

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: P302087

Luminaire Tested: **ZX-WO-29L940-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-29L940-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (84)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

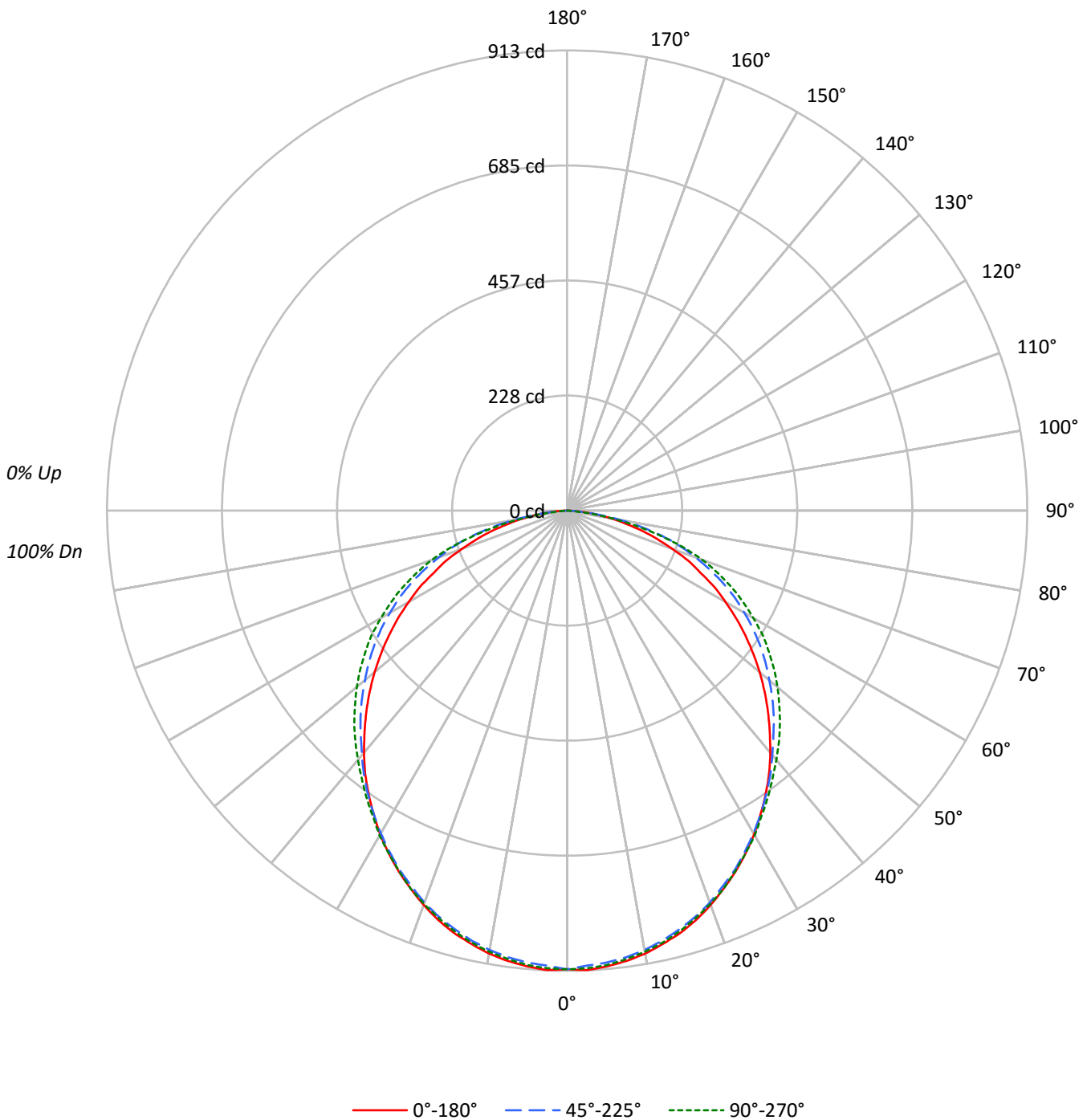
Lumens per Lamp: N/A
Luminaire Lumens: 2548.6 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.3
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	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	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	46	38	32	59	46	38	32	44	37	32		43	36	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°	2449	2449	2449
5°	2452	2431	2445
10°	2439	2419	2429
15°	2417	2396	2407
20°	2385	2371	2378
25°	2347	2336	2343
30°	2305	2297	2313
35°	2257	2261	2281
40°	2203	2225	2269
45°	2144	2206	2273
50°	2088	2192	2281
55°	2024	2193	2293
60°	1953	2187	2295
65°	1857	2175	2294
70°	1746	2128	2246
75°	1581	2035	1970
80°	1353	1643	1449
85°	963	769	232



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	3.4
10°-20°	243.7	9.6
20°-30°	363.5	14.3
30°-40°	431.9	16.9
40°-50°	448.3	17.6
50°-60°	414.5	16.3
60°-70°	330.2	13.0
70°-80°	193.3	7.6
80°-90°	37.5	1.5
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°	693.0	27.2
0°-40°	1124.9	44.1
0°-60°	1987.6	78.0
0°-90°	2548.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2548.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	908	905	900	905	905	86
15°	868	866	860	866	864	244
25°	790	789	787	790	789	364
35°	687	687	688	693	694	430
45°	564	570	580	593	597	435
55°	431	444	468	484	489	386
65°	292	313	342	355	360	291
75°	152	177	196	193	190	161
85°	31	37	25	12	8	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	910.1	910.1	910.1	910.1	910.1
2.5°	912.6	910.1	903.8	910.1	908.8
5°	907.6	905.1	900.1	905.1	905.1
7.5°	901.4	898.9	893.9	898.9	897.6
10°	892.6	890.1	885.1	890.1	888.9
12.5°	880.2	878.9	873.9	878.9	877.7
15°	867.7	866.4	860.2	866.4	864.0
17.5°	851.5	850.2	845.3	849.0	847.7
20°	832.8	830.3	827.8	831.5	830.3
22.5°	811.6	810.3	806.6	812.8	811.6
25°	790.4	789.1	786.7	790.4	789.1
27.5°	766.7	765.5	763.0	768.0	766.7
30°	741.8	741.8	739.3	745.5	744.3
32.5°	714.3	714.3	714.3	718.1	718.1
35°	686.9	686.9	688.2	693.2	694.4
37.5°	658.2	658.2	662.0	669.5	669.5
40°	627.1	629.6	633.3	644.5	645.8
42.5°	594.7	599.7	605.9	619.6	622.1
45°	563.5	569.7	579.7	593.4	597.2
47.5°	531.1	538.6	552.3	567.2	571.0
50°	498.7	508.6	523.6	541.1	544.8
52.5°	465.0	476.2	496.2	513.6	517.4
55°	431.4	443.8	467.5	483.7	488.7
57.5°	397.7	411.4	437.6	453.8	460.0
60°	362.8	377.7	406.4	421.4	426.4
62.5°	330.4	346.6	375.3	389.0	394.0
65°	291.7	312.9	341.6	355.3	360.3
67.5°	260.6	280.5	306.7	321.6	322.9
70°	221.9	246.8	270.5	283.0	285.5
72.5°	187.0	211.9	235.6	240.6	240.6
75°	152.1	177.0	195.7	193.2	189.5
77.5°	117.2	142.1	152.1	143.4	139.6
80°	87.3	108.5	106.0	97.2	93.5
82.5°	57.3	73.6	62.3	52.4	47.4
85°	31.2	37.4	24.9	12.5	7.5
87.5°	11.2	7.5	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)