

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: P302154

Luminaire Tested: **ZX-WO-34H935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302154
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-34H935-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

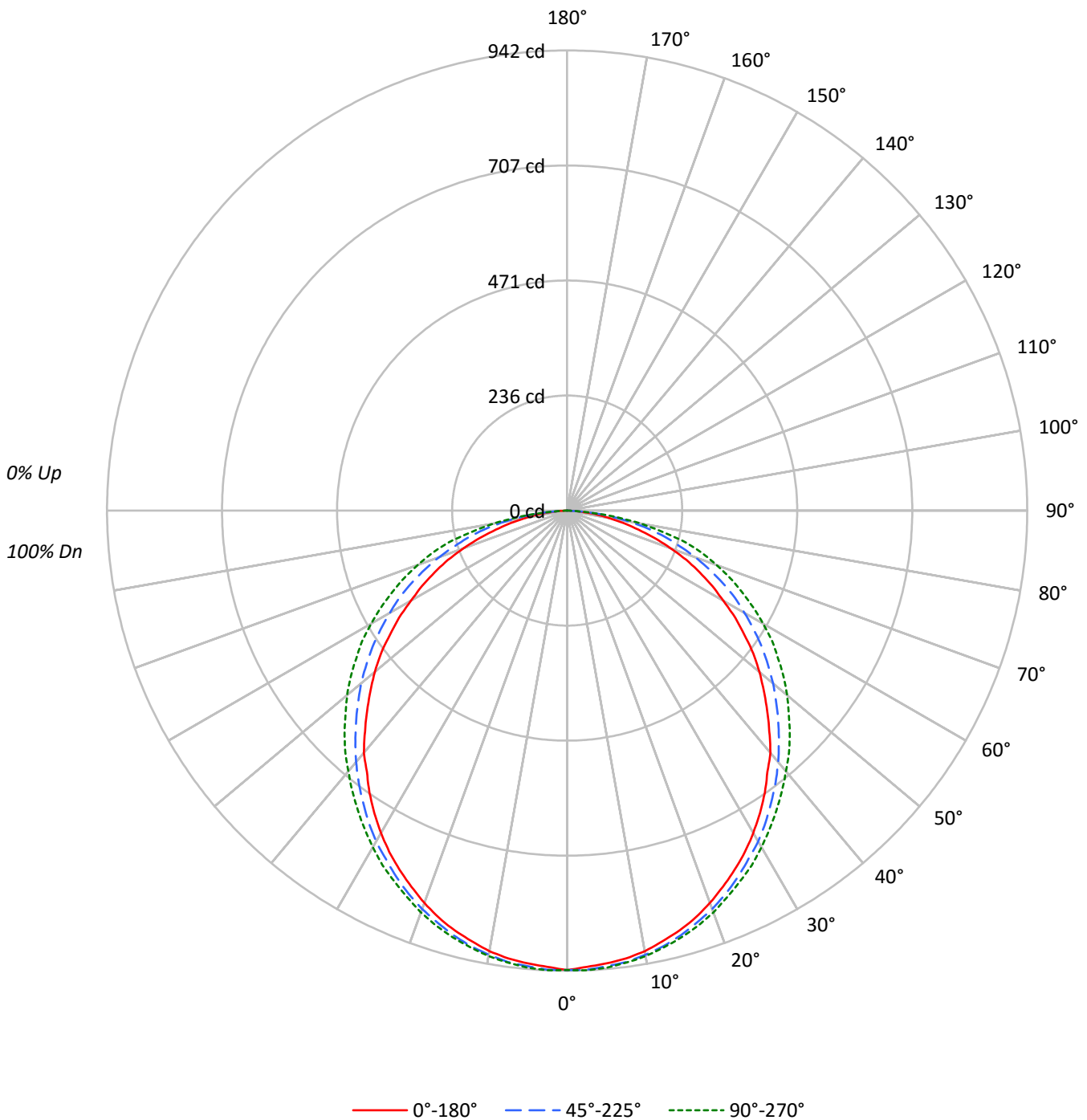
Lumens per Lamp: N/A
Luminaire Lumens: 2696.1 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2531	2531	2531
5°	2513	2529	2537
10°	2503	2523	2531
15°	2479	2507	2519
20°	2448	2486	2507
25°	2409	2457	2487
30°	2368	2431	2472
35°	2317	2394	2456
40°	2274	2361	2447
45°	2204	2326	2453
50°	2151	2303	2461
55°	2077	2282	2472
60°	1984	2258	2492
65°	1904	2237	2514
70°	1770	2193	2558
75°	1570	2143	2611
80°	1327	2002	2362
85°	942	1389	1343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	3.3
10°-20°	253.4	9.4
20°-30°	380.8	14.1
30°-40°	455.5	16.9
40°-50°	472.4	17.5
50°-60°	434.5	16.1
60°-70°	344.8	12.8
70°-80°	213.0	7.9
80°-90°	52.9	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°	723.1	26.8
0°-40°	1178.6	43.7
0°-60°	2085.4	77.3
0°-90°	2696.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2696.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	930	933	936	939	939	88
15°	890	893	900	904	904	251
25°	811	817	827	836	838	374
35°	705	713	729	743	748	441
45°	579	589	611	636	644	447
55°	443	454	486	520	527	396
65°	299	312	351	385	395	296
75°	151	171	206	238	251	161
85°	30	39	45	45	44	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	940.6	940.6	940.6	940.6	940.6
2.5°	934.8	936.2	940.6	942.0	942.0
5°	930.4	933.3	936.2	939.1	939.1
7.5°	924.6	927.5	931.9	933.3	933.3
10°	915.9	918.8	923.2	926.1	926.1
12.5°	902.8	907.2	913.0	915.9	915.9
15°	889.8	892.7	899.9	904.3	904.3
17.5°	873.8	876.7	884.0	889.8	891.2
20°	854.9	857.8	868.0	873.8	875.3
22.5°	833.2	837.5	849.1	854.9	856.4
25°	811.4	817.2	827.4	836.1	837.5
27.5°	788.2	794.0	804.1	815.7	818.6
30°	762.0	767.8	782.4	792.5	795.4
32.5°	734.5	741.7	756.2	769.3	772.2
35°	705.4	712.7	728.7	743.2	747.5
37.5°	673.5	683.7	701.1	717.0	722.8
40°	647.4	653.2	672.0	690.9	696.7
42.5°	612.5	621.2	641.6	663.3	672.0
45°	579.1	589.3	611.1	635.8	644.5
47.5°	545.8	555.9	580.6	606.7	615.4
50°	513.8	522.5	550.1	579.1	587.9
52.5°	480.4	489.2	518.2	550.1	558.8
55°	442.7	454.3	486.3	519.6	526.9
57.5°	407.9	419.5	452.9	484.8	497.9
60°	368.7	383.2	419.5	451.4	463.0
62.5°	335.3	346.9	387.5	419.5	429.6
65°	299.0	312.1	351.3	384.6	394.8
67.5°	264.2	277.2	315.0	348.4	361.4
70°	225.0	239.5	278.7	312.1	325.1
72.5°	188.7	206.1	240.9	275.8	290.3
75°	151.0	171.3	206.1	238.0	251.1
77.5°	117.6	135.0	168.4	190.1	197.4
80°	85.6	103.1	129.2	143.7	152.4
82.5°	58.1	68.2	88.5	98.7	98.7
85°	30.5	39.2	45.0	45.0	43.5
87.5°	10.2	11.6	8.7	4.4	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)