

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: P302232

Luminaire Tested: **ZX-WO-44L940-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302232  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-44L940-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (196)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3757.9 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

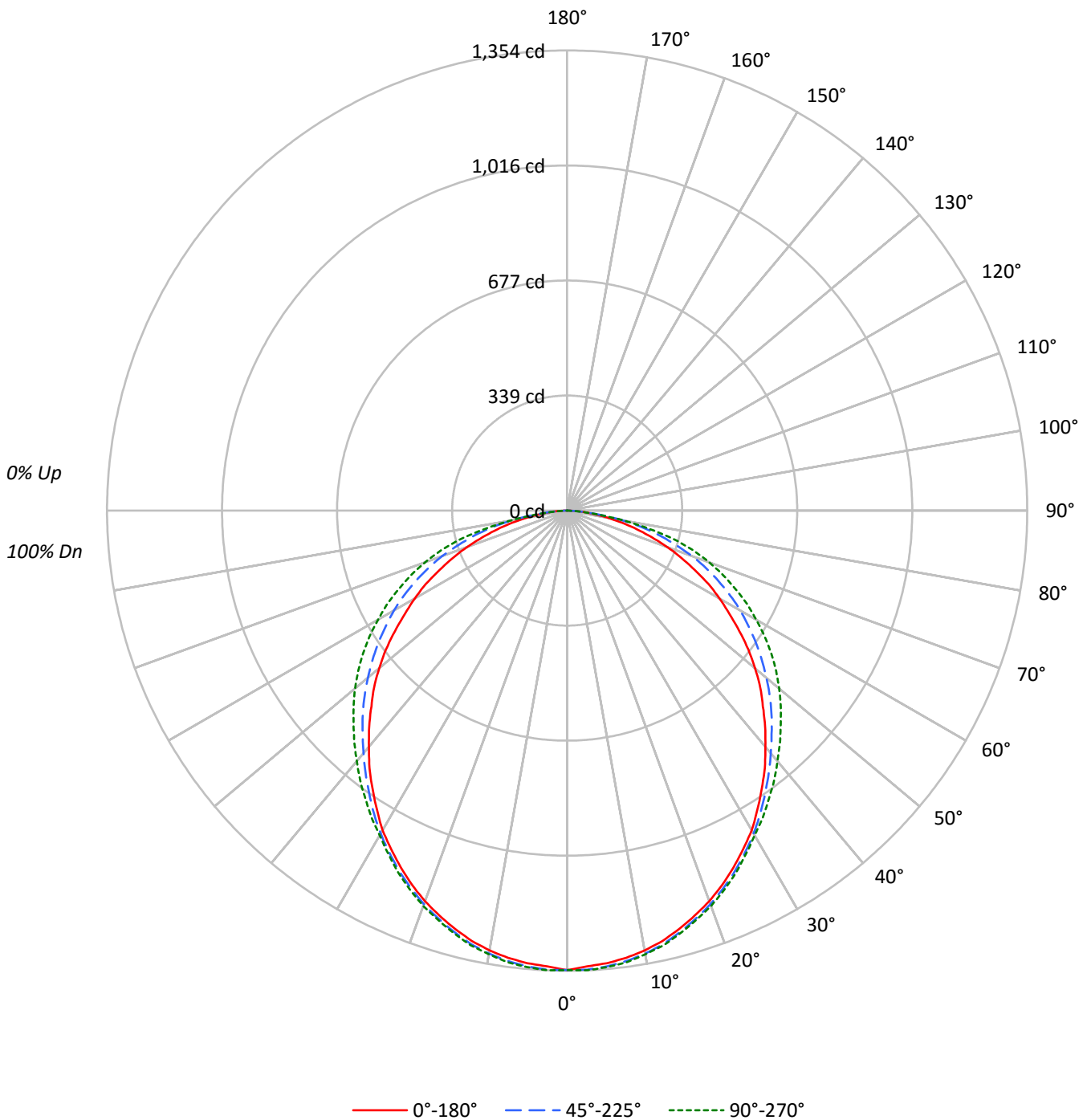
Input Watts (W): 35  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

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

	0°	45°	90°
0°	3638	3638	3638
5°	3611	3637	3642
10°	3591	3617	3622
15°	3550	3576	3587
20°	3502	3529	3546
25°	3439	3473	3490
30°	3375	3411	3428
35°	3281	3337	3400
40°	3189	3275	3382
45°	3100	3237	3382
50°	3021	3204	3410
55°	2905	3180	3439
60°	2790	3168	3454
65°	2636	3131	3482
70°	2465	3078	3496
75°	2211	2922	3376
80°	1853	2560	2590
85°	1467	1467	1173



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.6	3.4
10°-20°	361.6	9.6
20°-30°	538.1	14.3
30°-40°	636.5	16.9
40°-50°	657.7	17.5
50°-60°	604.7	16.1
60°-70°	480.9	12.8
70°-80°	288.0	7.7
80°-90°	62.8	1.7
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°	1027.3	27.3
0°-40°	1663.8	44.3
0°-60°	2926.2	77.9
0°-90°	3757.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3757.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1352	1352	1352	1352	1352	
5°	1337	1341	1346	1348	1348	127
15°	1274	1278	1284	1288	1288	359
25°	1158	1162	1170	1175	1175	534
35°	999	1004	1016	1029	1035	625
45°	815	822	851	881	889	630
55°	619	632	678	720	733	554
65°	414	439	492	536	547	411
75°	213	241	281	313	325	225
85°	48	51	48	44	38	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1352.0	1352.0	1352.0	1352.0	1352.0
2.5°	1342.5	1346.3	1352.0	1353.9	1353.9
5°	1336.8	1340.6	1346.3	1348.2	1348.2
7.5°	1327.4	1331.2	1336.8	1338.7	1340.6
10°	1314.1	1317.9	1323.6	1325.5	1325.5
12.5°	1297.0	1298.9	1306.5	1308.4	1310.3
15°	1274.2	1278.0	1283.7	1287.5	1287.5
17.5°	1249.5	1253.3	1259.0	1262.8	1262.8
20°	1222.9	1226.7	1232.4	1236.2	1238.1
22.5°	1192.5	1196.3	1202.0	1207.7	1207.7
25°	1158.3	1162.1	1169.7	1175.4	1175.4
27.5°	1122.3	1126.1	1133.7	1139.4	1139.4
30°	1086.2	1088.1	1097.6	1101.4	1103.3
32.5°	1042.5	1048.2	1057.7	1065.3	1071.0
35°	998.8	1004.5	1015.9	1029.2	1034.9
37.5°	955.2	960.9	974.2	993.1	1000.7
40°	907.7	915.3	932.4	957.1	962.8
42.5°	862.1	871.6	890.6	919.1	926.7
45°	814.6	822.2	850.7	881.1	888.7
47.5°	771.0	776.7	808.9	843.1	852.6
50°	721.6	729.2	765.3	803.2	814.6
52.5°	672.2	681.7	721.6	761.5	774.8
55°	619.1	632.3	677.9	719.7	733.0
57.5°	565.9	584.9	632.3	674.1	689.3
60°	518.4	535.5	588.7	628.5	641.8
62.5°	469.0	488.0	541.2	581.1	598.2
65°	414.0	438.7	491.8	535.5	546.9
67.5°	364.6	389.3	442.5	482.3	497.5
70°	313.3	341.8	391.2	427.3	444.4
72.5°	260.2	290.5	334.2	372.2	389.3
75°	212.7	241.2	281.0	313.3	324.7
77.5°	165.2	191.8	224.1	243.1	246.9
80°	119.6	140.5	165.2	169.0	167.1
82.5°	79.8	94.9	102.5	98.7	98.7
85°	47.5	51.3	47.5	43.7	38.0
87.5°	17.1	15.2	11.4	7.6	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)