

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: P302162

Luminaire Tested: **ZX-WO-44H940-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302162
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-44H940-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

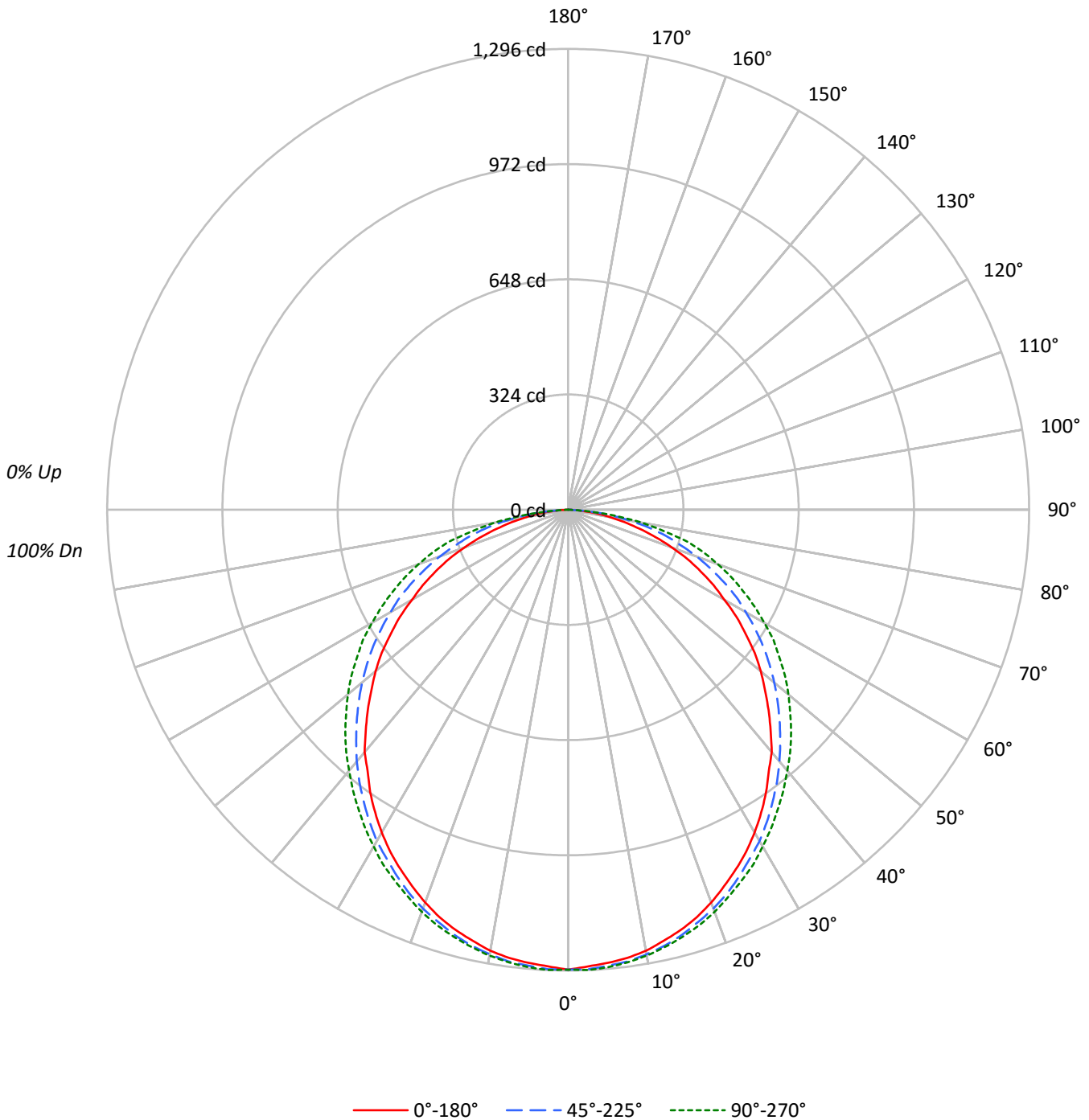
Lumens per Lamp: N/A
Luminaire Lumens: 3707.8 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.2
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°	3481	3481	3481
5°	3456	3478	3489
10°	3442	3469	3480
15°	3409	3448	3465
20°	3367	3418	3447
25°	3313	3378	3420
30°	3256	3343	3399
35°	3187	3292	3377
40°	3127	3247	3366
45°	3031	3198	3373
50°	2958	3167	3384
55°	2856	3137	3400
60°	2729	3105	3427
65°	2618	3076	3457
70°	2434	3016	3518
75°	2158	2948	3590
80°	1826	2754	3248
85°	1294	1911	1849



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	3.3
10°-20°	348.5	9.4
20°-30°	523.6	14.1
30°-40°	626.5	16.9
40°-50°	649.6	17.5
50°-60°	597.5	16.1
60°-70°	474.2	12.8
70°-80°	292.9	7.9
80°-90°	72.8	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°	994.4	26.8
0°-40°	1620.9	43.7
0°-60°	2867.9	77.3
0°-90°	3707.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3707.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1280	1284	1288	1292	1292	122
15°	1224	1228	1238	1244	1244	345
25°	1116	1124	1138	1150	1152	514
35°	970	980	1002	1022	1028	607
45°	796	810	840	874	886	615
55°	609	625	669	715	725	545
65°	411	429	483	529	543	407
75°	208	236	284	327	345	222
85°	42	54	62	62	60	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1293.5	1293.5	1293.5	1293.5	1293.5
2.5°	1285.5	1287.5	1293.5	1295.5	1295.5
5°	1279.5	1283.5	1287.5	1291.5	1291.5
7.5°	1271.5	1275.5	1281.5	1283.5	1283.5
10°	1259.6	1263.5	1269.5	1273.5	1273.5
12.5°	1241.6	1247.6	1255.6	1259.6	1259.6
15°	1223.6	1227.6	1237.6	1243.6	1243.6
17.5°	1201.7	1205.7	1215.6	1223.6	1225.6
20°	1175.7	1179.7	1193.7	1201.7	1203.7
22.5°	1145.8	1151.8	1167.7	1175.7	1177.7
25°	1115.8	1123.8	1137.8	1149.8	1151.8
27.5°	1083.9	1091.9	1105.9	1121.8	1125.8
30°	1048.0	1056.0	1075.9	1089.9	1093.9
32.5°	1010.0	1020.0	1040.0	1057.9	1061.9
35°	970.1	980.1	1002.1	1022.0	1028.0
37.5°	926.2	940.2	964.1	986.1	994.1
40°	890.3	898.3	924.2	950.2	958.1
42.5°	842.4	854.3	882.3	912.2	924.2
45°	796.5	810.4	840.4	874.3	886.3
47.5°	750.5	764.5	798.5	834.4	846.4
50°	706.6	718.6	756.5	796.5	808.4
52.5°	660.7	672.7	712.6	756.5	768.5
55°	608.8	624.8	668.7	714.6	724.6
57.5°	560.9	576.9	622.8	666.7	684.7
60°	507.0	527.0	576.9	620.8	636.8
62.5°	461.1	477.1	533.0	576.9	590.9
65°	411.2	429.2	483.1	529.0	542.9
67.5°	363.3	381.3	433.2	479.1	497.0
70°	309.4	329.4	383.3	429.2	447.1
72.5°	259.5	283.5	331.4	379.3	399.2
75°	207.6	235.5	283.5	327.4	345.3
77.5°	161.7	185.6	231.6	261.5	271.5
80°	117.8	141.7	177.7	197.6	209.6
82.5°	79.8	93.8	121.8	135.7	135.7
85°	41.9	53.9	61.9	61.9	59.9
87.5°	14.0	16.0	12.0	6.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)