

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: P302398

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-65L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5225.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

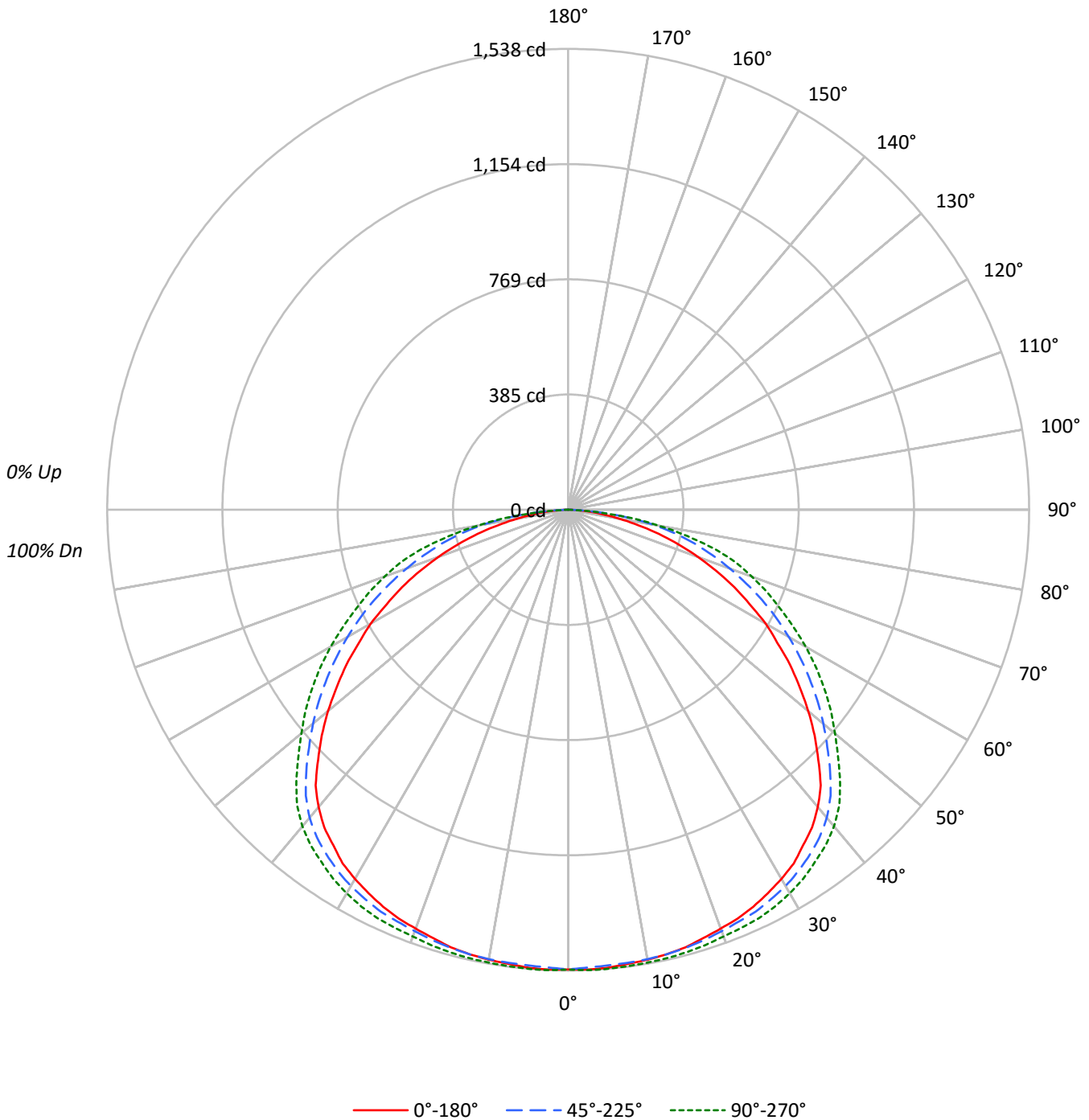
Input Watts (W): 48.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2065	2065	2065
5°	2072	2062	2077
10°	2084	2081	2096
15°	2106	2109	2130
20°	2130	2144	2170
25°	2170	2198	2234
30°	2210	2254	2297
35°	2245	2309	2358
40°	2276	2358	2423
45°	2246	2352	2441
50°	2189	2326	2431
55°	2121	2305	2449
60°	2047	2288	2463
65°	1947	2273	2481
70°	1812	2259	2560
75°	1628	2268	2626
80°	1344	2239	2398
85°	979	1669	1555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	2.8
10°-20°	429.6	8.2
20°-30°	684.3	13.1
30°-40°	879.7	16.8
40°-50°	951.3	18.2
50°-60°	875.1	16.7
60°-70°	697.6	13.4
70°-80°	443.2	8.5
80°-90°	118.1	2.3
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°	1260.1	24.1
0°-40°	2139.8	41.0
0°-60°	3966.1	75.9
0°-90°	5225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1534	1534	1534	1534	1534	
5°	1534	1534	1527	1536	1538	146
15°	1512	1514	1514	1527	1529	427
25°	1462	1467	1480	1497	1504	674
35°	1367	1382	1406	1432	1436	856
45°	1180	1201	1236	1270	1283	910
55°	904	930	982	1027	1044	807
65°	612	643	714	766	779	604
75°	313	358	436	494	505	331
85°	63	99	108	108	101	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1534.4	1534.4	1534.4	1534.4	1534.4
2.5°	1536.2	1536.2	1528.8	1538.1	1538.1
5°	1534.4	1534.4	1526.9	1536.2	1538.1
7.5°	1528.8	1530.6	1525.0	1534.4	1536.2
10°	1525.0	1526.9	1523.2	1532.5	1534.4
12.5°	1519.5	1521.3	1519.5	1530.6	1532.5
15°	1512.0	1513.9	1513.9	1526.9	1528.8
17.5°	1498.9	1502.7	1506.4	1521.3	1523.2
20°	1487.8	1491.5	1497.1	1513.9	1515.7
22.5°	1476.6	1480.3	1487.8	1508.3	1510.1
25°	1461.7	1467.3	1480.3	1497.1	1504.5
27.5°	1443.0	1454.2	1465.4	1485.9	1493.4
30°	1422.5	1433.7	1450.5	1472.8	1478.4
32.5°	1400.1	1411.3	1430.0	1454.2	1459.8
35°	1366.6	1381.5	1405.7	1431.8	1435.6
37.5°	1336.7	1351.7	1377.8	1405.7	1411.3
40°	1295.7	1314.4	1342.3	1368.4	1379.6
42.5°	1247.3	1265.9	1295.7	1327.4	1338.6
45°	1180.1	1200.6	1236.1	1269.6	1282.7
47.5°	1114.9	1133.5	1172.7	1211.8	1221.2
50°	1045.9	1068.3	1111.2	1152.2	1161.5
52.5°	973.2	1001.2	1047.8	1090.7	1105.6
55°	904.2	930.3	982.5	1027.3	1044.0
57.5°	827.8	859.5	917.3	965.7	980.7
60°	760.7	788.6	850.1	900.5	915.4
62.5°	682.4	715.9	783.0	833.4	846.4
65°	611.5	643.2	714.0	766.3	779.3
67.5°	535.1	572.4	643.2	697.3	717.8
70°	460.5	499.6	574.2	630.2	650.7
72.5°	385.9	428.8	503.4	561.2	587.3
75°	313.2	358.0	436.3	494.1	505.2
77.5°	240.5	290.8	365.4	406.4	406.4
80°	173.4	223.7	289.0	300.2	309.5
82.5°	115.6	162.2	197.6	208.8	210.7
85°	63.4	98.8	108.1	108.1	100.7
87.5°	24.2	31.7	22.4	11.2	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)