

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: P302230

Luminaire Tested: **ZX-WO-34L940-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-34L940-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

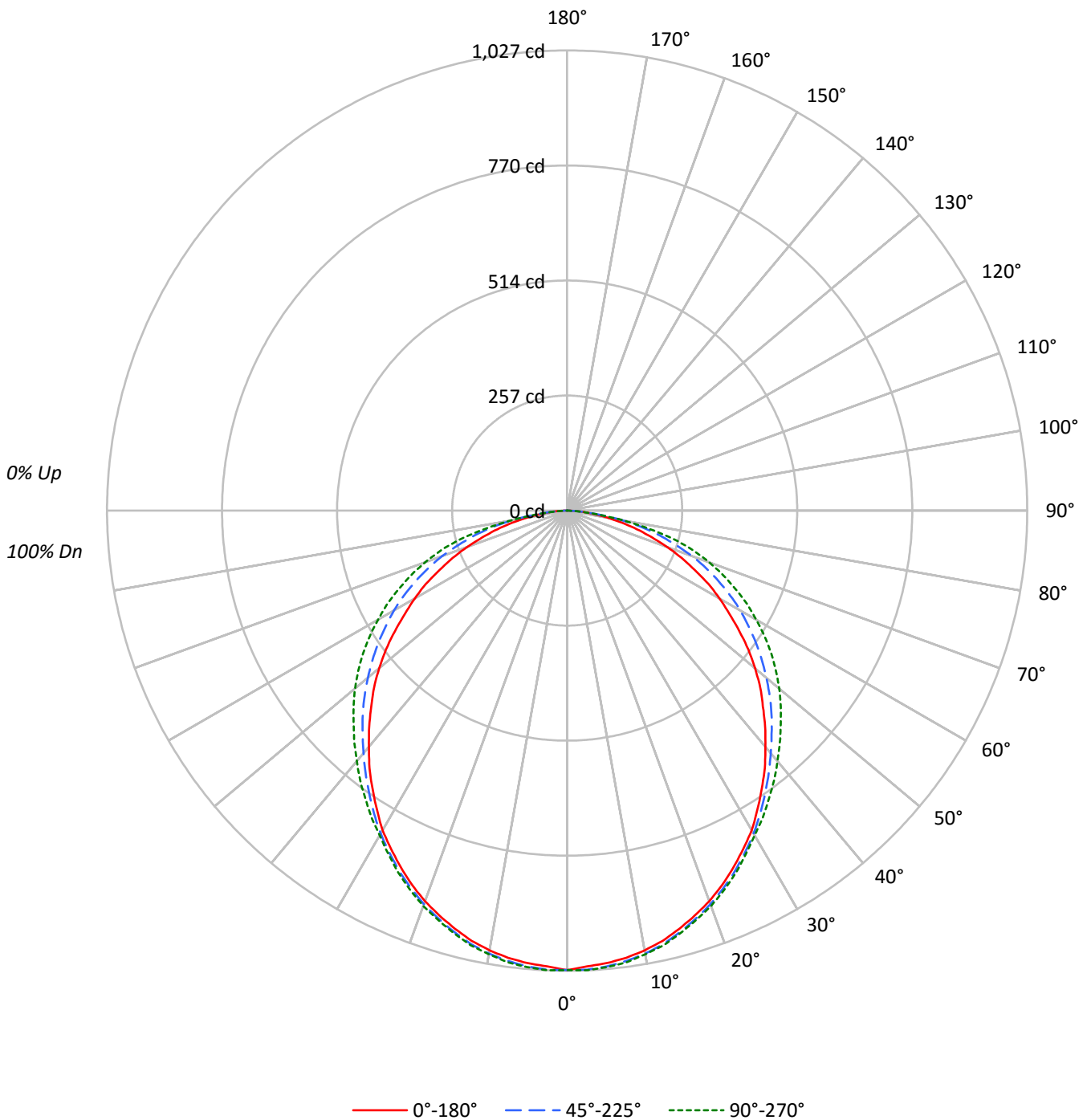
Lumens per Lamp: N/A
Luminaire Lumens: 2850.2 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 25.8
Input Voltage (V): 120
Input Current (A_{in}): 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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2759	2759	2759
5°	2739	2758	2762
10°	2723	2743	2747
15°	2692	2712	2720
20°	2656	2677	2689
25°	2608	2634	2647
30°	2560	2587	2600
35°	2489	2531	2578
40°	2418	2484	2565
45°	2351	2455	2565
50°	2291	2430	2587
55°	2203	2412	2608
60°	2116	2403	2620
65°	1999	2375	2641
70°	1869	2334	2651
75°	1677	2217	2561
80°	1406	1942	1963
85°	1112	1112	889



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	3.4
10°-20°	274.3	9.6
20°-30°	408.1	14.3
30°-40°	482.7	16.9
40°-50°	498.8	17.5
50°-60°	458.6	16.1
60°-70°	364.7	12.8
70°-80°	218.5	7.7
80°-90°	47.6	1.7
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°	779.2	27.3
0°-40°	1261.9	44.3
0°-60°	2219.4	77.9
0°-90°	2850.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2850.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1025	1025	1025	1025	1025	
5°	1014	1017	1021	1023	1023	96
15°	966	969	974	976	976	273
25°	878	881	887	892	892	405
35°	758	762	770	781	785	474
45°	618	624	645	668	674	478
55°	470	480	514	546	556	420
65°	314	333	373	406	415	312
75°	161	183	213	238	246	171
85°	36	39	36	33	29	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1025.4	1025.4	1025.4	1025.4	1025.4
2.5°	1018.2	1021.1	1025.4	1026.9	1026.9
5°	1013.9	1016.8	1021.1	1022.6	1022.6
7.5°	1006.7	1009.6	1013.9	1015.4	1016.8
10°	996.6	999.5	1003.8	1005.3	1005.3
12.5°	983.7	985.1	990.9	992.3	993.8
15°	966.4	969.3	973.6	976.5	976.5
17.5°	947.7	950.6	954.9	957.8	957.8
20°	927.5	930.4	934.7	937.6	939.0
22.5°	904.5	907.3	911.7	916.0	916.0
25°	878.5	881.4	887.2	891.5	891.5
27.5°	851.2	854.1	859.8	864.1	864.1
30°	823.8	825.3	832.5	835.3	836.8
32.5°	790.7	795.0	802.2	808.0	812.3
35°	757.6	761.9	770.5	780.6	784.9
37.5°	724.4	728.8	738.8	753.2	759.0
40°	688.4	694.2	707.2	725.9	730.2
42.5°	653.9	661.1	675.5	697.1	702.8
45°	617.9	623.6	645.2	668.3	674.0
47.5°	584.7	589.1	613.5	639.5	646.7
50°	547.3	553.1	580.4	609.2	617.9
52.5°	509.8	517.0	547.3	577.5	587.6
55°	469.5	479.6	514.2	545.8	555.9
57.5°	429.2	443.6	479.6	511.3	522.8
60°	393.2	406.1	446.5	476.7	486.8
62.5°	355.7	370.1	410.5	440.7	453.7
65°	314.0	332.7	373.0	406.1	414.8
67.5°	276.5	295.2	335.6	365.8	377.3
70°	237.6	259.2	296.7	324.1	337.0
72.5°	197.3	220.4	253.5	282.3	295.2
75°	161.3	182.9	213.2	237.6	246.3
77.5°	125.3	145.5	169.9	184.4	187.2
80°	90.7	106.6	125.3	128.2	126.7
82.5°	60.5	72.0	77.8	74.9	74.9
85°	36.0	38.9	36.0	33.1	28.8
87.5°	13.0	11.5	8.6	5.8	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)