

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: P302187

Luminaire Tested: **RX-WO-24L935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302187
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-24L935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

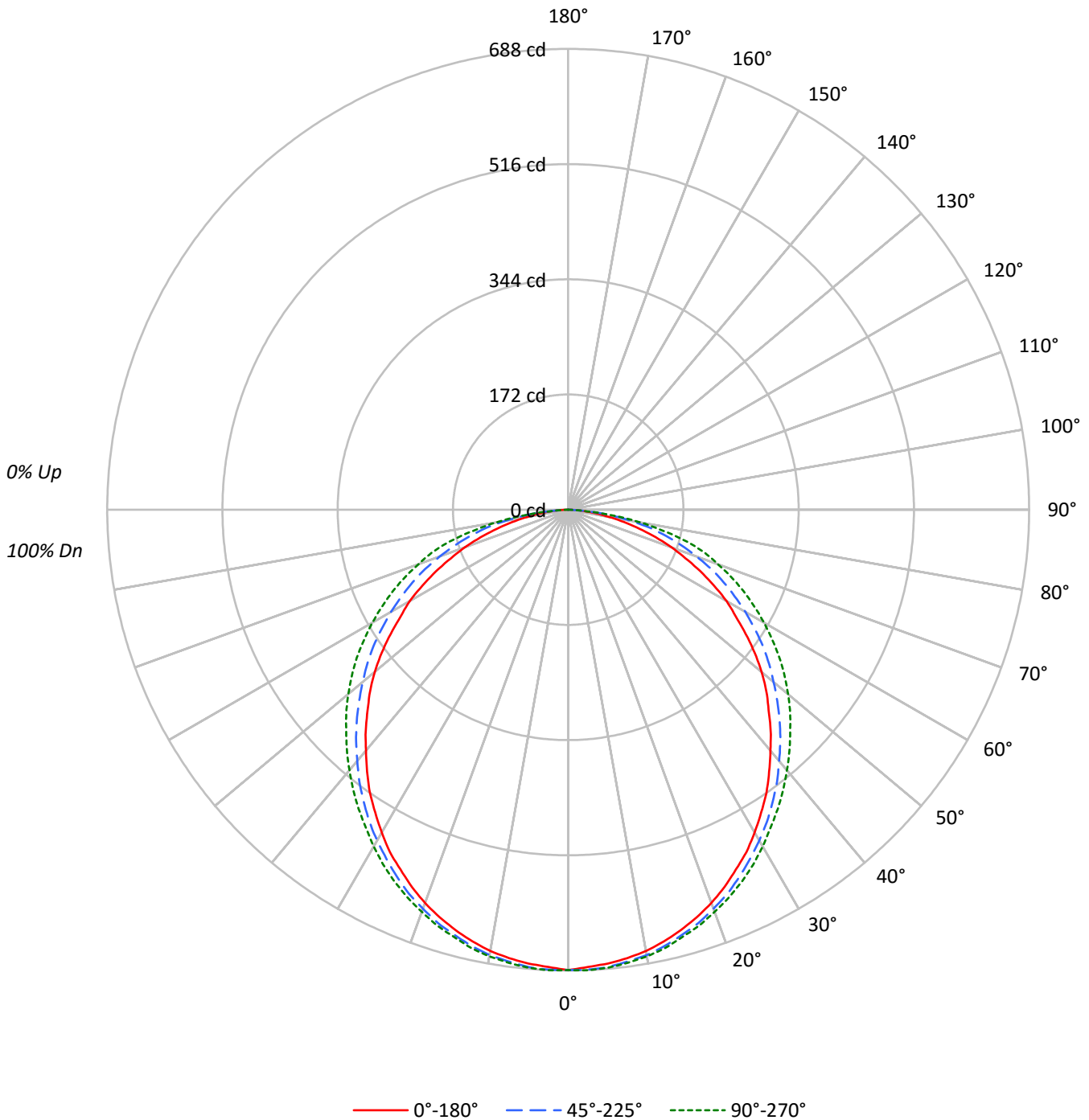
Lumens per Lamp: N/A
Luminaire Lumens: 1967.6 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
Input Voltage (V): 120
Input Current (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	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	46	57	50	45	55	49	45	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	53	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°	1850	1850	1850
5°	1837	1851	1854
10°	1828	1845	1850
15°	1811	1830	1839
20°	1789	1815	1830
25°	1759	1795	1819
30°	1729	1772	1804
35°	1695	1748	1791
40°	1650	1721	1784
45°	1611	1699	1783
50°	1578	1675	1793
55°	1518	1664	1806
60°	1470	1643	1817
65°	1386	1630	1841
70°	1293	1602	1871
75°	1142	1572	1907
80°	953	1468	1702
85°	716	994	902



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	3.3
10°-20°	185.1	9.4
20°-30°	278.2	14.1
30°-40°	332.4	16.9
40°-50°	344.7	17.5
50°-60°	316.6	16.1
60°-70°	251.4	12.8
70°-80°	156.1	7.9
80°-90°	38.1	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°	528.3	26.9
0°-40°	860.7	43.7
0°-60°	1522.0	77.4
0°-90°	1967.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1967.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	687	687	687	687	687	
5°	680	682	685	686	686	65
15°	650	652	657	660	660	183
25°	592	597	605	612	613	273
35°	516	521	532	542	545	322
45°	423	429	446	464	469	327
55°	324	332	355	377	385	290
65°	218	228	256	280	289	215
75°	110	124	151	174	183	117
85°	23	28	32	31	29	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	687.3	687.3	687.3	687.3	687.3
2.5°	683.2	684.2	687.3	689.3	688.3
5°	680.2	682.2	685.3	686.3	686.3
7.5°	675.2	677.2	680.2	682.2	682.2
10°	669.1	671.1	675.2	677.2	677.2
12.5°	660.1	662.1	667.1	669.1	670.1
15°	650.0	652.0	657.0	660.1	660.1
17.5°	637.9	640.9	647.0	650.0	651.0
20°	624.8	627.8	633.9	637.9	638.9
22.5°	609.7	612.7	620.8	625.8	626.8
25°	592.5	596.6	604.6	611.7	612.7
27.5°	576.4	579.4	587.5	594.6	597.6
30°	556.3	561.3	570.4	578.4	580.5
32.5°	536.1	542.2	552.2	561.3	562.3
35°	516.0	521.0	532.1	542.2	545.2
37.5°	492.8	497.8	511.9	523.0	527.0
40°	469.6	476.7	489.8	502.9	507.9
42.5°	447.4	454.5	468.6	483.7	488.7
45°	423.2	429.3	446.4	463.6	468.6
47.5°	401.1	406.1	423.2	443.4	449.4
50°	376.9	380.9	400.1	422.2	428.3
52.5°	350.7	356.7	377.9	400.1	407.1
55°	323.5	331.5	354.7	376.9	385.0
57.5°	296.3	305.3	329.5	353.7	360.8
60°	273.1	279.1	305.3	329.5	337.6
62.5°	244.9	253.9	280.1	305.3	313.4
65°	217.7	227.7	256.0	280.1	289.2
67.5°	189.5	201.5	230.8	253.9	264.0
70°	164.3	176.4	203.6	227.7	237.8
72.5°	137.1	150.2	177.4	202.6	213.6
75°	109.8	124.0	151.2	174.3	183.4
77.5°	85.7	99.8	125.0	141.1	145.1
80°	61.5	73.6	94.7	105.8	109.8
82.5°	41.3	50.4	64.5	68.5	70.5
85°	23.2	28.2	32.2	31.2	29.2
87.5°	10.1	8.1	7.1	3.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)