

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: P302145

Luminaire Tested: **ZX-WO-20H930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302145
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-20H930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (168)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

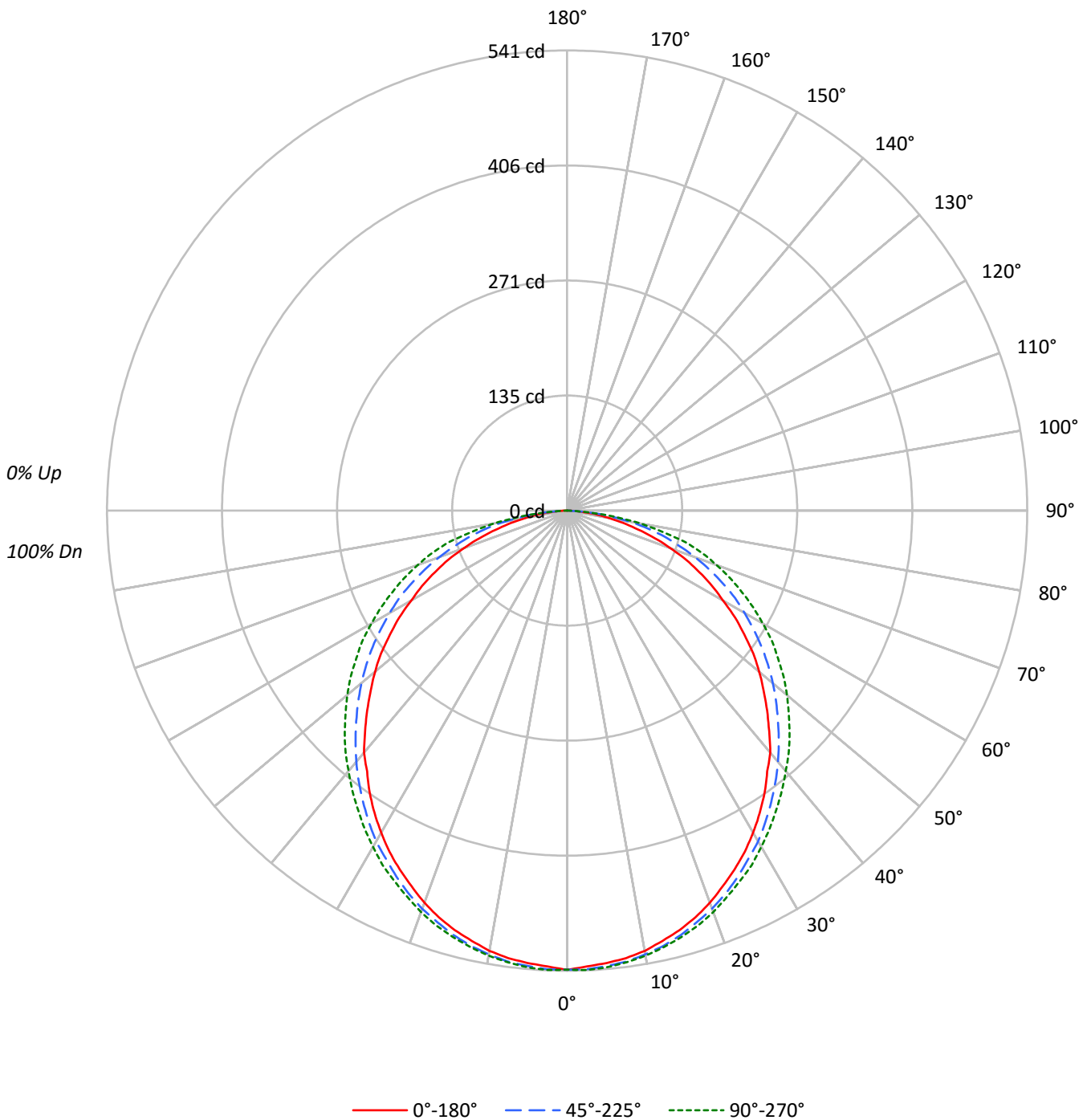
Lumens per Lamp: N/A
Luminaire Lumens: 1547.3 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
Input Voltage (V): 120
Input Current (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



TEST NUMBER: P302145
CATALOG NUMBER: ZX-WO-20H930-UNV-22-STD

Luminous Intensity Polar Plot





TEST NUMBER: P302145

CATALOG NUMBER: ZX-WO-20H930-UNV-22-STD

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°	1453	1453	1453
5°	1442	1451	1456
10°	1436	1448	1452
15°	1422	1439	1446
20°	1405	1426	1438
25°	1382	1410	1427
30°	1359	1395	1418
35°	1330	1374	1409
40°	1305	1355	1404
45°	1265	1335	1407
50°	1235	1322	1412
55°	1192	1309	1419
60°	1139	1295	1430
65°	1093	1284	1443
70°	1016	1258	1468
75°	900	1230	1498
80°	761	1148	1356
85°	540	797	772



TEST NUMBER: P302145

CATALOG NUMBER: ZX-WO-20H930-UNV-22-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	3.3
10°-20°	145.4	9.4
20°-30°	218.5	14.1
30°-40°	261.4	16.9
40°-50°	271.1	17.5
50°-60°	249.3	16.1
60°-70°	197.9	12.8
70°-80°	122.2	7.9
80°-90°	30.4	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°	415.0	26.8
0°-40°	676.4	43.7
0°-60°	1196.8	77.3
0°-90°	1547.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1547.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	540	540	540	540	540	
5°	534	536	537	539	539	51
15°	511	512	516	519	519	144
25°	466	469	475	480	481	215
35°	405	409	418	426	429	253
45°	332	338	351	365	370	257
55°	254	261	279	298	302	227
65°	172	179	202	221	227	170
75°	87	98	118	137	144	93
85°	18	22	26	26	25	22
90°	0	0	0	0	0	



TEST NUMBER: P302145

CATALOG NUMBER: ZX-WO-20H930-UNV-22-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	539.8	539.8	539.8	539.8	539.8
2.5°	536.4	537.3	539.8	540.6	540.6
5°	533.9	535.6	537.3	538.9	538.9
7.5°	530.6	532.3	534.8	535.6	535.6
10°	525.6	527.3	529.8	531.4	531.4
12.5°	518.1	520.6	524.0	525.6	525.6
15°	510.6	512.3	516.5	519.0	519.0
17.5°	501.5	503.1	507.3	510.6	511.5
20°	490.6	492.3	498.1	501.5	502.3
22.5°	478.1	480.6	487.3	490.6	491.5
25°	465.6	469.0	474.8	479.8	480.6
27.5°	452.3	455.6	461.5	468.1	469.8
30°	437.3	440.7	449.0	454.8	456.5
32.5°	421.5	425.7	434.0	441.5	443.2
35°	404.8	409.0	418.2	426.5	429.0
37.5°	386.5	392.3	402.3	411.5	414.8
40°	371.5	374.8	385.7	396.5	399.8
42.5°	351.5	356.5	368.2	380.7	385.7
45°	332.4	338.2	350.7	364.8	369.8
47.5°	313.2	319.0	333.2	348.2	353.2
50°	294.9	299.9	315.7	332.4	337.4
52.5°	275.7	280.7	297.4	315.7	320.7
55°	254.1	260.7	279.1	298.2	302.4
57.5°	234.1	240.7	259.9	278.2	285.7
60°	211.6	219.9	240.7	259.1	265.7
62.5°	192.4	199.1	222.4	240.7	246.6
65°	171.6	179.1	201.6	220.7	226.6
67.5°	151.6	159.1	180.8	199.9	207.4
70°	129.1	137.4	159.9	179.1	186.6
72.5°	108.3	118.3	138.3	158.3	166.6
75°	86.6	98.3	118.3	136.6	144.1
77.5°	67.5	77.5	96.6	109.1	113.3
80°	49.1	59.1	74.1	82.5	87.5
82.5°	33.3	39.2	50.8	56.6	56.6
85°	17.5	22.5	25.8	25.8	25.0
87.5°	5.8	6.7	5.0	2.5	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)