

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: P302467

Luminaire Tested: **ZX-WO-65L940-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302467  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-65L940-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (392)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5384.6 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

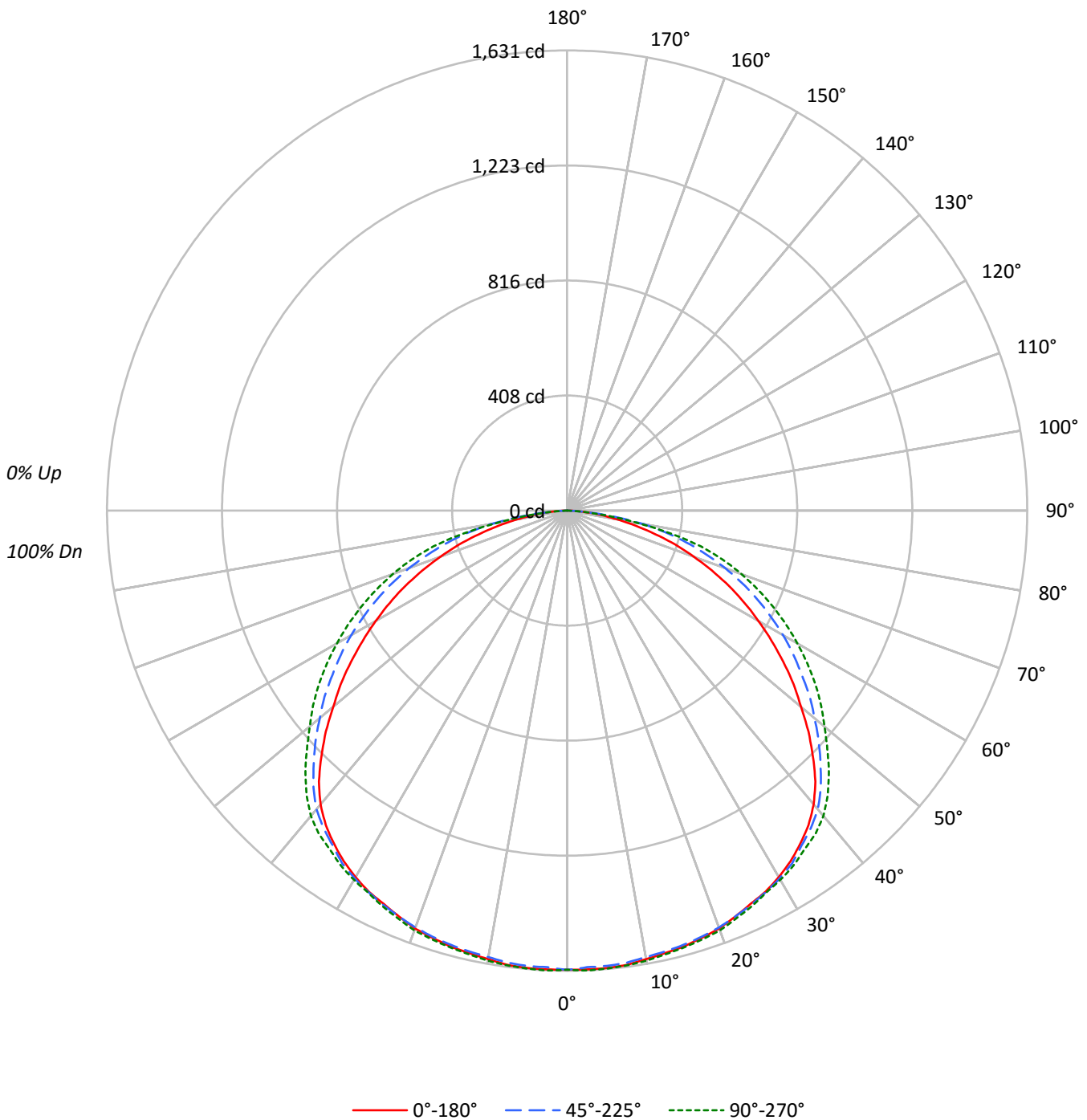
Input Watts (W): 48.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	89	82	76	95	87	81	75	84	78	74		81	76	72		77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52		62	56	51		60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24		35	29	24		35	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2190	2190	2190
5°	2198	2188	2201
10°	2206	2195	2213
15°	2227	2220	2233
20°	2257	2252	2268
25°	2284	2289	2298
30°	2331	2340	2348
35°	2367	2380	2408
40°	2388	2428	2481
45°	2344	2417	2496
50°	2265	2396	2492
55°	2194	2382	2520
60°	2108	2379	2538
65°	2016	2367	2561
70°	1878	2341	2588
75°	1680	2283	2550
80°	1399	2107	1960
85°	1057	1233	1027



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.9	2.9
10°-20°	452.3	8.4
20°-30°	713.4	13.2
30°-40°	910.8	16.9
40°-50°	981.1	18.2
50°-60°	904.0	16.8
60°-70°	723.0	13.4
70°-80°	443.8	8.2
80°-90°	101.2	1.9
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°	1320.6	24.5
0°-40°	2231.4	41.4
0°-60°	4116.5	76.5
0°-90°	5384.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5384.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1628	1628	1628	1628	1628	
5°	1628	1628	1620	1630	1630	155
15°	1599	1601	1593	1603	1603	452
25°	1538	1540	1542	1550	1548	711
35°	1441	1445	1449	1464	1466	901
45°	1232	1245	1270	1302	1312	949
55°	936	960	1015	1061	1074	836
65°	633	675	744	789	804	625
75°	323	375	439	479	491	344
85°	68	91	80	70	66	84
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1627.6	1627.6	1627.6	1627.6	1627.6
2.5°	1627.6	1629.5	1620.0	1629.5	1631.4
5°	1627.6	1627.6	1620.0	1629.5	1629.5
7.5°	1623.8	1623.8	1616.2	1625.7	1625.7
10°	1614.3	1614.3	1606.7	1616.2	1620.0
12.5°	1606.7	1606.7	1601.0	1610.5	1610.5
15°	1599.1	1601.0	1593.4	1602.9	1602.9
17.5°	1587.7	1587.7	1583.9	1591.5	1593.4
20°	1576.3	1576.3	1572.5	1582.0	1583.9
22.5°	1557.3	1559.2	1557.3	1564.9	1564.9
25°	1538.3	1540.2	1542.1	1549.7	1547.8
27.5°	1523.0	1524.9	1524.9	1532.6	1526.8
30°	1500.2	1505.9	1505.9	1509.7	1511.6
32.5°	1473.6	1481.2	1483.1	1490.7	1492.6
35°	1441.3	1445.1	1448.9	1464.1	1466.0
37.5°	1405.2	1414.7	1418.5	1439.4	1445.1
40°	1359.5	1370.9	1382.3	1409.0	1412.8
42.5°	1302.5	1315.8	1331.0	1359.5	1367.1
45°	1232.1	1245.4	1270.2	1302.5	1312.0
47.5°	1159.9	1175.1	1209.3	1243.5	1251.1
50°	1081.9	1104.7	1144.7	1184.6	1190.3
52.5°	1011.6	1034.4	1083.8	1125.6	1135.2
55°	935.5	960.2	1015.4	1061.0	1074.3
57.5°	859.4	891.8	950.7	996.3	1009.7
60°	783.4	817.6	884.2	926.0	943.1
62.5°	709.2	747.3	813.8	861.3	874.7
65°	633.2	675.0	743.5	789.1	804.3
67.5°	555.2	598.9	671.2	716.8	732.0
70°	477.3	526.7	595.1	644.6	657.9
72.5°	403.1	448.7	517.2	560.9	578.0
75°	323.2	374.6	439.2	479.2	490.6
77.5°	251.0	300.4	357.5	382.2	378.4
80°	180.6	232.0	271.9	264.3	252.9
82.5°	121.7	163.5	169.2	157.8	154.0
85°	68.5	91.3	79.9	70.4	66.5
87.5°	28.5	24.7	13.3	5.7	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)