

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: P302116

Luminaire Tested: **RX-WO-24H935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-24H935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

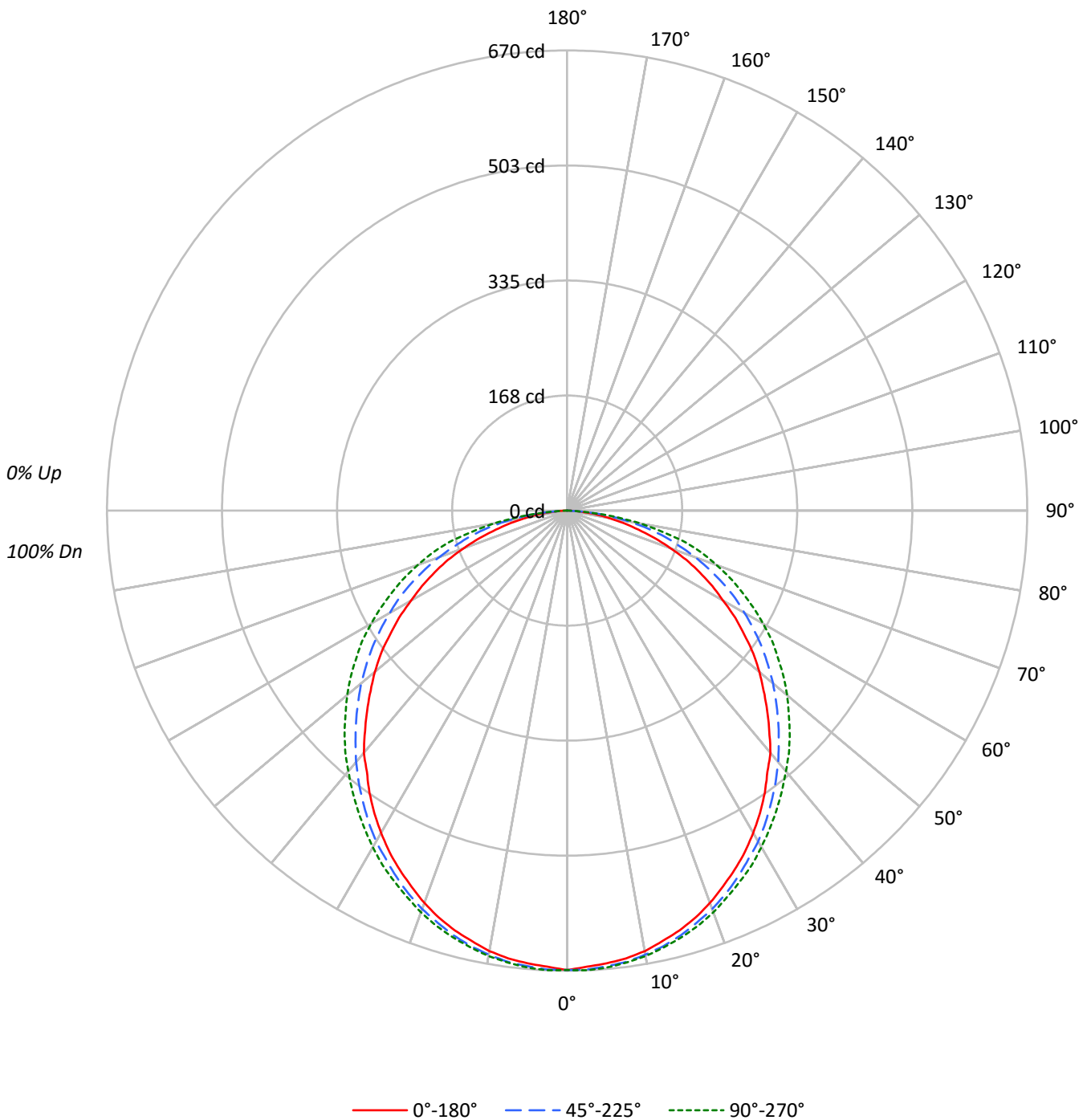
Lumens per Lamp: N/A
Luminaire Lumens: 1917.4 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 17.7
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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1800	1800	1800
5°	1787	1798	1804
10°	1780	1794	1800
15°	1763	1783	1792
20°	1741	1768	1782
25°	1713	1747	1768
30°	1684	1729	1758
35°	1648	1702	1746
40°	1617	1679	1741
45°	1568	1654	1744
50°	1530	1638	1750
55°	1477	1622	1758
60°	1411	1605	1772
65°	1354	1591	1788
70°	1259	1559	1819
75°	1117	1524	1857
80°	944	1424	1680
85°	670	988	957



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	3.3
10°-20°	180.2	9.4
20°-30°	270.8	14.1
30°-40°	324.0	16.9
40°-50°	335.9	17.5
50°-60°	309.0	16.1
60°-70°	245.2	12.8
70°-80°	151.4	7.9
80°-90°	37.6	2.0
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°	514.2	26.8
0°-40°	838.2	43.7
0°-60°	1483.1	77.3
0°-90°	1917.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1917.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	669	669	669	669	669	
5°	662	664	666	668	668	63
15°	633	635	640	643	643	178
25°	577	581	588	595	596	266
35°	502	507	518	528	532	314
45°	412	419	435	452	458	318
55°	315	323	346	370	375	282
65°	213	222	250	274	281	210
75°	107	122	147	169	179	115
85°	22	28	32	32	31	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	668.9	668.9	668.9	668.9	668.9
2.5°	664.8	665.8	668.9	669.9	669.9
5°	661.7	663.7	665.8	667.8	667.8
7.5°	657.5	659.6	662.7	663.7	663.7
10°	651.3	653.4	656.5	658.6	658.6
12.5°	642.0	645.1	649.3	651.3	651.3
15°	632.8	634.8	640.0	643.1	643.1
17.5°	621.4	623.5	628.6	632.8	633.8
20°	608.0	610.0	617.3	621.4	622.4
22.5°	592.5	595.6	603.9	608.0	609.0
25°	577.0	581.1	588.4	594.6	595.6
27.5°	560.5	564.6	571.9	580.1	582.2
30°	541.9	546.0	556.4	563.6	565.7
32.5°	522.3	527.5	537.8	547.1	549.1
35°	501.7	506.8	518.2	528.5	531.6
37.5°	479.0	486.2	498.6	509.9	514.0
40°	460.4	464.5	477.9	491.3	495.5
42.5°	435.6	441.8	456.2	471.7	477.9
45°	411.9	419.1	434.6	452.1	458.3
47.5°	388.1	395.3	412.9	431.5	437.7
50°	365.4	371.6	391.2	411.9	418.1
52.5°	341.7	347.9	368.5	391.2	397.4
55°	314.8	323.1	345.8	369.5	374.7
57.5°	290.1	298.3	322.1	344.8	354.1
60°	262.2	272.5	298.3	321.0	329.3
62.5°	238.4	246.7	275.6	298.3	305.5
65°	212.6	221.9	249.8	273.5	280.8
67.5°	187.9	197.2	224.0	247.7	257.0
70°	160.0	170.3	198.2	221.9	231.2
72.5°	134.2	146.6	171.3	196.1	206.4
75°	107.4	121.8	146.6	169.3	178.6
77.5°	83.6	96.0	119.7	135.2	140.4
80°	60.9	73.3	91.9	102.2	108.4
82.5°	41.3	48.5	63.0	70.2	70.2
85°	21.7	27.9	32.0	32.0	31.0
87.5°	7.2	8.3	6.2	3.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)