

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: P302217

Luminaire Tested: **ZX-WO-29L930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302217
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-29L930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

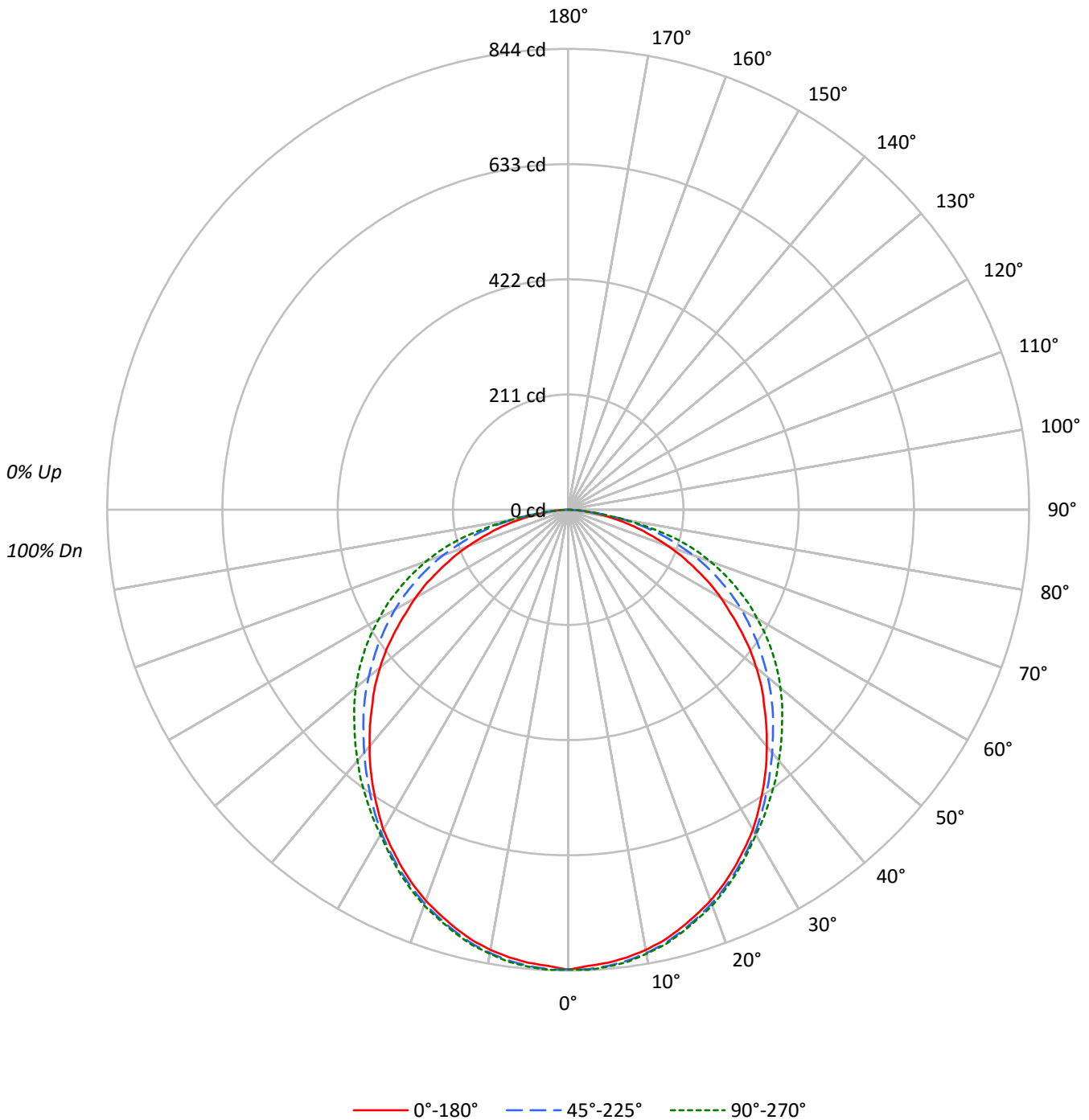
Lumens per Lamp: N/A
Luminaire Lumens: 2341.1 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 22.2
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	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°	2267	2267	2267
5°	2250	2266	2269
10°	2237	2253	2256
15°	2211	2228	2235
20°	2182	2199	2209
25°	2143	2164	2174
30°	2103	2125	2136
35°	2044	2079	2118
40°	1987	2041	2107
45°	1931	2017	2107
50°	1882	1996	2125
55°	1810	1981	2142
60°	1738	1974	2152
65°	1642	1951	2169
70°	1536	1917	2178
75°	1378	1821	2103
80°	1155	1595	1613
85°	914	914	732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	3.4
10°-20°	225.3	9.6
20°-30°	335.2	14.3
30°-40°	396.5	16.9
40°-50°	409.7	17.5
50°-60°	376.7	16.1
60°-70°	299.6	12.8
70°-80°	179.4	7.7
80°-90°	39.1	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°	640.0	27.3
0°-40°	1036.5	44.3
0°-60°	1823.0	77.9
0°-90°	2341.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2341.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	842	842	842	842	842	
5°	833	835	839	840	840	79
15°	794	796	800	802	802	224
25°	722	724	729	732	732	332
35°	622	626	633	641	645	389
45°	508	512	530	549	554	392
55°	386	394	422	448	457	345
65°	258	273	306	334	341	256
75°	132	150	175	195	202	140
85°	30	32	30	27	24	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	842.3	842.3	842.3	842.3	842.3
2.5°	836.4	838.8	842.3	843.5	843.5
5°	832.8	835.2	838.8	839.9	839.9
7.5°	826.9	829.3	832.8	834.0	835.2
10°	818.6	821.0	824.6	825.7	825.7
12.5°	808.0	809.2	813.9	815.1	816.3
15°	793.8	796.2	799.7	802.1	802.1
17.5°	778.4	780.8	784.3	786.7	786.7
20°	761.9	764.2	767.8	770.1	771.3
22.5°	742.9	745.3	748.9	752.4	752.4
25°	721.6	724.0	728.7	732.3	732.3
27.5°	699.2	701.5	706.3	709.8	709.8
30°	676.7	677.9	683.8	686.2	687.3
32.5°	649.5	653.0	658.9	663.7	667.2
35°	622.3	625.8	632.9	641.2	644.7
37.5°	595.1	598.6	606.9	618.7	623.5
40°	565.5	570.2	580.9	596.2	599.8
42.5°	537.1	543.0	554.8	572.6	577.3
45°	507.5	512.2	530.0	548.9	553.7
47.5°	480.3	483.9	504.0	525.3	531.2
50°	449.5	454.3	476.8	500.4	507.5
52.5°	418.8	424.7	449.5	474.4	482.7
55°	385.7	393.9	422.3	448.4	456.6
57.5°	352.5	364.4	393.9	420.0	429.4
60°	323.0	333.6	366.7	391.6	399.9
62.5°	292.2	304.0	337.2	362.0	372.7
65°	257.9	273.3	306.4	333.6	340.7
67.5°	227.1	242.5	275.6	300.5	310.0
70°	195.2	212.9	243.7	266.2	276.8
72.5°	162.1	181.0	208.2	231.9	242.5
75°	132.5	150.2	175.1	195.2	202.3
77.5°	102.9	119.5	139.6	151.4	153.8
80°	74.5	87.5	102.9	105.3	104.1
82.5°	49.7	59.2	63.9	61.5	61.5
85°	29.6	31.9	29.6	27.2	23.7
87.5°	10.6	9.5	7.1	4.7	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)