

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: P302151

Luminaire Tested: **ZX-WO-20H935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302151
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-20H935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (168)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

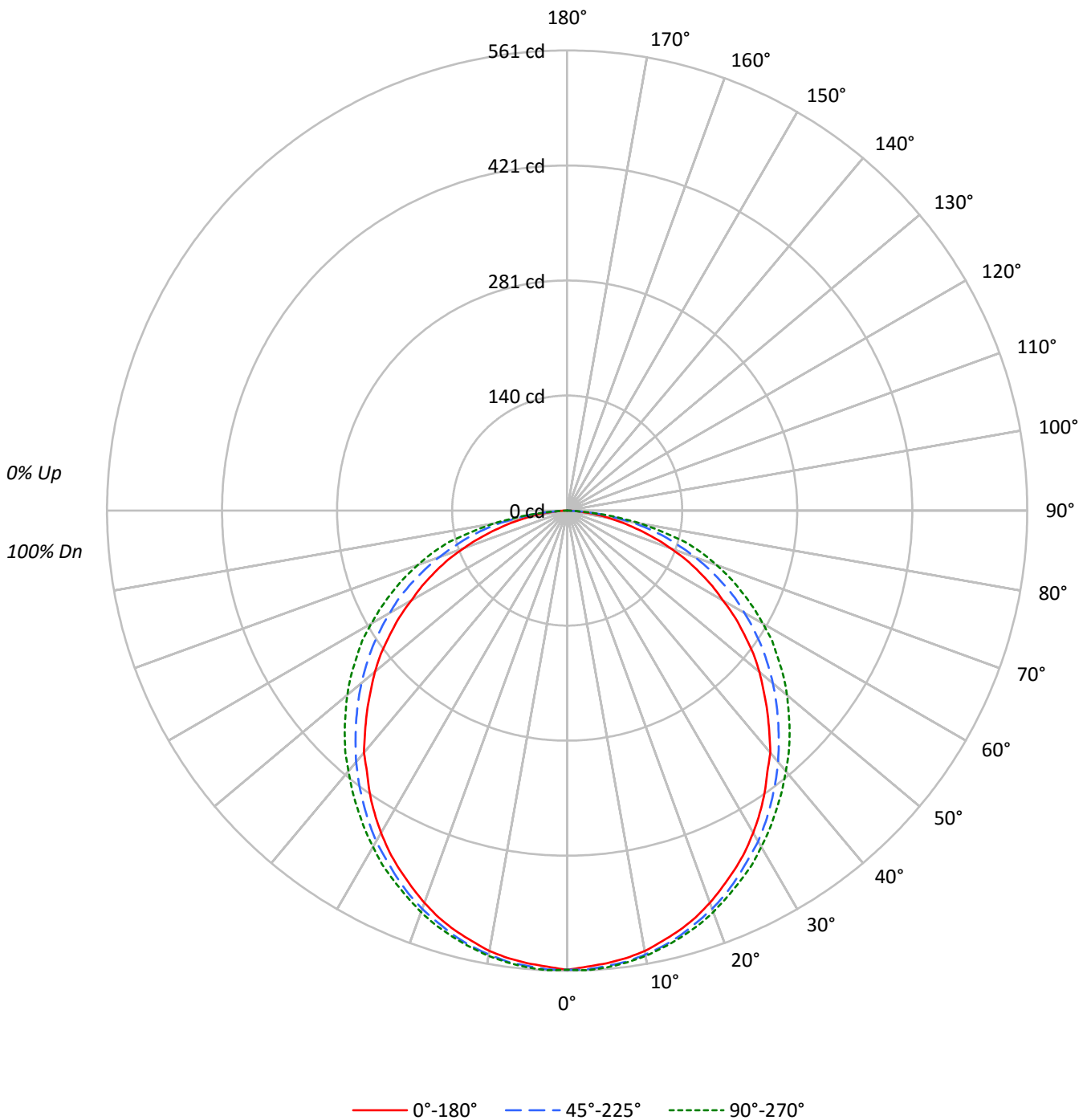
Lumens per Lamp: N/A
Luminaire Lumens: 1605.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
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°	1507	1507	1507
5°	1496	1505	1510
10°	1490	1502	1506
15°	1476	1492	1500
20°	1457	1480	1492
25°	1434	1462	1480
30°	1409	1447	1471
35°	1379	1425	1462
40°	1354	1405	1457
45°	1312	1384	1460
50°	1281	1371	1465
55°	1236	1358	1472
60°	1181	1344	1483
65°	1133	1331	1496
70°	1054	1305	1523
75°	935	1276	1554
80°	790	1192	1406
85°	559	827	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	3.3
10°-20°	150.9	9.4
20°-30°	226.7	14.1
30°-40°	271.2	16.9
40°-50°	281.2	17.5
50°-60°	258.6	16.1
60°-70°	205.3	12.8
70°-80°	126.8	7.9
80°-90°	31.5	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°	430.4	26.8
0°-40°	701.6	43.7
0°-60°	1241.5	77.3
0°-90°	1605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1605.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	560	560	560	560	560	
5°	554	556	557	559	559	53
15°	530	531	536	538	538	149
25°	483	486	492	498	499	223
35°	420	424	434	442	445	263
45°	345	351	364	378	384	266
55°	264	270	290	309	314	236
65°	178	186	209	229	235	176
75°	90	102	123	142	150	96
85°	18	23	27	27	26	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	559.9	559.9	559.9	559.9	559.9
2.5°	556.5	557.3	559.9	560.8	560.8
5°	553.9	555.6	557.3	559.0	559.0
7.5°	550.4	552.1	554.7	555.6	555.6
10°	545.2	547.0	549.5	551.3	551.3
12.5°	537.4	540.0	543.5	545.2	545.2
15°	529.7	531.4	535.7	538.3	538.3
17.5°	520.2	521.9	526.2	529.7	530.5
20°	508.9	510.7	516.7	520.2	521.0
22.5°	496.0	498.6	505.5	508.9	509.8
25°	483.0	486.5	492.5	497.7	498.6
27.5°	469.2	472.6	478.7	485.6	487.3
30°	453.6	457.1	465.7	471.8	473.5
32.5°	437.2	441.5	450.2	458.0	459.7
35°	419.9	424.3	433.8	442.4	445.0
37.5°	400.9	407.0	417.3	426.8	430.3
40°	385.4	388.8	400.1	411.3	414.8
42.5°	364.6	369.8	381.9	394.9	400.1
45°	344.8	350.8	363.8	378.5	383.6
47.5°	324.9	330.9	345.6	361.2	366.4
50°	305.9	311.1	327.5	344.8	349.9
52.5°	286.0	291.2	308.5	327.5	332.7
55°	263.5	270.5	289.5	309.3	313.7
57.5°	242.8	249.7	269.6	288.6	296.4
60°	219.5	228.1	249.7	268.7	275.6
62.5°	199.6	206.5	230.7	249.7	255.8
65°	178.0	185.8	209.1	229.0	235.0
67.5°	157.3	165.0	187.5	207.4	215.2
70°	133.9	142.6	165.9	185.8	193.6
72.5°	112.3	122.7	143.4	164.2	172.8
75°	89.9	102.0	122.7	141.7	149.5
77.5°	70.0	80.4	100.2	113.2	117.5
80°	51.0	61.3	76.9	85.5	90.7
82.5°	34.6	40.6	52.7	58.8	58.8
85°	18.1	23.3	26.8	26.8	25.9
87.5°	6.0	6.9	5.2	2.6	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)