

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: P302457

Luminaire Tested: **ZX-WO-65L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302457
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-65L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5279.6 lumens
Efficiency: N/A
Efficacy: 108.0 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

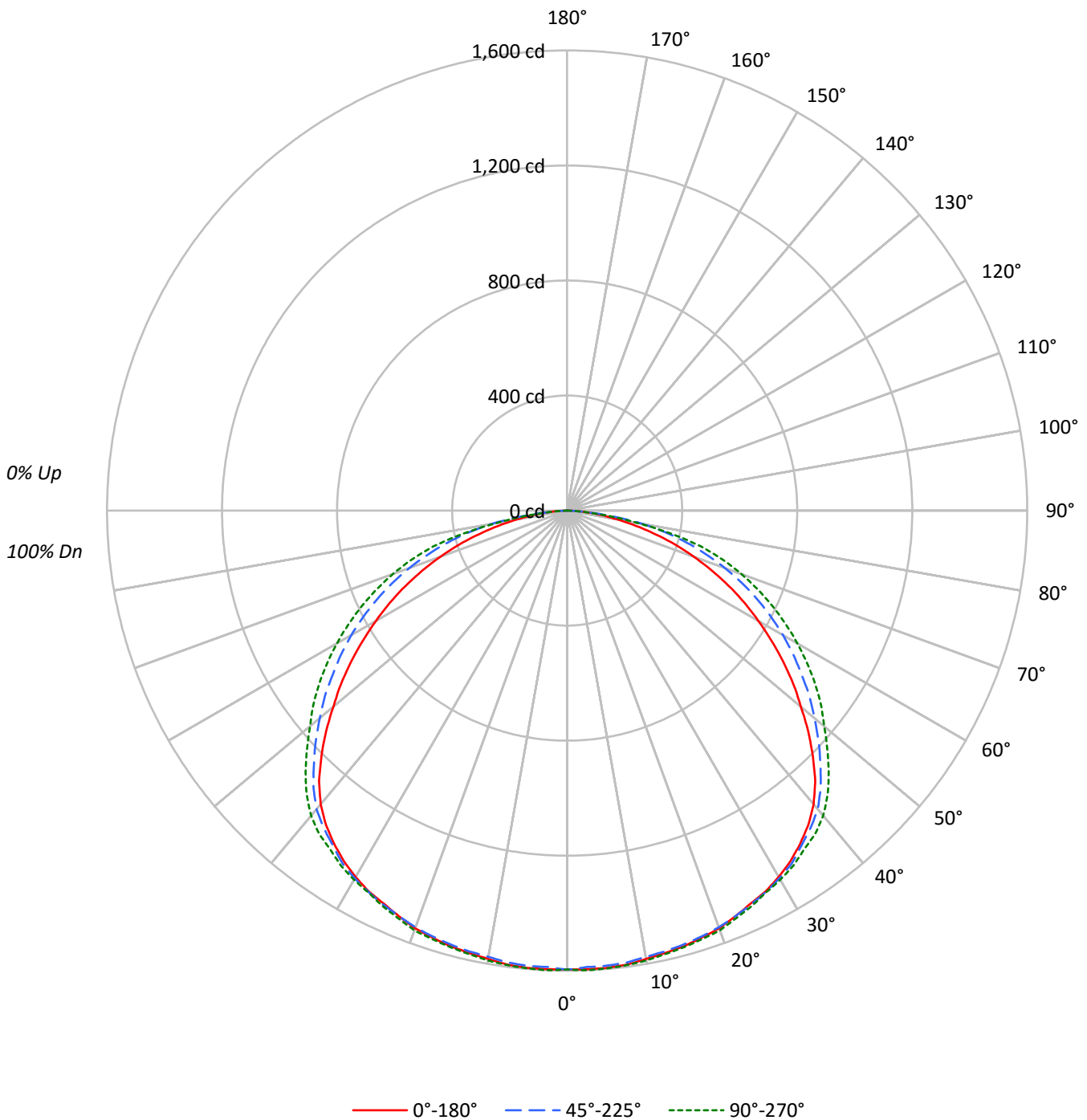
Input Watts (W): 48.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2147	2147	2147
5°	2155	2145	2158
10°	2162	2152	2170
15°	2184	2176	2189
20°	2213	2208	2224
25°	2239	2245	2253
30°	2285	2294	2303
35°	2321	2333	2361
40°	2341	2381	2433
45°	2299	2370	2448
50°	2220	2349	2443
55°	2152	2335	2471
60°	2067	2333	2488
65°	1976	2321	2511
70°	1841	2295	2538
75°	1647	2239	2501
80°	1372	2066	1922
85°	1036	1209	1008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	2.9
10°-20°	443.5	8.4
20°-30°	699.5	13.2
30°-40°	893.1	16.9
40°-50°	962.0	18.2
50°-60°	886.3	16.8
60°-70°	708.9	13.4
70°-80°	435.1	8.2
80°-90°	99.3	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°	1294.9	24.5
0°-40°	2187.9	41.4
0°-60°	4036.3	76.5
0°-90°	5279.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5279.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1596	1596	1596	1596	1596	
5°	1596	1596	1588	1598	1598	152
15°	1568	1570	1562	1572	1572	443
25°	1508	1510	1512	1520	1518	698
35°	1413	1417	1421	1436	1437	884
45°	1208	1221	1245	1277	1286	930
55°	917	942	996	1040	1053	820
65°	621	662	729	774	789	613
75°	317	367	431	470	481	338
85°	67	90	78	69	65	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1595.9	1595.9	1595.9	1595.9	1595.9
2.5°	1595.9	1597.8	1588.4	1597.8	1599.6
5°	1595.9	1595.9	1588.4	1597.8	1597.8
7.5°	1592.2	1592.2	1584.7	1594.0	1594.0
10°	1582.8	1582.8	1575.4	1584.7	1588.4
12.5°	1575.4	1575.4	1569.8	1579.1	1579.1
15°	1567.9	1569.8	1562.3	1571.7	1571.7
17.5°	1556.7	1556.7	1553.0	1560.5	1562.3
20°	1545.6	1545.6	1541.8	1551.1	1553.0
22.5°	1526.9	1528.8	1526.9	1534.4	1534.4
25°	1508.3	1510.1	1512.0	1519.5	1517.6
27.5°	1493.4	1495.2	1495.2	1502.7	1497.1
30°	1471.0	1476.6	1476.6	1480.3	1482.2
32.5°	1444.9	1452.3	1454.2	1461.7	1463.5
35°	1413.2	1416.9	1420.6	1435.6	1437.4
37.5°	1377.8	1387.1	1390.8	1411.3	1416.9
40°	1333.0	1344.2	1355.4	1381.5	1385.2
42.5°	1277.1	1290.1	1305.1	1333.0	1340.5
45°	1208.1	1221.2	1245.4	1277.1	1286.4
47.5°	1137.3	1152.2	1185.7	1219.3	1226.7
50°	1060.8	1083.2	1122.3	1161.5	1167.1
52.5°	991.8	1014.2	1062.7	1103.7	1113.0
55°	917.3	941.5	995.6	1040.3	1053.4
57.5°	842.7	874.4	932.2	976.9	990.0
60°	768.1	801.7	866.9	907.9	924.7
62.5°	695.4	732.7	797.9	844.6	857.6
65°	620.8	661.8	729.0	773.7	788.6
67.5°	544.4	587.3	658.1	702.9	717.8
70°	468.0	516.4	583.5	632.0	645.1
72.5°	395.2	440.0	507.1	550.0	566.8
75°	316.9	367.3	430.7	469.8	481.0
77.5°	246.1	294.6	350.5	374.7	371.0
80°	177.1	227.5	266.6	259.1	248.0
82.5°	119.3	160.3	165.9	154.7	151.0
85°	67.1	89.5	78.3	69.0	65.3
87.5°	28.0	24.2	13.1	5.6	3.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)