

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: P302313

Luminaire Tested: **ZX-WO-35H840-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302313  
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-35H840-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

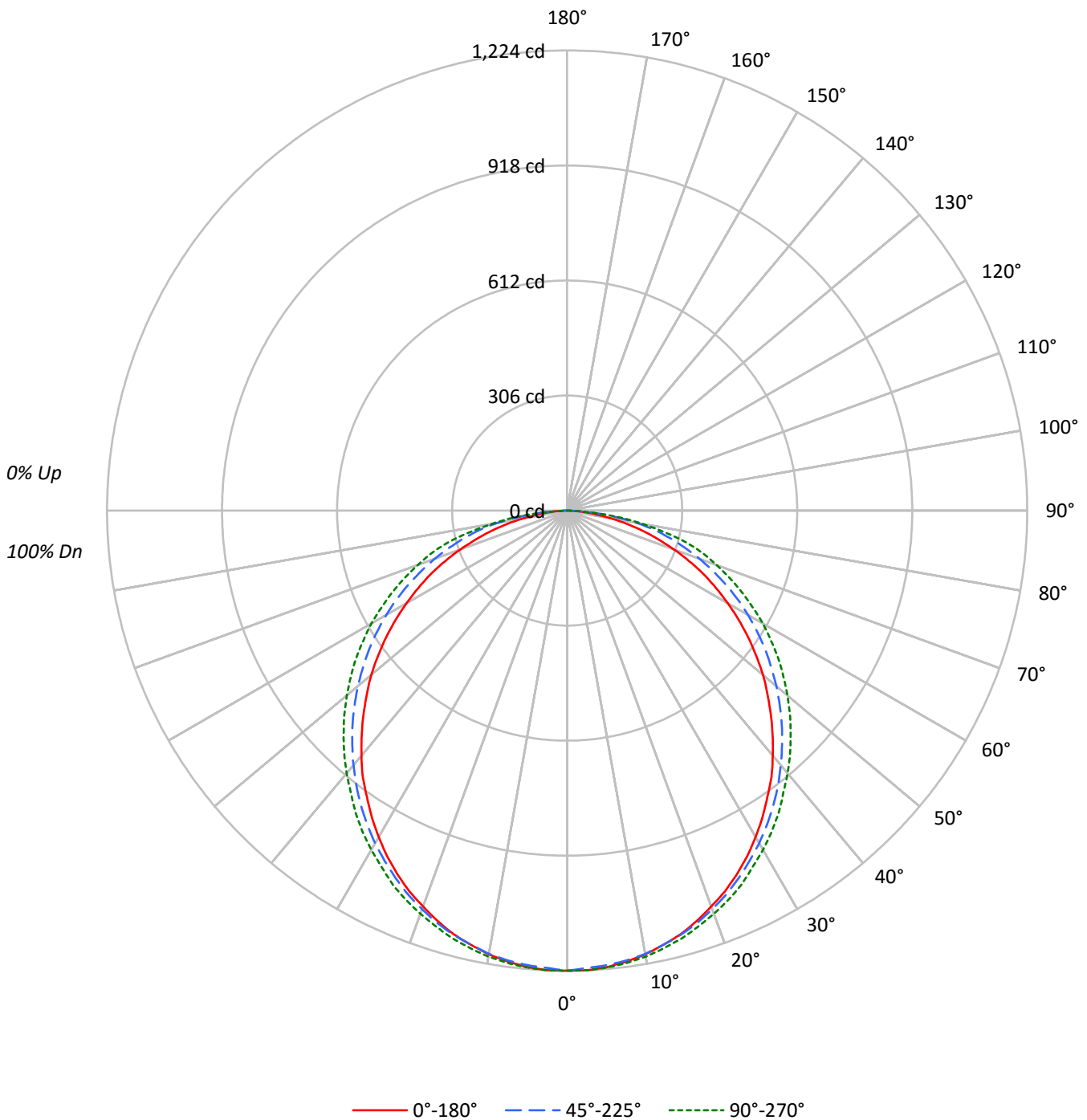
Lumens per Lamp: N/A  
Luminaire Lumens: 3562.3 lumens  
Efficiency: N/A  
Efficacy: 139.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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°	1647	1647	1647
5°	1646	1639	1648
10°	1637	1636	1646
15°	1625	1627	1641
20°	1605	1616	1634
25°	1585	1602	1630
30°	1558	1587	1619
35°	1525	1571	1611
40°	1495	1553	1602
45°	1457	1537	1600
50°	1425	1521	1600
55°	1379	1507	1609
60°	1328	1496	1619
65°	1276	1482	1632
70°	1191	1471	1662
75°	1084	1475	1713
80°	897	1459	1578
85°	687	1159	1119



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.7	3.2
10°-20°	330.4	9.3
20°-30°	498.4	14.0
30°-40°	598.4	16.8
40°-50°	622.3	17.5
50°-60°	572.3	16.1
60°-70°	456.1	12.8
70°-80°	289.1	8.1
80°-90°	79.5	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°	944.5	26.5
0°-40°	1542.9	43.3
0°-60°	2737.6	76.8
0°-90°	3562.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3562.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1224	1224	1224	1224	1224	
5°	1219	1219	1214	1220	1220	116
15°	1167	1167	1168	1177	1178	329
25°	1067	1072	1079	1094	1098	492
35°	929	939	957	974	981	582
45°	766	782	808	833	841	591
55°	588	607	642	674	686	525
65°	401	421	466	501	513	395
75°	209	235	284	319	330	220
85°	44	64	75	74	72	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1223.8	1223.8	1223.8	1223.8	1223.8
2.5°	1223.8	1223.8	1217.5	1223.8	1223.8
5°	1218.8	1218.8	1213.7	1220.0	1220.0
7.5°	1209.9	1211.1	1207.3	1213.7	1213.7
10°	1198.4	1199.7	1197.1	1204.8	1204.8
12.5°	1183.1	1184.4	1183.1	1192.0	1192.0
15°	1166.6	1166.6	1167.9	1176.8	1178.0
17.5°	1145.0	1147.5	1150.1	1160.2	1160.2
20°	1120.8	1124.6	1128.4	1141.2	1141.2
22.5°	1096.6	1100.4	1105.5	1118.3	1120.8
25°	1067.4	1072.5	1078.8	1094.1	1097.9
27.5°	1036.8	1040.6	1050.8	1067.4	1068.6
30°	1002.5	1008.8	1021.6	1038.1	1041.9
32.5°	966.9	975.8	989.8	1008.8	1012.7
35°	928.7	938.9	956.7	974.5	980.9
37.5°	893.1	900.7	921.1	941.4	945.2
40°	851.1	862.5	884.2	907.1	912.2
42.5°	809.1	821.8	846.0	868.9	877.8
45°	765.9	782.4	807.8	833.3	840.9
47.5°	722.6	740.4	767.1	795.1	804.0
50°	680.6	697.2	726.4	755.7	764.6
52.5°	633.5	652.6	684.4	716.2	725.1
55°	587.8	606.8	642.5	674.3	685.7
57.5°	540.7	562.3	599.2	632.3	642.5
60°	493.6	516.5	555.9	589.0	601.7
62.5°	446.5	468.2	511.4	544.5	555.9
65°	400.7	421.1	465.6	501.2	512.7
67.5°	351.1	374.0	419.8	456.7	466.9
70°	302.8	325.7	374.0	412.2	422.4
72.5°	253.2	279.9	328.2	365.1	379.1
75°	208.6	235.4	283.7	319.3	329.5
77.5°	161.6	188.3	237.9	263.3	264.6
80°	115.8	146.3	188.3	198.5	203.6
82.5°	76.3	105.6	129.8	142.5	142.5
85°	44.5	63.6	75.1	73.8	72.5
87.5°	16.5	21.6	17.8	12.7	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)