

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: P302303

Luminaire Tested: **ZX-WO-35H835-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302303  
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-35H835-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

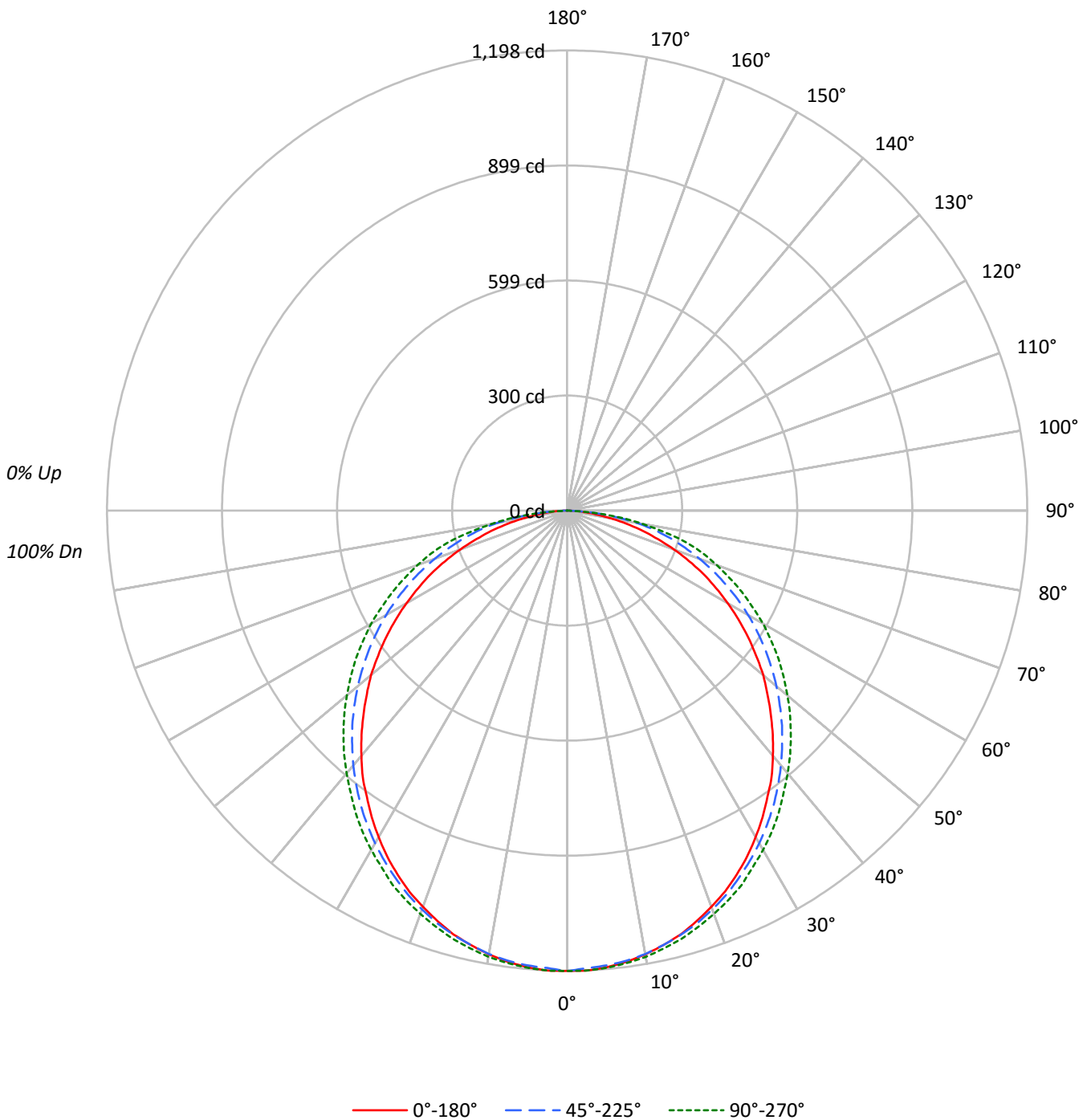
Lumens per Lamp: N/A  
Luminaire Lumens: 3488.2 lumens  
Efficiency: N/A  
Efficacy: 136.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.6  
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°	1612	1612	1612
5°	1612	1605	1613
10°	1603	1602	1612
15°	1591	1593	1607
20°	1571	1582	1600
25°	1552	1568	1596
30°	1525	1554	1585
35°	1494	1539	1577
40°	1464	1521	1569
45°	1427	1505	1567
50°	1395	1489	1567
55°	1350	1476	1575
60°	1301	1465	1586
65°	1249	1451	1598
70°	1166	1441	1627
75°	1062	1444	1677
80°	879	1429	1544
85°	673	1135	1096



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.3	3.2
10°-20°	323.5	9.3
20°-30°	488.0	14.0
30°-40°	585.9	16.8
40°-50°	609.4	17.5
50°-60°	560.4	16.1
60°-70°	446.7	12.8
70°-80°	283.0	8.1
80°-90°	77.8	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°	924.9	26.5
0°-40°	1510.8	43.3
0°-60°	2680.6	76.8
0°-90°	3488.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3488.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1198	1198	1198	1198	1198	
5°	1193	1193	1188	1195	1195	113
15°	1142	1142	1144	1152	1154	322
25°	1045	1050	1056	1071	1075	481
35°	909	919	937	954	960	570
45°	750	766	791	816	823	579
55°	576	594	629	660	671	514
65°	392	412	456	491	502	387
75°	204	230	278	313	323	215
85°	44	62	74	72	71	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1198.4	1198.4	1198.4	1198.4	1198.4
2.5°	1198.4	1198.4	1192.1	1198.4	1198.4
5°	1193.4	1193.4	1188.4	1194.6	1194.6
7.5°	1184.7	1185.9	1182.2	1188.4	1188.4
10°	1173.4	1174.7	1172.2	1179.7	1179.7
12.5°	1158.5	1159.7	1158.5	1167.2	1167.2
15°	1142.3	1142.3	1143.6	1152.3	1153.5
17.5°	1121.1	1123.6	1126.1	1136.1	1136.1
20°	1097.5	1101.2	1104.9	1117.4	1117.4
22.5°	1073.8	1077.5	1082.5	1095.0	1097.5
25°	1045.1	1050.1	1056.4	1071.3	1075.0
27.5°	1015.2	1019.0	1028.9	1045.1	1046.4
30°	981.6	987.8	1000.3	1016.5	1020.2
32.5°	946.7	955.5	969.2	987.8	991.6
35°	909.4	919.3	936.8	954.2	960.4
37.5°	874.5	882.0	901.9	921.8	925.6
40°	833.4	844.6	865.8	888.2	893.2
42.5°	792.3	804.7	828.4	850.8	859.5
45°	749.9	766.1	791.0	815.9	823.4
47.5°	707.6	725.0	751.2	778.6	787.3
50°	666.4	682.6	711.3	739.9	748.7
52.5°	620.4	639.0	670.2	701.3	710.0
55°	575.5	594.2	629.1	660.2	671.4
57.5°	529.4	550.6	586.7	619.1	629.1
60°	483.3	505.8	544.4	576.8	589.2
62.5°	437.2	458.4	500.8	533.2	544.4
65°	392.4	412.3	455.9	490.8	502.0
67.5°	343.8	366.2	411.1	447.2	457.2
70°	296.5	318.9	366.2	403.6	413.6
72.5°	247.9	274.1	321.4	357.5	371.2
75°	204.3	230.5	277.8	312.7	322.6
77.5°	158.2	184.4	232.9	257.9	259.1
80°	113.4	143.3	184.4	194.3	199.3
82.5°	74.7	103.4	127.1	139.5	139.5
85°	43.6	62.3	73.5	72.3	71.0
87.5°	16.2	21.2	17.4	12.5	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)