.8	772.8	778.7
50°	667.0	681.2	708.6	734.7	740.7
52.5°	620.6	638.4	668.2	695.5	705.0
55°	576.6	593.3	626.6	655.1	665.8
57.5°	527.9	548.1	584.9	615.9	625.4
60°	485.1	502.9	542.1	574.2	583.8
62.5°	435.1	456.5	499.3	531.4	539.8
65°	390.0	410.2	455.4	488.6	497.0
67.5°	341.2	365.0	410.2	444.7	457.7
70°	293.7	318.6	366.2	401.8	414.9
72.5°	246.1	273.4	321.0	357.9	374.5
75°	199.7	228.3	278.2	315.1	322.2
77.5°	153.4	185.5	233.0	259.2	259.2
80°	110.6	142.7	184.3	191.4	197.4
82.5°	73.7	103.4	126.0	133.2	134.3
85°	40.4	63.0	69.0	69.0	64.2
87.5°	15.5	20.2	14.3	7.1	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)