

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: P302129

Luminaire Tested: **ZX-WO-29H830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302129
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-29H830-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

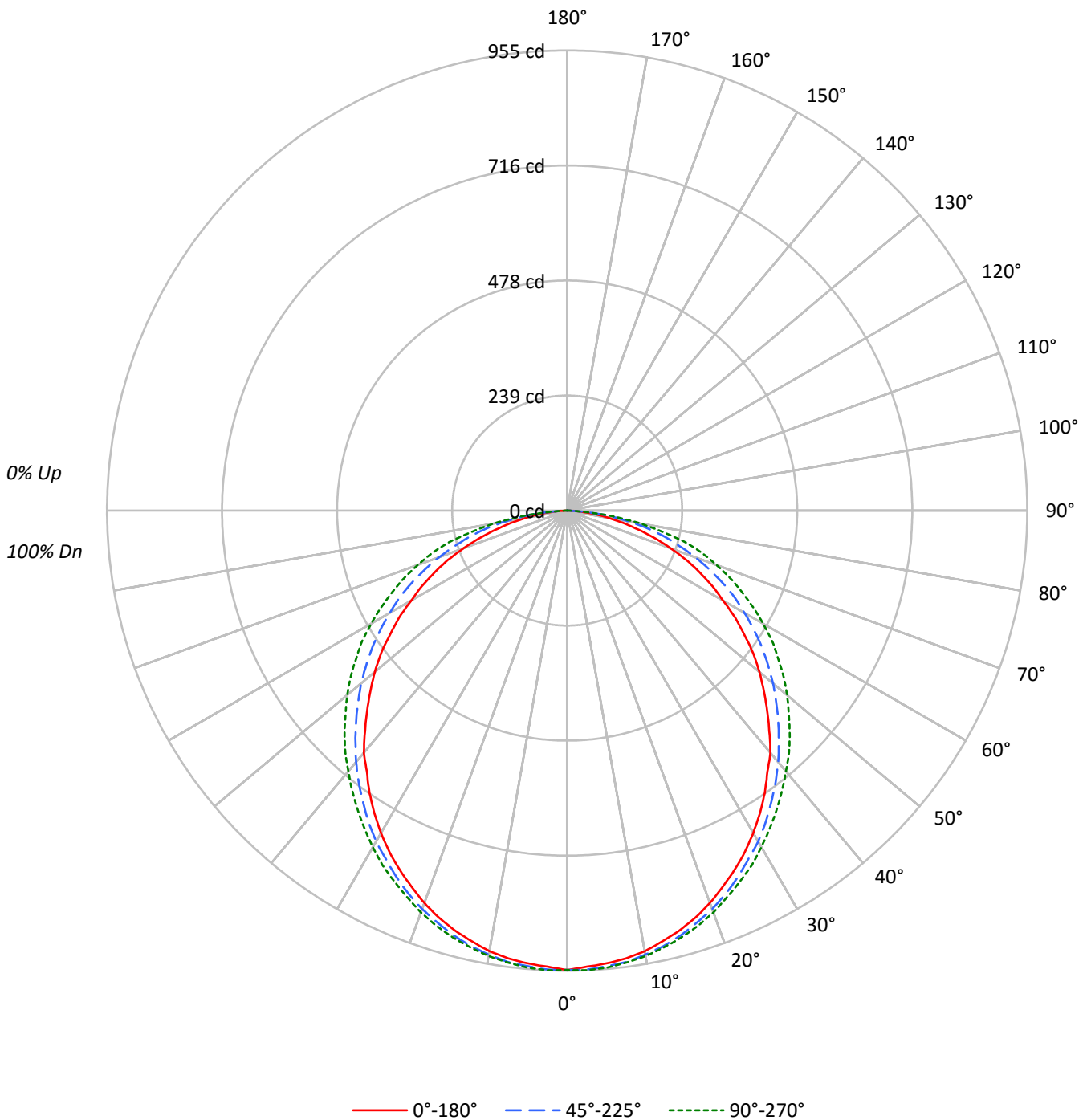
Lumens per Lamp: N/A
Luminaire Lumens: 2733.2 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2566	2566	2566
5°	2548	2564	2572
10°	2537	2557	2565
15°	2513	2542	2554
20°	2482	2520	2541
25°	2442	2490	2521
30°	2400	2464	2505
35°	2349	2427	2489
40°	2305	2393	2481
45°	2234	2358	2486
50°	2181	2335	2495
55°	2106	2312	2506
60°	2011	2288	2526
65°	1930	2267	2548
70°	1795	2223	2593
75°	1591	2172	2647
80°	1345	2030	2394
85°	954	1408	1362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	3.3
10°-20°	256.9	9.4
20°-30°	386.0	14.1
30°-40°	461.8	16.9
40°-50°	478.9	17.5
50°-60°	440.4	16.1
60°-70°	349.5	12.8
70°-80°	215.9	7.9
80°-90°	53.7	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°	733.0	26.8
0°-40°	1194.8	43.7
0°-60°	2114.1	77.3
0°-90°	2733.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2733.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	943	946	949	952	952	90
15°	902	905	912	917	917	254
25°	822	828	839	848	849	379
35°	715	722	739	753	758	447
45°	587	597	620	644	653	454
55°	449	461	493	527	534	402
65°	303	316	356	390	400	300
75°	153	174	209	241	255	164
85°	31	40	46	46	44	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	953.5	953.5	953.5	953.5	953.5
2.5°	947.6	949.1	953.5	955.0	955.0
5°	943.2	946.1	949.1	952.0	952.0
7.5°	937.3	940.2	944.7	946.1	946.1
10°	928.5	931.4	935.8	938.8	938.8
12.5°	915.2	919.6	925.5	928.5	928.5
15°	902.0	904.9	912.3	916.7	916.7
17.5°	885.8	888.7	896.1	902.0	903.5
20°	866.7	869.6	879.9	885.8	887.3
22.5°	844.6	849.0	860.8	866.7	868.1
25°	822.5	828.4	838.7	847.5	849.0
27.5°	799.0	804.9	815.2	826.9	829.9
30°	772.5	778.4	793.1	803.4	806.3
32.5°	744.5	751.9	766.6	779.9	782.8
35°	715.1	722.5	738.7	753.4	757.8
37.5°	682.7	693.0	710.7	726.9	732.8
40°	656.3	662.1	681.3	700.4	706.3
42.5°	620.9	629.8	650.4	672.4	681.3
45°	587.1	597.4	619.5	644.5	653.3
47.5°	553.3	563.6	588.6	615.1	623.9
50°	520.9	529.7	557.7	587.1	595.9
52.5°	487.0	495.9	525.3	557.7	566.5
55°	448.8	460.6	492.9	526.8	534.1
57.5°	413.5	425.2	459.1	491.5	504.7
60°	373.7	388.5	425.2	457.6	469.4
62.5°	339.9	351.7	392.9	425.2	435.5
65°	303.1	316.4	356.1	389.9	400.2
67.5°	267.8	281.0	319.3	353.1	366.4
70°	228.1	242.8	282.5	316.4	329.6
72.5°	191.3	208.9	244.3	279.6	294.3
75°	153.0	173.6	208.9	241.3	254.6
77.5°	119.2	136.8	170.7	192.8	200.1
80°	86.8	104.5	131.0	145.7	154.5
82.5°	58.9	69.2	89.8	100.1	100.1
85°	30.9	39.7	45.6	45.6	44.1
87.5°	10.3	11.8	8.8	4.4	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)