

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: P302120

Luminaire Tested: **RX-WO-44H935-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-44H935-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

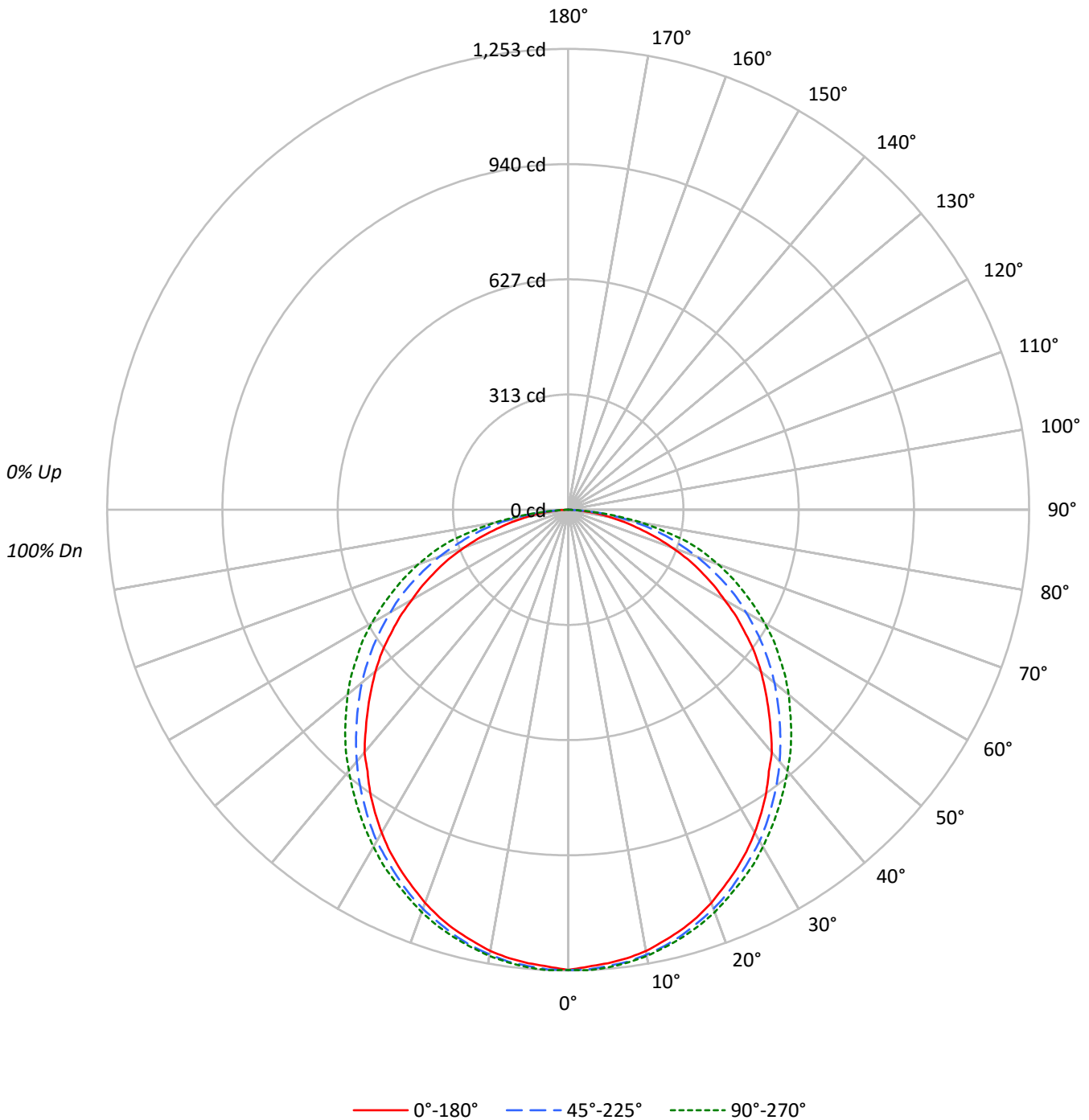
Lumens per Lamp: N/A  
Luminaire Lumens: 3586.9 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.2  
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	104	99	95	106	101	97	94	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	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	68	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

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

	0°	45°	90°
0°	3367	3367	3367
5°	3344	3364	3375
10°	3330	3356	3366
15°	3298	3335	3351
20°	3257	3307	3334
25°	3205	3268	3308
30°	3150	3234	3288
35°	3083	3185	3267
40°	3025	3141	3256
45°	2932	3094	3263
50°	2862	3064	3274
55°	2763	3035	3289
60°	2640	3004	3315
65°	2533	2975	3344
70°	2355	2917	3404
75°	2088	2851	3474
80°	1765	2664	3143
85°	1254	1849	1788



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.3	3.3
10°-20°	337.1	9.4
20°-30°	506.6	14.1
30°-40°	606.0	16.9
40°-50°	628.4	17.5
50°-60°	578.0	16.1
60°-70°	458.7	12.8
70°-80°	283.3	7.9
80°-90°	70.4	2.0
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°	962.0	26.8
0°-40°	1568.0	43.7
0°-60°	2774.4	77.3
0°-90°	3586.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3586.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1251	1251	1251	1251	1251	
5°	1238	1242	1246	1249	1249	118
15°	1184	1188	1197	1203	1203	334
25°	1080	1087	1101	1112	1114	497
35°	938	948	969	989	994	587
45°	770	784	813	846	857	595
55°	589	604	647	691	701	527
65°	398	415	467	512	525	393
75°	201	228	274	317	334	215
85°	41	52	60	60	58	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1251.3	1251.3	1251.3	1251.3	1251.3
2.5°	1243.6	1245.5	1251.3	1253.3	1253.3
5°	1237.8	1241.7	1245.5	1249.4	1249.4
7.5°	1230.1	1233.9	1239.7	1241.7	1241.7
10°	1218.5	1222.4	1228.1	1232.0	1232.0
12.5°	1201.1	1206.9	1214.6	1218.5	1218.5
15°	1183.7	1187.6	1197.2	1203.0	1203.0
17.5°	1162.5	1166.4	1176.0	1183.7	1185.7
20°	1137.4	1141.2	1154.8	1162.5	1164.4
22.5°	1108.4	1114.2	1129.7	1137.4	1139.3
25°	1079.5	1087.2	1100.7	1112.3	1114.2
27.5°	1048.6	1056.3	1069.8	1085.2	1089.1
30°	1013.8	1021.5	1040.8	1054.4	1058.2
32.5°	977.1	986.8	1006.1	1023.5	1027.3
35°	938.5	948.1	969.4	988.7	994.5
37.5°	896.0	909.5	932.7	953.9	961.7
40°	861.2	869.0	894.1	919.2	926.9
42.5°	814.9	826.5	853.5	882.5	894.1
45°	770.5	784.0	813.0	845.8	857.4
47.5°	726.1	739.6	772.4	807.2	818.8
50°	683.6	695.2	731.9	770.5	782.1
52.5°	639.2	650.8	689.4	731.9	743.5
55°	589.0	604.4	646.9	691.3	701.0
57.5°	542.6	558.1	602.5	645.0	662.3
60°	490.5	509.8	558.1	600.6	616.0
62.5°	446.1	461.5	515.6	558.1	571.6
65°	397.8	415.2	467.3	511.7	525.2
67.5°	351.5	368.8	419.0	463.5	480.8
70°	299.3	318.6	370.8	415.2	432.6
72.5°	251.0	274.2	320.6	366.9	386.2
75°	200.8	227.9	274.2	316.7	334.1
77.5°	156.4	179.6	224.0	253.0	262.6
80°	113.9	137.1	171.9	191.2	202.8
82.5°	77.2	90.8	117.8	131.3	131.3
85°	40.6	52.1	59.9	59.9	57.9
87.5°	13.5	15.4	11.6	5.8	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)