

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: P302130

Luminaire Tested: **ZX-WO-34H830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302130
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-34H830-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

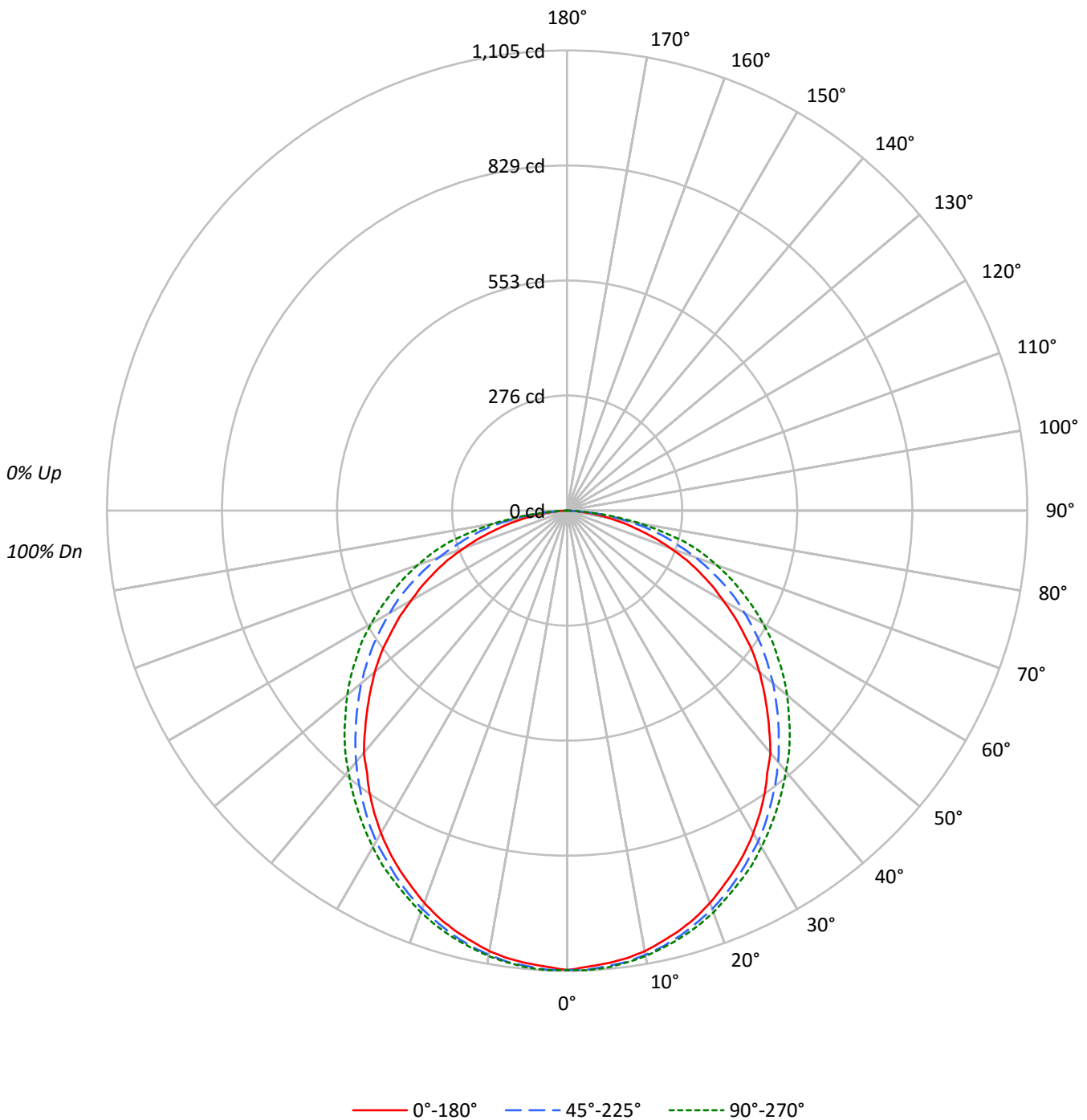
Lumens per Lamp: N/A
Luminaire Lumens: 3162.6 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.5
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	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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69					69			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26					26			
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2969	2969	2969
5°	2948	2967	2976
10°	2936	2959	2968
15°	2908	2941	2955
20°	2872	2916	2940
25°	2826	2882	2917
30°	2778	2852	2899
35°	2718	2808	2880
40°	2668	2769	2871
45°	2585	2728	2877
50°	2523	2701	2887
55°	2436	2676	2899
60°	2328	2648	2923
65°	2233	2623	2949
70°	2076	2572	3001
75°	1841	2514	3063
80°	1557	2348	2771
85°	1105	1630	1578



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	3.3
10°-20°	297.2	9.4
20°-30°	446.6	14.1
30°-40°	534.3	16.9
40°-50°	554.1	17.5
50°-60°	509.6	16.1
60°-70°	404.5	12.8
70°-80°	249.8	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°	848.2	26.8
0°-40°	1382.5	43.7
0°-60°	2446.2	77.3
0°-90°	3162.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3162.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1103	1103	1103	1103	1103	
5°	1091	1095	1098	1102	1102	104
15°	1044	1047	1056	1061	1061	294
25°	952	959	970	981	982	438
35°	828	836	855	872	877	517
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°	1103.3	1103.3	1103.3	1103.3	1103.3
2.5°	1096.5	1098.2	1103.3	1105.0	1105.0
5°	1091.4	1094.8	1098.2	1101.6	1101.6
7.5°	1084.6	1088.0	1093.1	1094.8	1094.8
10°	1074.3	1077.8	1082.9	1086.3	1086.3
12.5°	1059.0	1064.1	1070.9	1074.3	1074.3
15°	1043.7	1047.1	1055.6	1060.7	1060.7
17.5°	1025.0	1028.4	1036.9	1043.7	1045.4
20°	1002.8	1006.2	1018.2	1025.0	1026.7
22.5°	977.3	982.4	996.0	1002.8	1004.5
25°	951.8	958.6	970.5	980.7	982.4
27.5°	924.5	931.3	943.2	956.9	960.3
30°	893.9	900.7	917.7	929.6	933.0
32.5°	861.5	870.0	887.1	902.4	905.8
35°	827.5	836.0	854.7	871.7	876.8
37.5°	790.0	801.9	822.4	841.1	847.9
40°	759.4	766.2	788.3	810.4	817.3
42.5°	718.5	728.7	752.6	778.1	788.3
45°	679.3	691.3	716.8	745.7	756.0
47.5°	640.2	652.1	681.0	711.7	721.9
50°	602.7	612.9	645.3	679.3	689.6
52.5°	563.6	573.8	607.8	645.3	655.5
55°	519.3	532.9	570.4	609.5	618.0
57.5°	478.4	492.1	531.2	568.7	584.0
60°	432.5	449.5	492.1	529.5	543.1
62.5°	393.3	406.9	454.6	492.1	504.0
65°	350.7	366.1	412.0	451.2	463.1
67.5°	309.9	325.2	369.5	408.6	424.0
70°	263.9	280.9	326.9	366.1	381.4
72.5°	221.3	241.8	282.6	323.5	340.5
75°	177.1	200.9	241.8	279.2	294.6
77.5°	137.9	158.3	197.5	223.0	231.6
80°	100.5	120.9	151.5	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)