

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: P302222

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-24L935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1994.3 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

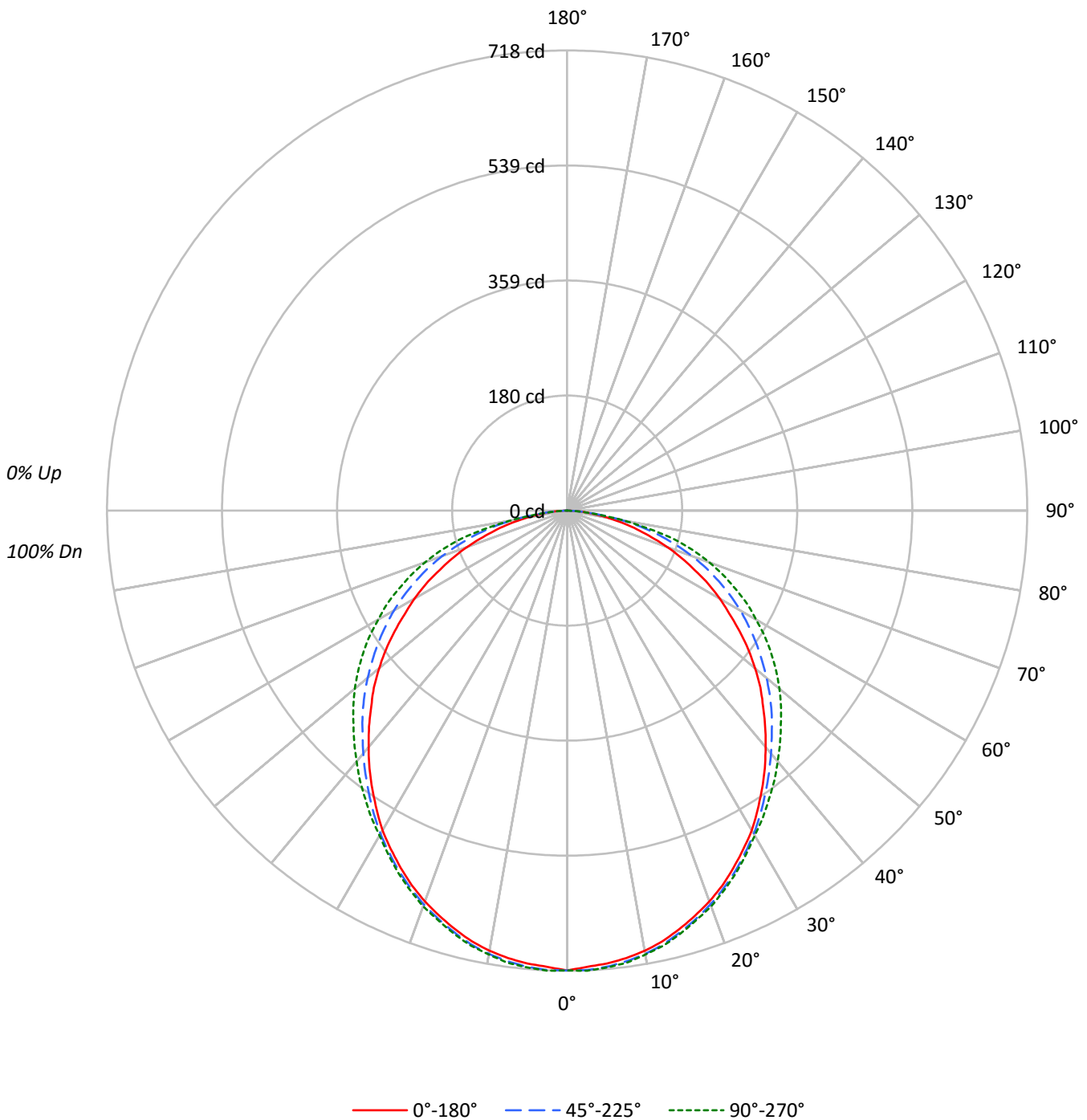
Input Watts (W): 19.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1931	1931	1931
5°	1916	1930	1933
10°	1905	1919	1922
15°	1884	1898	1903
20°	1859	1873	1881
25°	1825	1843	1852
30°	1791	1810	1819
35°	1741	1771	1804
40°	1692	1738	1795
45°	1645	1718	1795
50°	1603	1700	1810
55°	1541	1688	1825
60°	1481	1681	1833
65°	1399	1662	1848
70°	1308	1633	1855
75°	1174	1550	1791
80°	984	1359	1375
85°	778	778	624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	3.4
10°-20°	191.9	9.6
20°-30°	285.6	14.3
30°-40°	337.8	16.9
40°-50°	349.0	17.5
50°-60°	320.9	16.1
60°-70°	255.2	12.8
70°-80°	152.9	7.7
80°-90°	33.3	1.7
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°	545.2	27.3
0°-40°	882.9	44.3
0°-60°	1552.9	77.9
0°-90°	1994.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1994.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	709	712	714	716	716	67
15°	676	678	681	683	683	191
25°	615	617	621	624	624	283
35°	530	533	539	546	549	332
45°	432	436	452	468	472	334
55°	328	336	360	382	389	294
65°	220	233	261	284	290	218
75°	113	128	149	166	172	120
85°	25	27	25	23	20	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	717.5	717.5	717.5	717.5	717.5
2.5°	712.5	714.5	717.5	718.5	718.5
5°	709.4	711.5	714.5	715.5	715.5
7.5°	704.4	706.4	709.4	710.4	711.5
10°	697.3	699.4	702.4	703.4	703.4
12.5°	688.3	689.3	693.3	694.3	695.3
15°	676.2	678.2	681.2	683.2	683.2
17.5°	663.1	665.1	668.1	670.1	670.1
20°	649.0	651.0	654.0	656.0	657.0
22.5°	632.9	634.9	637.9	640.9	640.9
25°	614.7	616.7	620.8	623.8	623.8
27.5°	595.6	597.6	601.6	604.6	604.6
30°	576.4	577.4	582.5	584.5	585.5
32.5°	553.2	556.3	561.3	565.3	568.4
35°	530.1	533.1	539.1	546.2	549.2
37.5°	506.9	509.9	517.0	527.0	531.1
40°	481.7	485.7	494.8	507.9	510.9
42.5°	457.5	462.5	472.6	487.7	491.8
45°	432.3	436.3	451.5	467.6	471.6
47.5°	409.1	412.2	429.3	447.4	452.5
50°	382.9	387.0	406.1	426.3	432.3
52.5°	356.7	361.8	382.9	404.1	411.2
55°	328.5	335.6	359.8	381.9	389.0
57.5°	300.3	310.4	335.6	357.7	365.8
60°	275.1	284.2	312.4	333.6	340.6
62.5°	248.9	259.0	287.2	308.4	317.4
65°	219.7	232.8	261.0	284.2	290.2
67.5°	193.5	206.6	234.8	256.0	264.0
70°	166.3	181.4	207.6	226.7	235.8
72.5°	138.1	154.2	177.4	197.5	206.6
75°	112.9	128.0	149.1	166.3	172.3
77.5°	87.7	101.8	118.9	129.0	131.0
80°	63.5	74.6	87.7	89.7	88.7
82.5°	42.3	50.4	54.4	52.4	52.4
85°	25.2	27.2	25.2	23.2	20.2
87.5°	9.1	8.1	6.0	4.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)