

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: P302327

Luminaire Tested: **ZX-WO-55H930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302327  
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-55H930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (336)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

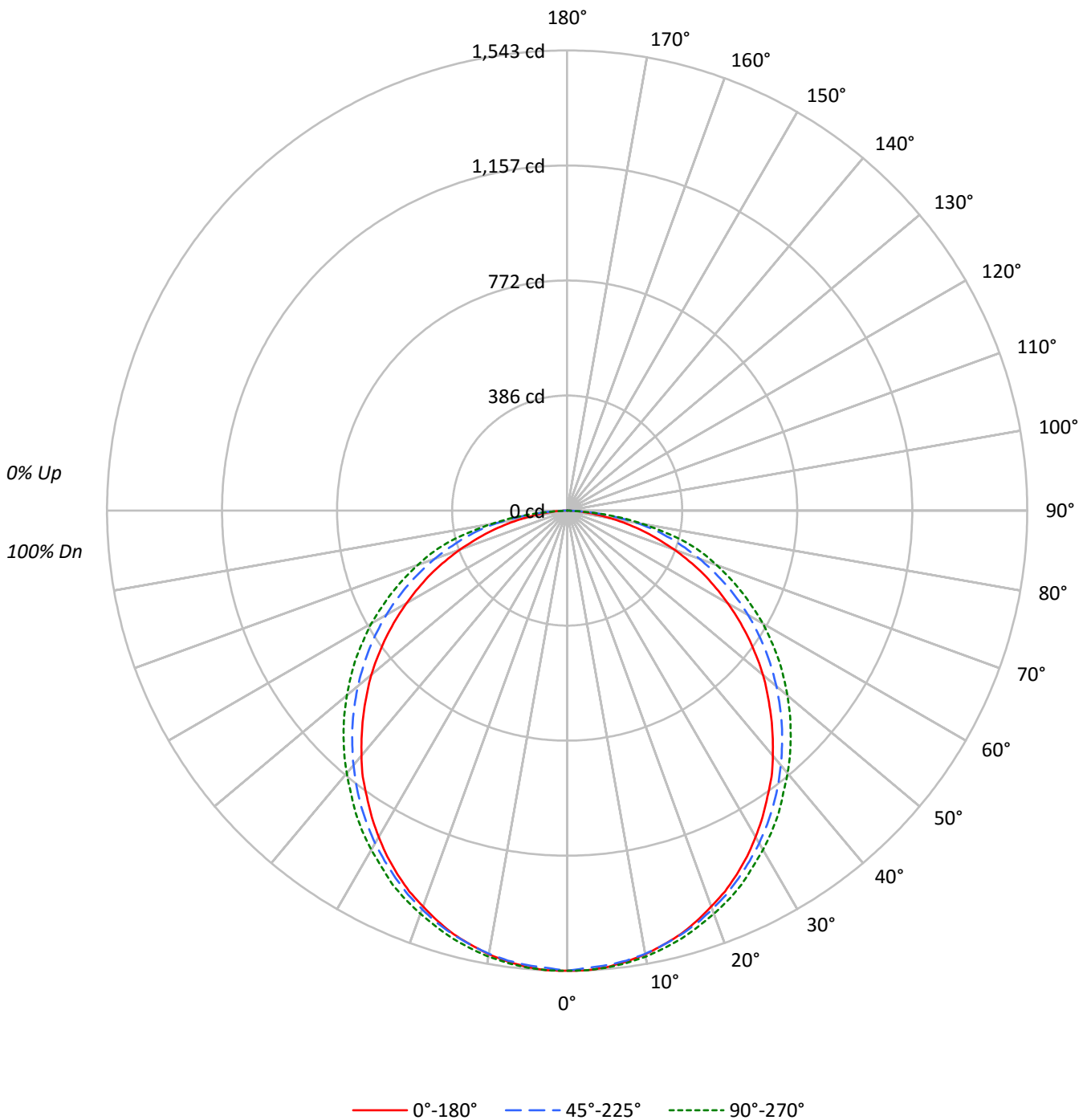
Lumens per Lamp: N/A  
Luminaire Lumens: 4490.9 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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°	2076	2076	2076
5°	2075	2067	2077
10°	2064	2062	2075
15°	2049	2051	2069
20°	2023	2037	2060
25°	1998	2019	2055
30°	1963	2001	2041
35°	1923	1981	2031
40°	1885	1958	2020
45°	1837	1938	2017
50°	1796	1917	2018
55°	1738	1900	2028
60°	1675	1886	2041
65°	1608	1869	2058
70°	1502	1855	2095
75°	1367	1860	2159
80°	1130	1839	1988
85°	866	1460	1411



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.9	3.2
10°-20°	416.5	9.3
20°-30°	628.4	14.0
30°-40°	754.4	16.8
40°-50°	784.6	17.5
50°-60°	721.6	16.1
60°-70°	575.1	12.8
70°-80°	364.4	8.1
80°-90°	100.2	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°	1190.8	26.5
0°-40°	1945.2	43.3
0°-60°	3451.3	76.8
0°-90°	4490.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4490.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1543	1543	1543	1543	1543	
5°	1536	1536	1530	1538	1538	146
15°	1471	1471	1472	1484	1485	414
25°	1346	1352	1360	1379	1384	620
35°	1171	1184	1206	1228	1237	733
45°	966	986	1018	1050	1060	745
55°	741	765	810	850	864	662
65°	505	531	587	632	646	498
75°	263	297	358	403	415	277
85°	56	80	95	93	91	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1542.9	1542.9	1542.9	1542.9	1542.9
2.5°	1542.9	1542.9	1534.9	1542.9	1542.9
5°	1536.5	1536.5	1530.1	1538.1	1538.1
7.5°	1525.2	1526.8	1522.0	1530.1	1530.1
10°	1510.8	1512.4	1509.2	1518.8	1518.8
12.5°	1491.6	1493.2	1491.6	1502.8	1502.8
15°	1470.7	1470.7	1472.3	1483.5	1485.1
17.5°	1443.4	1446.7	1449.9	1462.7	1462.7
20°	1413.0	1417.8	1422.6	1438.6	1438.6
22.5°	1382.5	1387.3	1393.7	1409.8	1413.0
25°	1345.6	1352.0	1360.0	1379.3	1384.1
27.5°	1307.1	1311.9	1324.8	1345.6	1347.2
30°	1263.8	1271.8	1287.9	1308.7	1313.5
32.5°	1218.9	1230.1	1247.8	1271.8	1276.6
35°	1170.8	1183.6	1206.1	1228.5	1236.6
37.5°	1125.9	1135.5	1161.2	1186.8	1191.6
40°	1073.0	1087.4	1114.7	1143.5	1149.9
42.5°	1020.0	1036.1	1066.5	1095.4	1106.6
45°	965.5	986.4	1018.4	1050.5	1060.1
47.5°	911.0	933.4	967.1	1002.4	1013.6
50°	858.0	878.9	915.8	952.7	963.9
52.5°	798.7	822.8	862.9	903.0	914.2
55°	741.0	765.0	809.9	850.0	864.5
57.5°	681.6	708.9	755.4	797.1	809.9
60°	622.3	651.2	700.9	742.6	758.6
62.5°	562.9	590.2	644.7	686.4	700.9
65°	505.2	530.9	587.0	631.9	646.3
67.5°	442.7	471.5	529.3	575.8	588.6
70°	381.7	410.6	471.5	519.6	532.5
72.5°	319.2	352.8	413.8	460.3	477.9
75°	263.0	296.7	357.7	402.6	415.4
77.5°	203.7	237.4	299.9	332.0	333.6
80°	145.9	184.4	237.4	250.2	256.6
82.5°	96.2	133.1	163.6	179.6	179.6
85°	56.1	80.2	94.6	93.0	91.4
87.5°	20.8	27.3	22.5	16.0	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)