

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: P302102

Luminaire Tested: **RX-WO-44H835-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302102  
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-44H835-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

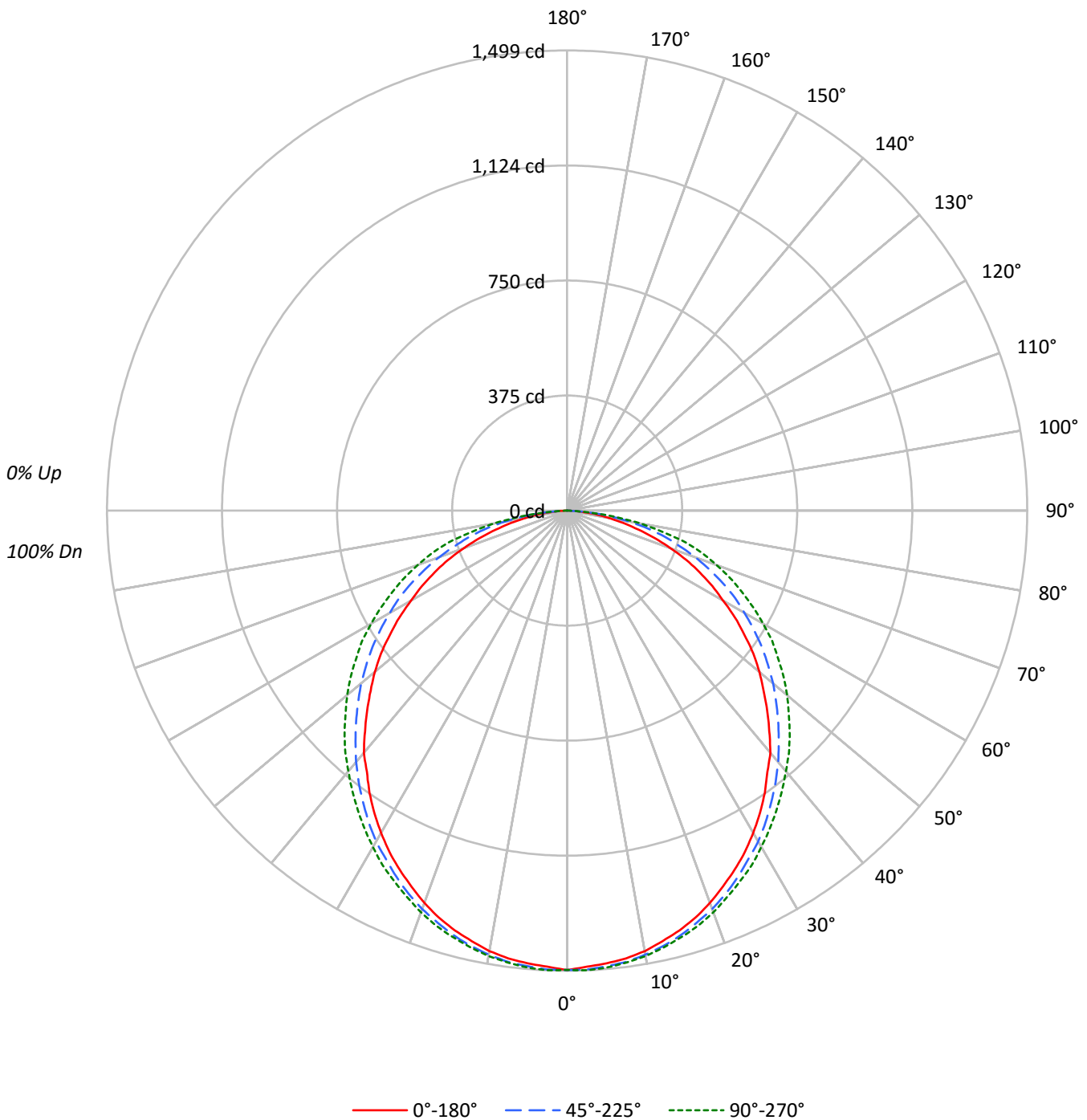
Lumens per Lamp: N/A  
Luminaire Lumens: 4289.6 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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°	4027	4027	4027
5°	3999	4024	4036
10°	3982	4013	4026
15°	3944	3989	4008
20°	3895	3955	3988
25°	3833	3908	3956
30°	3767	3868	3932
35°	3687	3808	3907
40°	3618	3756	3894
45°	3506	3700	3902
50°	3422	3664	3916
55°	3305	3629	3933
60°	3157	3592	3965
65°	3029	3559	3999
70°	2817	3489	4070
75°	2497	3409	4154
80°	2112	3185	3758
85°	1497	2211	2140



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.5	3.3
10°-20°	403.2	9.4
20°-30°	605.8	14.1
30°-40°	724.8	16.9
40°-50°	751.5	17.5
50°-60°	691.2	16.1
60°-70°	548.6	12.8
70°-80°	338.8	7.9
80°-90°	84.2	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°	1150.4	26.8
0°-40°	1875.2	43.7
0°-60°	3318.0	77.3
0°-90°	4289.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4289.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1496	1496	1496	1496	1496	
5°	1480	1485	1490	1494	1494	141
15°	1416	1420	1432	1439	1439	399
25°	1291	1300	1316	1330	1332	595
35°	1122	1134	1159	1182	1189	702
45°	921	938	972	1012	1025	712
55°	704	723	774	827	838	630
65°	476	496	559	612	628	471
75°	240	272	328	379	400	257
85°	48	62	72	72	69	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1496.5	1496.5	1496.5	1496.5	1496.5
2.5°	1487.2	1489.5	1496.5	1498.8	1498.8
5°	1480.3	1484.9	1489.5	1494.2	1494.2
7.5°	1471.1	1475.7	1482.6	1484.9	1484.9
10°	1457.2	1461.8	1468.8	1473.4	1473.4
12.5°	1436.4	1443.4	1452.6	1457.2	1457.2
15°	1415.6	1420.3	1431.8	1438.7	1438.7
17.5°	1390.2	1394.9	1406.4	1415.6	1418.0
20°	1360.2	1364.8	1381.0	1390.2	1392.5
22.5°	1325.6	1332.5	1351.0	1360.2	1362.5
25°	1290.9	1300.2	1316.3	1330.2	1332.5
27.5°	1254.0	1263.2	1279.4	1297.9	1302.5
30°	1212.4	1221.7	1244.7	1260.9	1265.5
32.5°	1168.5	1180.1	1203.2	1224.0	1228.6
35°	1122.4	1133.9	1159.3	1182.4	1189.3
37.5°	1071.5	1087.7	1115.4	1140.8	1150.1
40°	1030.0	1039.2	1069.2	1099.3	1108.5
42.5°	974.6	988.4	1020.7	1055.4	1069.2
45°	921.4	937.6	972.2	1011.5	1025.4
47.5°	868.3	884.5	923.7	965.3	979.2
50°	817.5	831.4	875.3	921.4	935.3
52.5°	764.4	778.3	824.4	875.3	889.1
55°	704.4	722.8	773.6	826.8	838.3
57.5°	648.9	667.4	720.5	771.3	792.1
60°	586.6	609.7	667.4	718.2	736.7
62.5°	533.5	551.9	616.6	667.4	683.6
65°	475.7	496.5	558.9	612.0	628.1
67.5°	420.3	441.1	501.1	554.2	575.0
70°	358.0	381.0	443.4	496.5	517.3
72.5°	300.2	327.9	383.4	438.8	461.9
75°	240.2	272.5	327.9	378.7	399.5
77.5°	187.1	214.8	267.9	302.5	314.1
80°	136.3	164.0	205.5	228.6	242.5
82.5°	92.4	108.5	140.9	157.0	157.0
85°	48.5	62.4	71.6	71.6	69.3
87.5°	16.2	18.5	13.9	6.9	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)