

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: P302399

Luminaire Tested: **RX-WO-70L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302399
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-70L935-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: 5563.9 lumens
Efficiency: N/A
Efficacy: 109.1 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

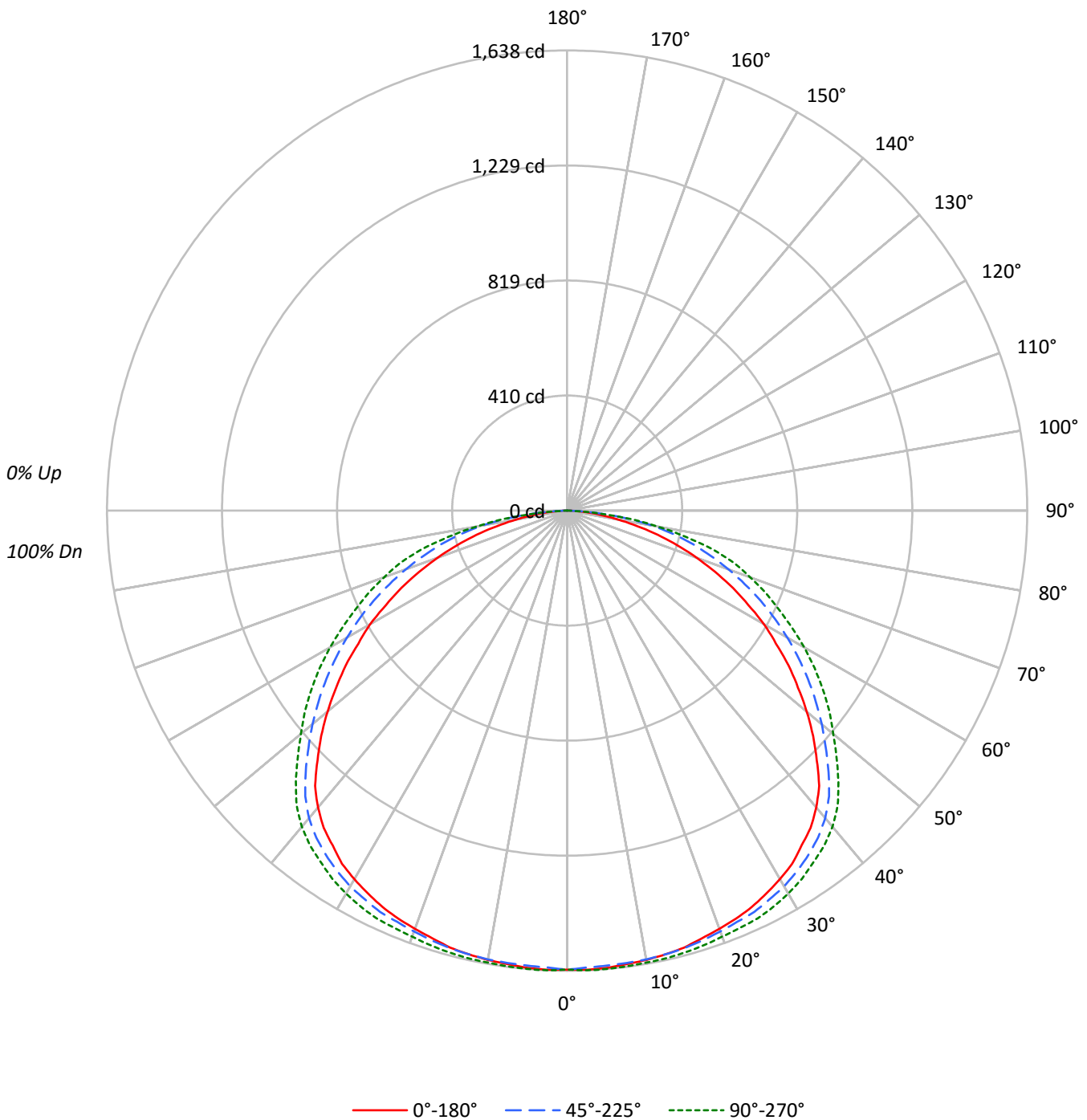
Input Watts (W): 51
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2198	2198	2198
5°	2207	2196	2212
10°	2219	2216	2232
15°	2243	2246	2268
20°	2268	2283	2311
25°	2311	2340	2378
30°	2353	2400	2446
35°	2390	2459	2511
40°	2423	2511	2580
45°	2391	2504	2599
50°	2331	2477	2589
55°	2259	2454	2608
60°	2180	2436	2623
65°	2073	2421	2642
70°	1929	2406	2726
75°	1734	2415	2797
80°	1430	2384	2554
85°	1042	1777	1655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.7	2.8
10°-20°	457.5	8.2
20°-30°	728.7	13.1
30°-40°	936.8	16.8
40°-50°	1013.0	18.2
50°-60°	931.8	16.7
60°-70°	742.9	13.4
70°-80°	472.0	8.5
80°-90°	125.7	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°	1341.8	24.1
0°-40°	2278.6	41.0
0°-60°	4223.4	75.9
0°-90°	5563.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5563.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1634	1634	1634	1634	1634	
5°	1634	1634	1626	1636	1638	156
15°	1610	1612	1612	1626	1628	455
25°	1556	1562	1576	1594	1602	718
35°	1455	1471	1497	1525	1529	912
45°	1257	1278	1316	1352	1366	969
55°	963	991	1046	1094	1112	859
65°	651	685	760	816	830	643
75°	334	381	465	526	538	353
85°	68	105	115	115	107	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1633.9	1633.9	1633.9	1633.9	1633.9
2.5°	1635.9	1635.9	1627.9	1637.9	1637.9
5°	1633.9	1633.9	1626.0	1635.9	1637.9
7.5°	1627.9	1629.9	1624.0	1633.9	1635.9
10°	1624.0	1626.0	1622.0	1631.9	1633.9
12.5°	1618.0	1620.0	1618.0	1629.9	1631.9
15°	1610.1	1612.1	1612.1	1626.0	1627.9
17.5°	1596.2	1600.1	1604.1	1620.0	1622.0
20°	1584.3	1588.2	1594.2	1612.1	1614.0
22.5°	1572.3	1576.3	1584.3	1606.1	1608.1
25°	1556.5	1562.4	1576.3	1594.2	1602.1
27.5°	1536.6	1548.5	1560.4	1582.3	1590.2
30°	1514.8	1526.7	1544.6	1568.4	1574.3
32.5°	1491.0	1502.9	1522.7	1548.5	1554.5
35°	1455.2	1471.1	1496.9	1524.7	1528.7
37.5°	1423.5	1439.3	1467.1	1496.9	1502.9
40°	1379.8	1399.6	1429.4	1457.2	1469.1
42.5°	1328.2	1348.0	1379.8	1413.5	1425.4
45°	1256.7	1278.5	1316.2	1352.0	1365.9
47.5°	1187.2	1207.1	1248.7	1290.4	1300.4
50°	1113.7	1137.6	1183.2	1226.9	1236.8
52.5°	1036.3	1066.1	1115.7	1161.4	1177.3
55°	962.9	990.7	1046.2	1093.9	1111.8
57.5°	881.5	915.2	976.8	1028.4	1044.3
60°	810.0	839.8	905.3	958.9	974.8
62.5°	726.6	762.4	833.8	887.4	901.3
65°	651.2	684.9	760.4	816.0	829.9
67.5°	569.8	609.5	684.9	742.5	764.3
70°	490.4	532.1	611.5	671.0	692.9
72.5°	411.0	456.6	536.0	597.6	625.4
75°	333.5	381.2	464.6	526.1	538.0
77.5°	256.1	309.7	389.1	432.8	432.8
80°	184.6	238.2	307.7	319.6	329.6
82.5°	123.1	172.7	210.4	222.4	224.3
85°	67.5	105.2	115.1	115.1	107.2
87.5°	25.8	33.7	23.8	11.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)