

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: P302147

Luminaire Tested: **ZX-WO-29H930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302147
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: ZX-WO-29H930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

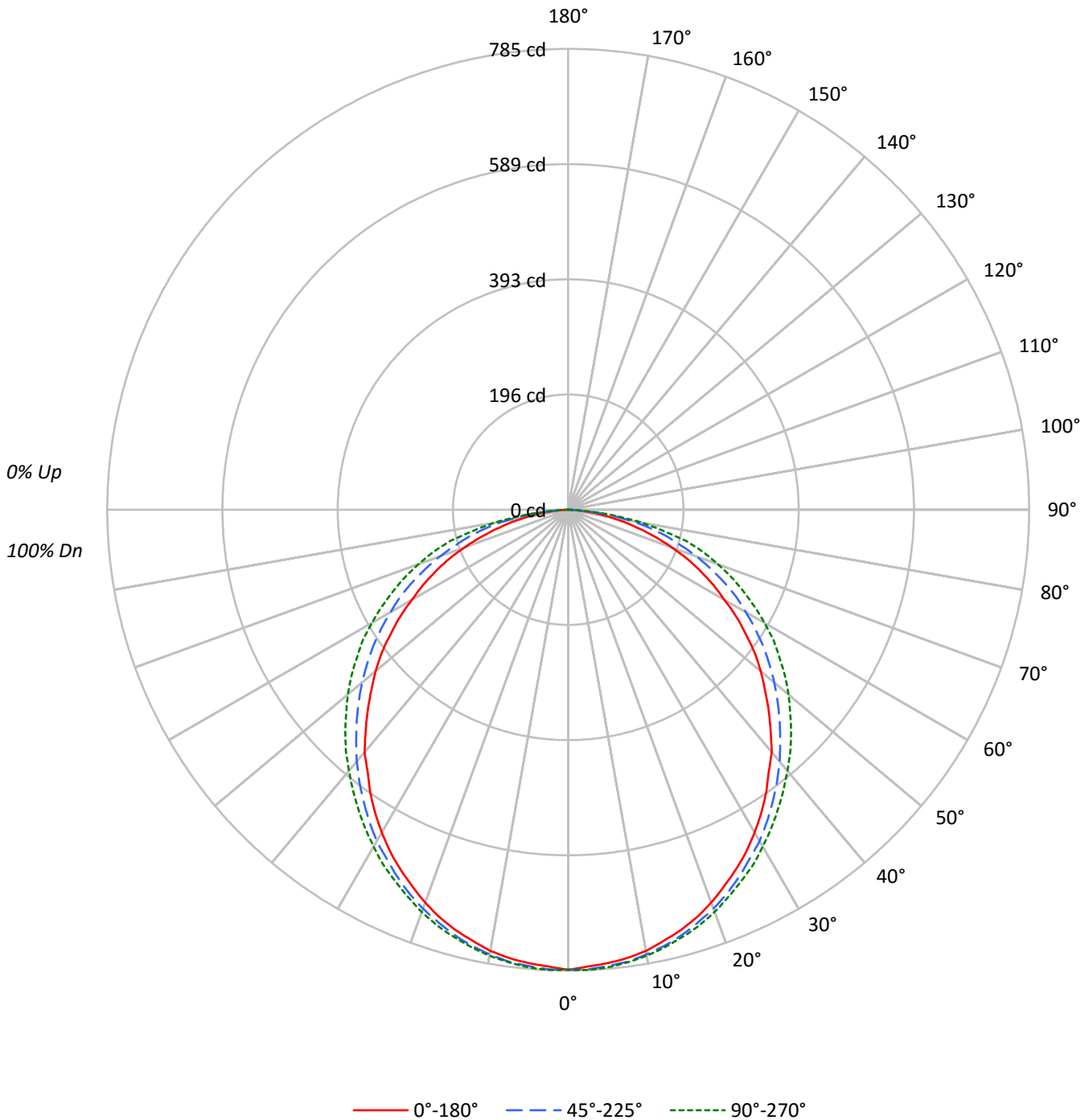
Lumens per Lamp: N/A
Luminaire Lumens: 2246.3 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.1
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°	2109	2109	2109
5°	2094	2107	2113
10°	2085	2102	2108
15°	2065	2089	2099
20°	2040	2071	2088
25°	2007	2047	2072
30°	1973	2025	2059
35°	1931	1994	2046
40°	1894	1967	2039
45°	1836	1937	2043
50°	1792	1919	2051
55°	1730	1901	2060
60°	1653	1881	2076
65°	1586	1864	2094
70°	1474	1827	2131
75°	1308	1785	2175
80°	1105	1667	1968
85°	784	1158	1121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	3.3
10°-20°	211.1	9.4
20°-30°	317.2	14.1
30°-40°	379.5	16.9
40°-50°	393.5	17.5
50°-60°	362.0	16.1
60°-70°	287.3	12.8
70°-80°	177.4	7.9
80°-90°	44.1	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°	602.4	26.8
0°-40°	982.0	43.7
0°-60°	1737.5	77.3
0°-90°	2246.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2246.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	775	778	780	782	782	74
15°	741	744	750	753	753	209
25°	676	681	689	697	698	311
35°	588	594	607	619	623	368
45°	482	491	509	530	537	373
55°	369	378	405	433	439	330
65°	249	260	293	320	329	246
75°	126	143	172	198	209	135
85°	25	33	38	38	36	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	783.6	783.6	783.6	783.6	783.6
2.5°	778.8	780.0	783.6	784.8	784.8
5°	775.2	777.6	780.0	782.4	782.4
7.5°	770.3	772.7	776.4	777.6	777.6
10°	763.1	765.5	769.1	771.5	771.5
12.5°	752.2	755.8	760.7	763.1	763.1
15°	741.3	743.7	749.8	753.4	753.4
17.5°	728.0	730.4	736.5	741.3	742.5
20°	712.3	714.7	723.2	728.0	729.2
22.5°	694.1	697.8	707.4	712.3	713.5
25°	676.0	680.8	689.3	696.6	697.8
27.5°	656.7	661.5	670.0	679.6	682.0
30°	634.9	639.7	651.8	660.3	662.7
32.5°	611.9	618.0	630.0	640.9	643.3
35°	587.7	593.8	607.1	619.2	622.8
37.5°	561.1	569.6	584.1	597.4	602.2
40°	539.3	544.2	559.9	575.6	580.5
42.5°	510.3	517.6	534.5	552.7	559.9
45°	482.5	491.0	509.1	529.7	536.9
47.5°	454.7	463.2	483.7	505.5	512.7
50°	428.1	435.3	458.3	482.5	489.8
52.5°	400.3	407.5	431.7	458.3	465.6
55°	368.8	378.5	405.1	432.9	439.0
57.5°	339.8	349.5	377.3	403.9	414.8
60°	307.2	319.3	349.5	376.1	385.8
62.5°	279.3	289.0	322.9	349.5	358.0
65°	249.1	260.0	292.7	320.5	328.9
67.5°	220.1	231.0	262.4	290.2	301.1
70°	187.4	199.5	232.2	260.0	270.9
72.5°	157.2	171.7	200.7	229.8	241.9
75°	125.8	142.7	171.7	198.3	209.2
77.5°	98.0	112.5	140.3	158.4	164.5
80°	71.3	85.9	107.6	119.7	127.0
82.5°	48.4	56.8	73.8	82.2	82.2
85°	25.4	32.7	37.5	37.5	36.3
87.5°	8.5	9.7	7.3	3.6	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)