

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: P302181

Luminaire Tested: **RX-WO-24L930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-24L930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

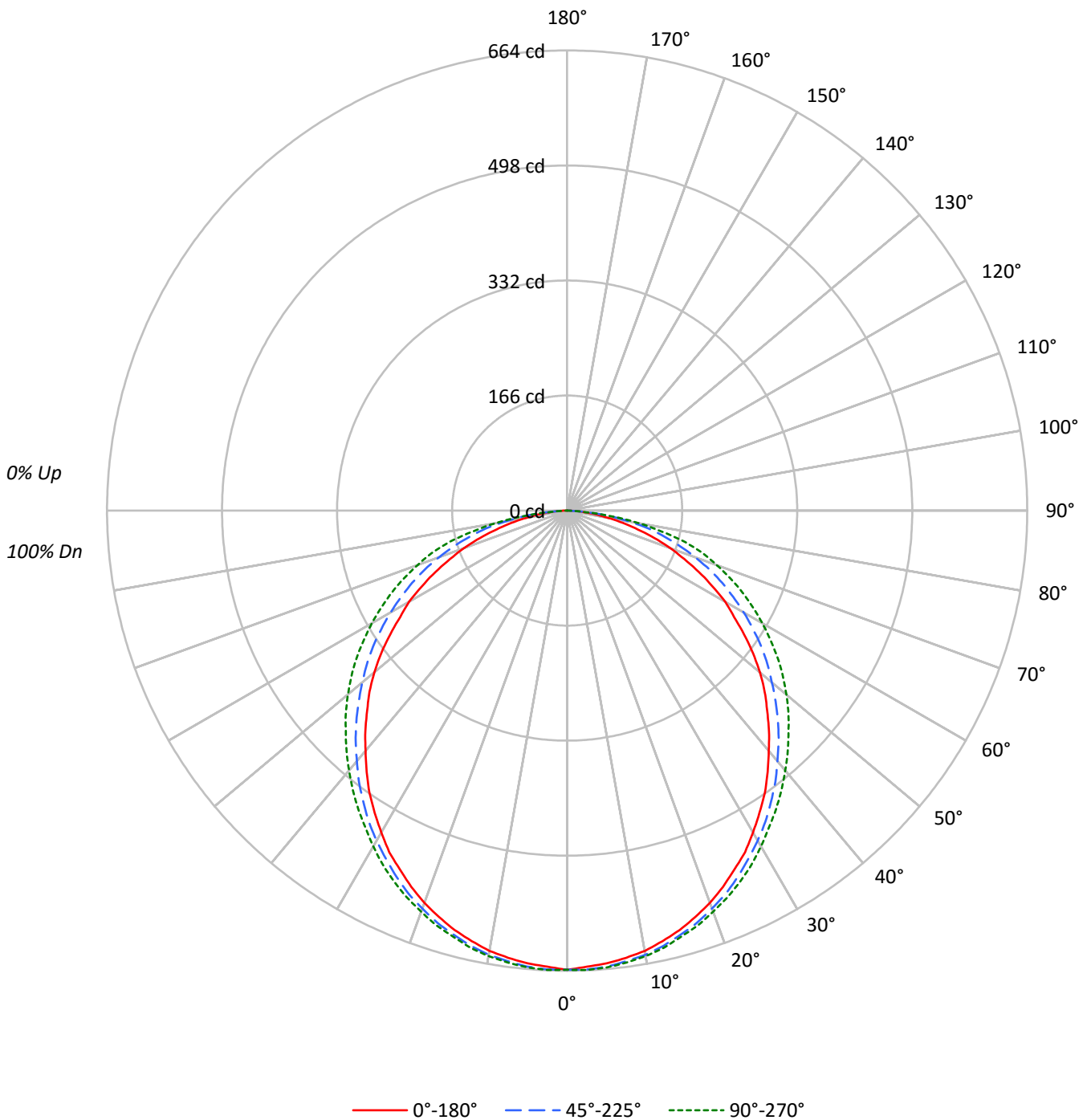
Lumens per Lamp: N/A
Luminaire Lumens: 1896.9 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
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



TEST NUMBER: P302181
CATALOG NUMBER: RX-WO-24L930-UNV-22-STD

Luminous Intensity Polar Plot





TEST NUMBER: P302181

CATALOG NUMBER: RX-WO-24L930-UNV-22-STD

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	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					100			
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69					69			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1783	1783	1783
5°	1771	1784	1787
10°	1763	1779	1784
15°	1746	1765	1773
20°	1725	1750	1764
25°	1696	1731	1754
30°	1666	1709	1739
35°	1634	1685	1727
40°	1590	1658	1720
45°	1553	1638	1719
50°	1521	1615	1729
55°	1463	1605	1741
60°	1417	1584	1751
65°	1336	1571	1775
70°	1246	1544	1804
75°	1101	1515	1838
80°	919	1415	1641
85°	689	960	871



TEST NUMBER: P302181

CATALOG NUMBER: RX-WO-24L930-UNV-22-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	3.3
10°-20°	178.5	9.4
20°-30°	268.2	14.1
30°-40°	320.5	16.9
40°-50°	332.3	17.5
50°-60°	305.2	16.1
60°-70°	242.4	12.8
70°-80°	150.5	7.9
80°-90°	36.8	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°	509.3	26.9
0°-40°	829.8	43.7
0°-60°	1467.3	77.4
0°-90°	1896.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1896.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	663	663	663	663	663	
5°	656	658	661	662	662	62
15°	627	629	633	636	636	177
25°	571	575	583	590	591	263
35°	497	502	513	523	526	311
45°	408	414	430	447	452	315
55°	312	320	342	363	371	279
65°	210	220	247	270	279	208
75°	106	120	146	168	177	113
85°	22	27	31	30	28	28
90°	0	0	0	0	0	



TEST NUMBER: P302181

CATALOG NUMBER: RX-WO-24L930-UNV-22-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	662.6	662.6	662.6	662.6	662.6
2.5°	658.7	659.6	662.6	664.5	663.5
5°	655.8	657.7	660.6	661.6	661.6
7.5°	650.9	652.8	655.8	657.7	657.7
10°	645.1	647.0	650.9	652.8	652.8
12.5°	636.3	638.3	643.1	645.1	646.0
15°	626.6	628.6	633.4	636.3	636.3
17.5°	615.0	617.9	623.7	626.6	627.6
20°	602.3	605.2	611.1	615.0	615.9
22.5°	587.7	590.7	598.4	603.3	604.3
25°	571.2	575.1	582.9	589.7	590.7
27.5°	555.7	558.6	566.4	573.2	576.1
30°	536.3	541.1	549.9	557.6	559.6
32.5°	516.8	522.7	532.4	541.1	542.1
35°	497.4	502.3	512.9	522.7	525.6
37.5°	475.1	479.9	493.5	504.2	508.1
40°	452.7	459.5	472.1	484.8	489.6
42.5°	431.3	438.1	451.7	466.3	471.2
45°	408.0	413.9	430.4	446.9	451.7
47.5°	386.7	391.5	408.0	427.5	433.3
50°	363.3	367.2	385.7	407.1	412.9
52.5°	338.1	343.9	364.3	385.7	392.5
55°	311.8	319.6	342.0	363.3	371.1
57.5°	285.6	294.4	317.7	341.0	347.8
60°	263.3	269.1	294.4	317.7	325.4
62.5°	236.1	244.8	270.1	294.4	302.1
65°	209.8	219.6	246.8	270.1	278.8
67.5°	182.6	194.3	222.5	244.8	254.5
70°	158.4	170.0	196.2	219.6	229.3
72.5°	132.1	144.8	171.0	195.3	206.0
75°	105.9	119.5	145.7	168.1	176.8
77.5°	82.6	96.2	120.5	136.0	139.9
80°	59.3	70.9	91.3	102.0	105.9
82.5°	39.8	48.6	62.2	66.1	68.0
85°	22.3	27.2	31.1	30.1	28.2
87.5°	9.7	7.8	6.8	2.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)