

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: P302337

Luminaire Tested: **ZX-WO-55H935-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302337  
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-55H935-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (336)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

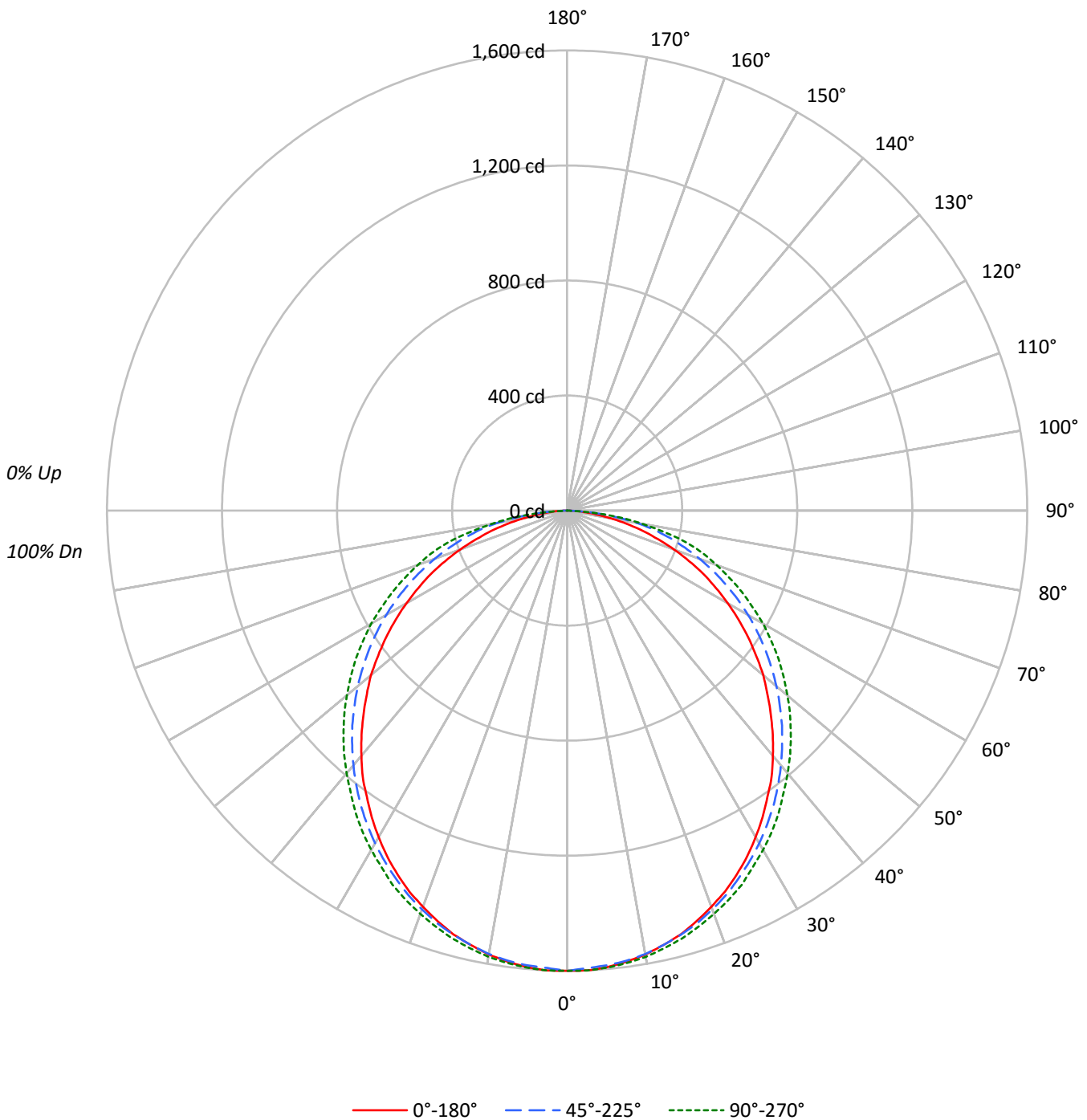
Lumens per Lamp: N/A  
Luminaire Lumens: 4658.5 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 40.9  
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°	2153	2153	2153
5°	2153	2144	2155
10°	2141	2139	2153
15°	2125	2127	2146
20°	2099	2113	2137
25°	2072	2094	2131
30°	2037	2076	2117
35°	1995	2055	2107
40°	1955	2031	2095
45°	1906	2010	2093
50°	1863	1988	2093
55°	1803	1971	2103
60°	1737	1956	2118
65°	1669	1939	2135
70°	1558	1924	2173
75°	1418	1929	2240
80°	1173	1908	2063
85°	898	1516	1463



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.3	3.2
10°-20°	432.1	9.3
20°-30°	651.8	14.0
30°-40°	782.5	16.8
40°-50°	813.8	17.5
50°-60°	748.5	16.1
60°-70°	596.5	12.8
70°-80°	378.0	8.1
80°-90°	104.0	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°	1235.2	26.5
0°-40°	2017.7	43.3
0°-60°	3580.0	76.8
0°-90°	4658.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4658.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1600	1600	1600	1600	1600	
5°	1594	1594	1587	1595	1595	151
15°	1526	1526	1527	1539	1540	430
25°	1396	1402	1411	1431	1436	643
35°	1214	1228	1251	1274	1283	761
45°	1002	1023	1056	1090	1100	773
55°	769	794	840	882	897	687
65°	524	551	609	656	670	517
75°	273	308	371	418	431	287
85°	58	83	98	96	95	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1600.4	1600.4	1600.4	1600.4	1600.4
2.5°	1600.4	1600.4	1592.1	1600.4	1600.4
5°	1593.8	1593.8	1587.1	1595.4	1595.4
7.5°	1582.1	1583.8	1578.8	1587.1	1587.1
10°	1567.2	1568.8	1565.5	1575.5	1575.5
12.5°	1547.2	1548.9	1547.2	1558.8	1558.8
15°	1525.6	1525.6	1527.2	1538.9	1540.5
17.5°	1497.3	1500.6	1503.9	1517.3	1517.3
20°	1465.7	1470.7	1475.7	1492.3	1492.3
22.5°	1434.1	1439.1	1445.7	1462.4	1465.7
25°	1395.8	1402.5	1410.8	1430.7	1435.7
27.5°	1355.9	1360.9	1374.2	1395.8	1397.5
30°	1311.0	1319.3	1335.9	1357.5	1362.5
32.5°	1264.4	1276.0	1294.3	1319.3	1324.3
35°	1214.5	1227.8	1251.1	1274.4	1282.7
37.5°	1167.9	1177.9	1204.5	1231.1	1236.1
40°	1113.0	1128.0	1156.2	1186.2	1192.8
42.5°	1058.1	1074.7	1106.3	1136.3	1147.9
45°	1001.5	1023.1	1056.4	1089.7	1099.7
47.5°	945.0	968.2	1003.2	1039.8	1051.4
50°	890.1	911.7	949.9	988.2	999.9
52.5°	828.5	853.5	895.0	936.6	948.3
55°	768.6	793.6	840.1	881.7	896.7
57.5°	707.1	735.3	783.6	826.8	840.1
60°	645.5	675.4	727.0	770.3	786.9
62.5°	583.9	612.2	668.8	712.0	727.0
65°	524.1	550.7	608.9	655.5	670.5
67.5°	459.2	489.1	549.0	597.3	610.6
70°	396.0	425.9	489.1	539.0	552.3
72.5°	331.1	366.0	429.2	477.5	495.8
75°	272.8	307.8	371.0	417.6	430.9
77.5°	211.3	246.2	311.1	344.4	346.0
80°	151.4	191.3	246.2	259.5	266.2
82.5°	99.8	138.1	169.7	186.3	186.3
85°	58.2	83.2	98.2	96.5	94.8
87.5°	21.6	28.3	23.3	16.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)