

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: P302155

Luminaire Tested: **ZX-WO-39H935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302155
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-39H935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

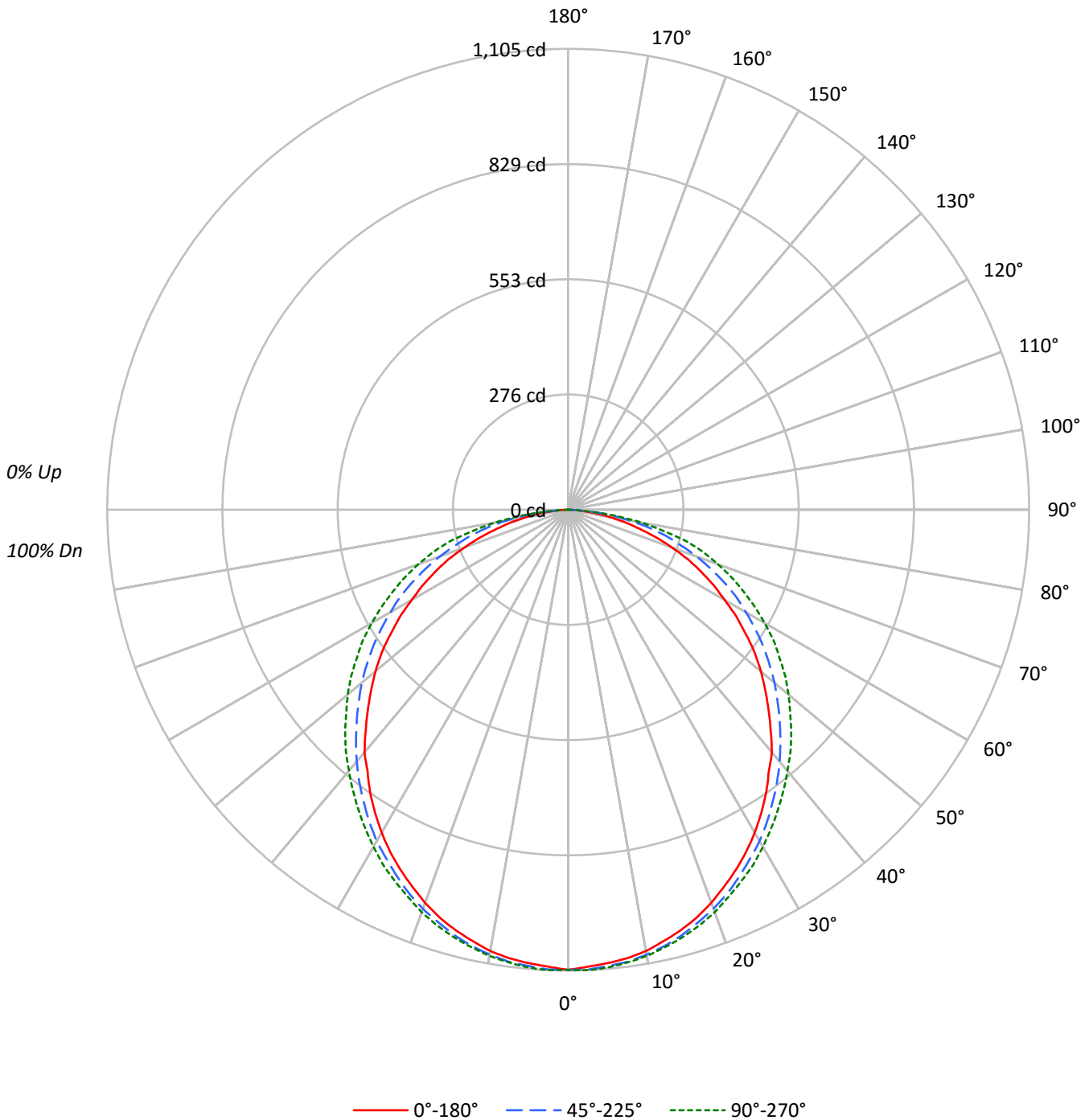
Lumens per Lamp: N/A
Luminaire Lumens: 3163.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.9
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°	2969	2969	2969
5°	2948	2967	2976
10°	2936	2959	2969
15°	2908	2941	2956
20°	2872	2916	2940
25°	2826	2882	2917
30°	2778	2852	2899
35°	2719	2808	2881
40°	2668	2770	2871
45°	2586	2728	2877
50°	2524	2702	2887
55°	2437	2676	2900
60°	2328	2648	2923
65°	2234	2624	2949
70°	2076	2572	3001
75°	1841	2514	3063
80°	1557	2349	2771
85°	1105	1630	1578



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	3.3
10°-20°	297.3	9.4
20°-30°	446.7	14.1
30°-40°	534.4	16.9
40°-50°	554.2	17.5
50°-60°	509.7	16.1
60°-70°	404.5	12.8
70°-80°	249.9	7.9
80°-90°	62.1	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°	848.3	26.8
0°-40°	1382.7	43.7
0°-60°	2446.5	77.3
0°-90°	3163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3163.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1103	1103	1103	1103	1103	
5°	1092	1095	1098	1102	1102	104
15°	1044	1047	1056	1061	1061	294
25°	952	959	971	981	982	439
35°	828	836	855	872	877	518
45°	679	691	717	746	756	525
55°	519	533	570	610	618	465
65°	351	366	412	451	463	347
75°	177	201	242	279	295	189
85°	36	46	53	53	51	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1103.4	1103.4	1103.4	1103.4	1103.4
2.5°	1096.6	1098.3	1103.4	1105.1	1105.1
5°	1091.5	1094.9	1098.3	1101.7	1101.7
7.5°	1084.7	1088.1	1093.2	1094.9	1094.9
10°	1074.5	1077.9	1083.0	1086.4	1086.4
12.5°	1059.2	1064.3	1071.1	1074.5	1074.5
15°	1043.8	1047.2	1055.8	1060.9	1060.9
17.5°	1025.1	1028.5	1037.0	1043.8	1045.5
20°	1003.0	1006.4	1018.3	1025.1	1026.8
22.5°	977.4	982.5	996.2	1003.0	1004.7
25°	951.9	958.7	970.6	980.8	982.5
27.5°	924.6	931.4	943.4	957.0	960.4
30°	894.0	900.8	917.8	929.7	933.1
32.5°	861.6	870.1	887.2	902.5	905.9
35°	827.6	836.1	854.8	871.8	877.0
37.5°	790.1	802.0	822.5	841.2	848.0
40°	759.5	766.3	788.4	810.5	817.4
42.5°	718.6	728.8	752.7	778.2	788.4
45°	679.4	691.3	716.9	745.8	756.1
47.5°	640.3	652.2	681.1	711.8	722.0
50°	602.8	613.0	645.4	679.4	689.6
52.5°	563.6	573.9	607.9	645.4	655.6
55°	519.4	533.0	570.4	609.6	618.1
57.5°	478.5	492.1	531.3	568.7	584.1
60°	432.5	449.5	492.1	529.6	543.2
62.5°	393.4	407.0	454.7	492.1	504.0
65°	350.8	366.1	412.1	451.2	463.2
67.5°	309.9	325.2	369.5	408.7	424.0
70°	263.9	281.0	326.9	366.1	381.4
72.5°	221.4	241.8	282.7	323.5	340.6
75°	177.1	200.9	241.8	279.3	294.6
77.5°	137.9	158.4	197.5	223.1	231.6
80°	100.5	120.9	151.6	168.6	178.8
82.5°	68.1	80.0	103.9	115.8	115.8
85°	35.8	46.0	52.8	52.8	51.1
87.5°	11.9	13.6	10.2	5.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)