

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: P302344

Luminaire Tested: **ZX-WO-40H940-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302344  
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: ZX-WO-40H940-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

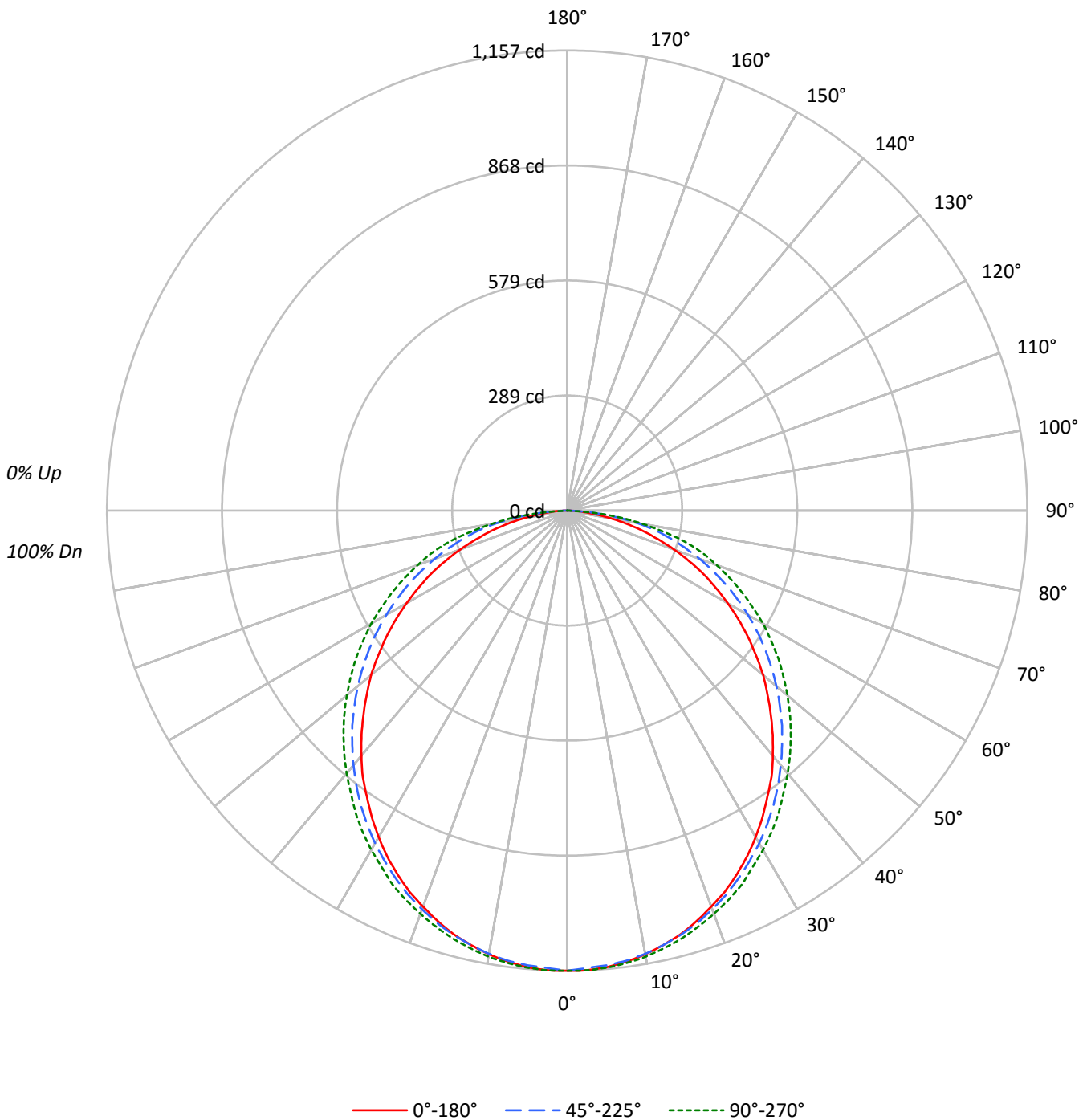
Lumens per Lamp: N/A  
Luminaire Lumens: 3368.0 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.2  
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°	1557	1557	1557
5°	1556	1550	1558
10°	1548	1546	1556
15°	1536	1538	1551
20°	1517	1528	1545
25°	1498	1514	1541
30°	1473	1501	1530
35°	1442	1486	1523
40°	1413	1468	1515
45°	1378	1453	1513
50°	1347	1438	1513
55°	1304	1425	1521
60°	1256	1414	1531
65°	1206	1401	1543
70°	1126	1391	1571
75°	1026	1394	1619
80°	848	1379	1491
85°	650	1096	1059



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.4	3.2
10°-20°	312.4	9.3
20°-30°	471.2	14.0
30°-40°	565.8	16.8
40°-50°	588.4	17.5
50°-60°	541.1	16.1
60°-70°	431.3	12.8
70°-80°	273.3	8.1
80°-90°	75.2	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°	893.0	26.5
0°-40°	1458.8	43.3
0°-60°	2588.3	76.8
0°-90°	3368.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3368.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1157	1157	1157	1157	1157	
5°	1152	1152	1148	1154	1154	109
15°	1103	1103	1104	1113	1114	311
25°	1009	1014	1020	1034	1038	465
35°	878	888	904	921	927	550
45°	724	740	764	788	795	559
55°	556	574	607	638	648	497
65°	379	398	440	474	485	373
75°	197	222	268	302	312	208
85°	42	60	71	70	69	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1157.1	1157.1	1157.1	1157.1	1157.1
2.5°	1157.1	1157.1	1151.1	1157.1	1157.1
5°	1152.3	1152.3	1147.5	1153.5	1153.5
7.5°	1143.8	1145.0	1141.4	1147.5	1147.5
10°	1133.0	1134.2	1131.8	1139.0	1139.0
12.5°	1118.6	1119.8	1118.6	1127.0	1127.0
15°	1103.0	1103.0	1104.2	1112.6	1113.8
17.5°	1082.5	1084.9	1087.3	1096.9	1096.9
20°	1059.7	1063.3	1066.9	1078.9	1078.9
22.5°	1036.8	1040.4	1045.2	1057.2	1059.7
25°	1009.1	1013.9	1020.0	1034.4	1038.0
27.5°	980.3	983.9	993.5	1009.1	1010.3
30°	947.8	953.8	965.8	981.5	985.1
32.5°	914.1	922.5	935.8	953.8	957.4
35°	878.0	887.7	904.5	921.3	927.3
37.5°	844.4	851.6	870.8	890.1	893.7
40°	804.7	815.5	835.9	857.6	862.4
42.5°	765.0	777.0	799.8	821.5	829.9
45°	724.1	739.7	763.8	787.8	795.0
47.5°	683.2	700.0	725.3	751.7	760.2
50°	643.5	659.1	686.8	714.5	722.9
52.5°	599.0	617.0	647.1	677.2	685.6
55°	555.7	573.7	607.4	637.5	648.3
57.5°	511.2	531.6	566.5	597.8	607.4
60°	466.7	488.3	525.6	556.9	568.9
62.5°	422.2	442.6	483.5	514.8	525.6
65°	378.9	398.1	440.2	473.9	484.7
67.5°	332.0	353.6	396.9	431.8	441.4
70°	286.3	307.9	353.6	389.7	399.3
72.5°	239.4	264.6	310.3	345.2	358.4
75°	197.3	222.5	268.2	301.9	311.5
77.5°	152.8	178.0	224.9	249.0	250.2
80°	109.5	138.3	178.0	187.6	192.4
82.5°	72.2	99.8	122.7	134.7	134.7
85°	42.1	60.1	71.0	69.8	68.6
87.5°	15.6	20.4	16.8	12.0	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)