

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: P302216

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302216
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-24L930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1922.6 lumens
Efficiency: N/A
Efficacy: 100.1 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

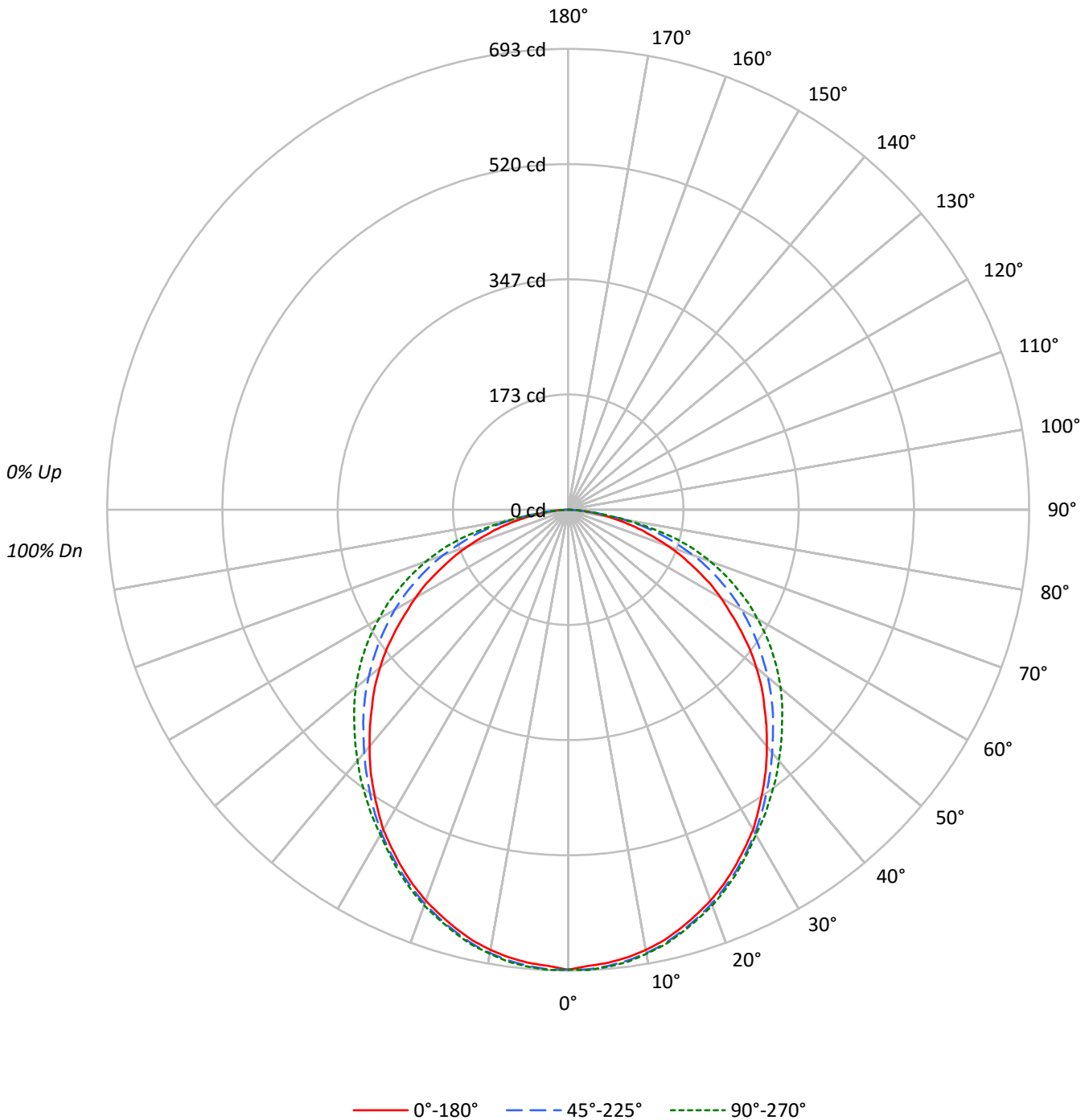
Input Watts (W): 19.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1861	1861	1861
5°	1847	1861	1863
10°	1837	1850	1853
15°	1816	1830	1835
20°	1792	1806	1814
25°	1760	1777	1786
30°	1727	1745	1754
35°	1679	1707	1739
40°	1631	1676	1730
45°	1586	1656	1730
50°	1546	1639	1745
55°	1486	1627	1759
60°	1427	1621	1767
65°	1349	1602	1782
70°	1261	1574	1788
75°	1131	1495	1727
80°	948	1309	1325
85°	750	750	599



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	3.4
10°-20°	185.0	9.6
20°-30°	275.3	14.3
30°-40°	325.6	16.9
40°-50°	336.5	17.5
50°-60°	309.4	16.1
60°-70°	246.0	12.8
70°-80°	147.4	7.7
80°-90°	32.1	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°	525.6	27.3
0°-40°	851.2	44.3
0°-60°	1497.1	77.9
0°-90°	1922.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1922.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	692	692	692	692	692	
5°	684	686	689	690	690	65
15°	652	654	657	659	659	184
25°	593	595	598	601	601	273
35°	511	514	520	526	530	320
45°	417	421	435	451	455	322
55°	317	324	347	368	375	283
65°	212	224	252	274	280	211
75°	109	123	144	160	166	115
85°	24	26	24	22	19	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	691.7	691.7	691.7	691.7	691.7
2.5°	686.8	688.8	691.7	692.7	692.7
5°	683.9	685.9	688.8	689.8	689.8
7.5°	679.1	681.0	683.9	684.9	685.9
10°	672.3	674.2	677.1	678.1	678.1
12.5°	663.5	664.5	668.4	669.4	670.3
15°	651.9	653.8	656.7	658.7	658.7
17.5°	639.2	641.2	644.1	646.0	646.0
20°	625.6	627.6	630.5	632.4	633.4
22.5°	610.1	612.0	615.0	617.9	617.9
25°	592.6	594.6	598.4	601.4	601.4
27.5°	574.1	576.1	580.0	582.9	582.9
30°	555.7	556.7	561.5	563.5	564.4
32.5°	533.3	536.3	541.1	545.0	547.9
35°	511.0	513.9	519.7	526.5	529.5
37.5°	488.7	491.6	498.4	508.1	512.0
40°	464.4	468.3	477.0	489.6	492.5
42.5°	441.1	445.9	455.6	470.2	474.1
45°	416.8	420.7	435.2	450.8	454.7
47.5°	394.4	397.3	413.9	431.3	436.2
50°	369.2	373.1	391.5	410.9	416.8
52.5°	343.9	348.8	369.2	389.6	396.4
55°	316.7	323.5	346.8	368.2	375.0
57.5°	289.5	299.2	323.5	344.9	352.7
60°	265.2	274.0	301.2	321.6	328.4
62.5°	240.0	249.7	276.9	297.3	306.0
65°	211.8	224.4	251.6	274.0	279.8
67.5°	186.5	199.2	226.4	246.8	254.5
70°	160.3	174.9	200.1	218.6	227.3
72.5°	133.1	148.6	171.0	190.4	199.2
75°	108.8	123.4	143.8	160.3	166.1
77.5°	84.5	98.1	114.6	124.4	126.3
80°	61.2	71.9	84.5	86.5	85.5
82.5°	40.8	48.6	52.5	50.5	50.5
85°	24.3	26.2	24.3	22.3	19.4
87.5°	8.7	7.8	5.8	3.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)