

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: P302347

Luminaire Tested: **ZX-WO-55H940-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302347  
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-55H940-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (336)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

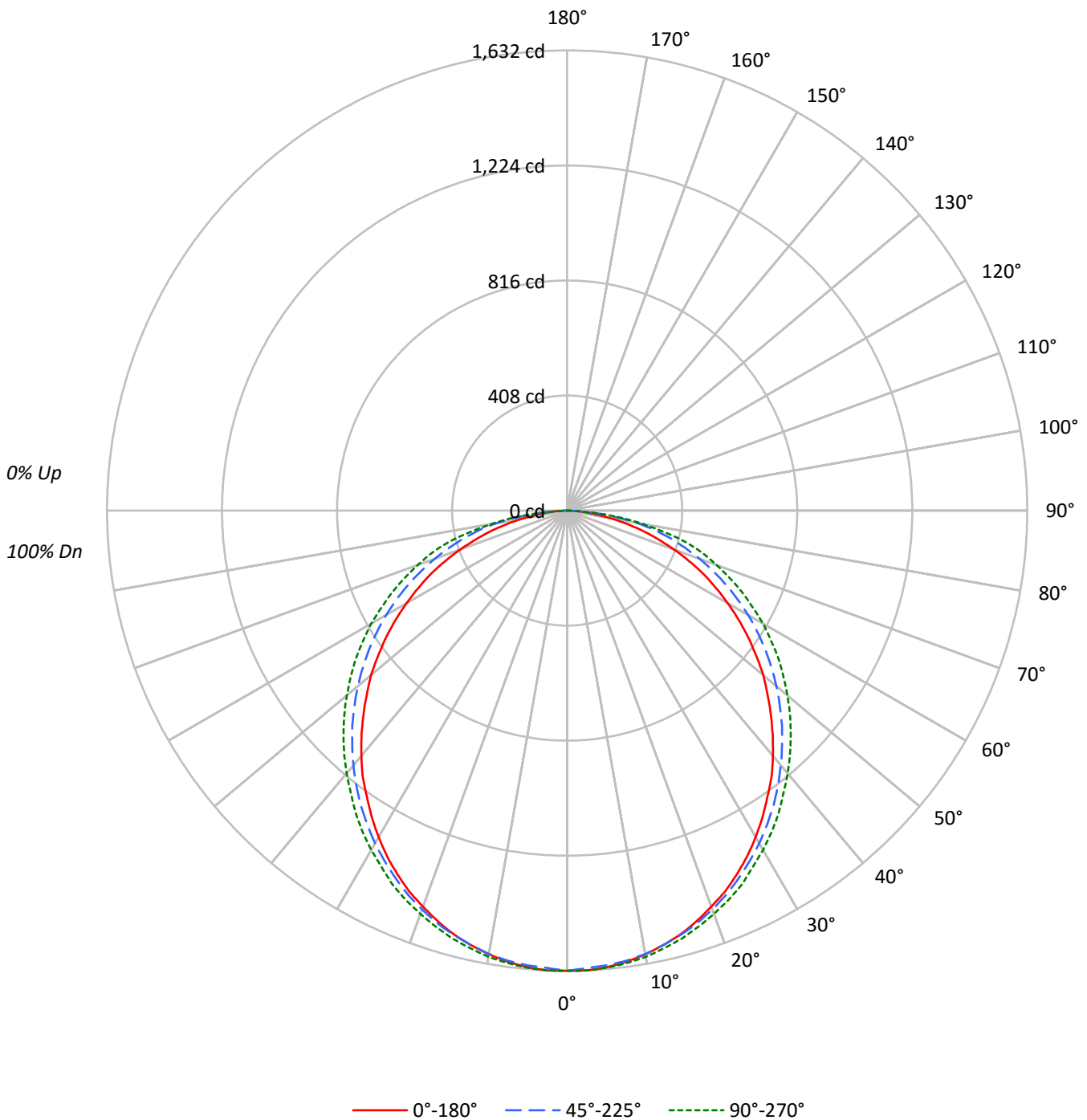
Lumens per Lamp: N/A  
Luminaire Lumens: 4751.1 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 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°	2196	2196	2196
5°	2195	2186	2198
10°	2184	2181	2195
15°	2167	2170	2189
20°	2140	2155	2179
25°	2113	2136	2174
30°	2077	2117	2159
35°	2034	2096	2149
40°	1994	2071	2137
45°	1944	2050	2134
50°	1900	2028	2134
55°	1839	2010	2145
60°	1771	1995	2160
65°	1702	1977	2177
70°	1589	1962	2216
75°	1447	1967	2285
80°	1196	1946	2104
85°	917	1545	1493



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.3	3.2
10°-20°	440.7	9.3
20°-30°	664.8	14.0
30°-40°	798.1	16.8
40°-50°	830.0	17.5
50°-60°	763.4	16.1
60°-70°	608.4	12.8
70°-80°	385.5	8.1
80°-90°	106.0	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°	1259.8	26.5
0°-40°	2057.8	43.3
0°-60°	3651.2	76.8
0°-90°	4751.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4751.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1632	1632	1632	1632	1632	
5°	1626	1626	1619	1627	1627	154
15°	1556	1556	1558	1570	1571	438
25°	1424	1430	1439	1459	1464	656
35°	1239	1252	1276	1300	1308	776
45°	1021	1044	1077	1111	1122	789
55°	784	809	857	899	914	701
65°	534	562	621	668	684	527
75°	278	314	378	426	440	293
85°	59	85	100	98	97	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1632.3	1632.3	1632.3	1632.3	1632.3
2.5°	1632.3	1632.3	1623.8	1632.3	1632.3
5°	1625.5	1625.5	1618.7	1627.2	1627.2
7.5°	1613.6	1615.3	1610.2	1618.7	1618.7
10°	1598.3	1600.0	1596.6	1606.8	1606.8
12.5°	1578.0	1579.7	1578.0	1589.8	1589.8
15°	1555.9	1555.9	1557.6	1569.5	1571.2
17.5°	1527.1	1530.5	1533.8	1547.4	1547.4
20°	1494.8	1499.9	1505.0	1522.0	1522.0
22.5°	1462.6	1467.7	1474.5	1491.4	1494.8
25°	1423.6	1430.3	1438.8	1459.2	1464.3
27.5°	1382.8	1387.9	1401.5	1423.6	1425.3
30°	1337.0	1345.5	1362.5	1384.5	1389.6
32.5°	1289.5	1301.4	1320.1	1345.5	1350.6
35°	1238.6	1252.2	1275.9	1299.7	1308.2
37.5°	1191.1	1201.3	1228.4	1255.6	1260.7
40°	1135.1	1150.4	1179.2	1209.8	1216.6
42.5°	1079.1	1096.1	1128.3	1158.9	1170.7
45°	1021.4	1043.5	1077.4	1111.4	1121.5
47.5°	963.7	987.5	1023.1	1060.5	1072.3
50°	907.8	929.8	968.8	1007.9	1019.7
52.5°	845.0	870.4	912.8	955.3	967.1
55°	783.9	809.3	856.8	899.3	914.5
57.5°	721.1	750.0	799.2	843.3	856.8
60°	658.3	688.9	741.5	785.6	802.6
62.5°	595.6	624.4	682.1	726.2	741.5
65°	534.5	561.6	621.0	668.5	683.8
67.5°	468.3	498.8	559.9	609.1	622.7
70°	403.8	434.4	498.8	549.7	563.3
72.5°	337.6	373.3	437.8	487.0	505.6
75°	278.3	313.9	378.4	425.9	439.5
77.5°	215.5	251.1	317.3	351.2	352.9
80°	154.4	195.1	251.1	264.7	271.5
82.5°	101.8	140.8	173.1	190.0	190.0
85°	59.4	84.8	100.1	98.4	96.7
87.5°	22.1	28.8	23.8	17.0	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)