

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: P302156

Luminaire Tested: **ZX-WO-44H935-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302156  
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-44H935-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**

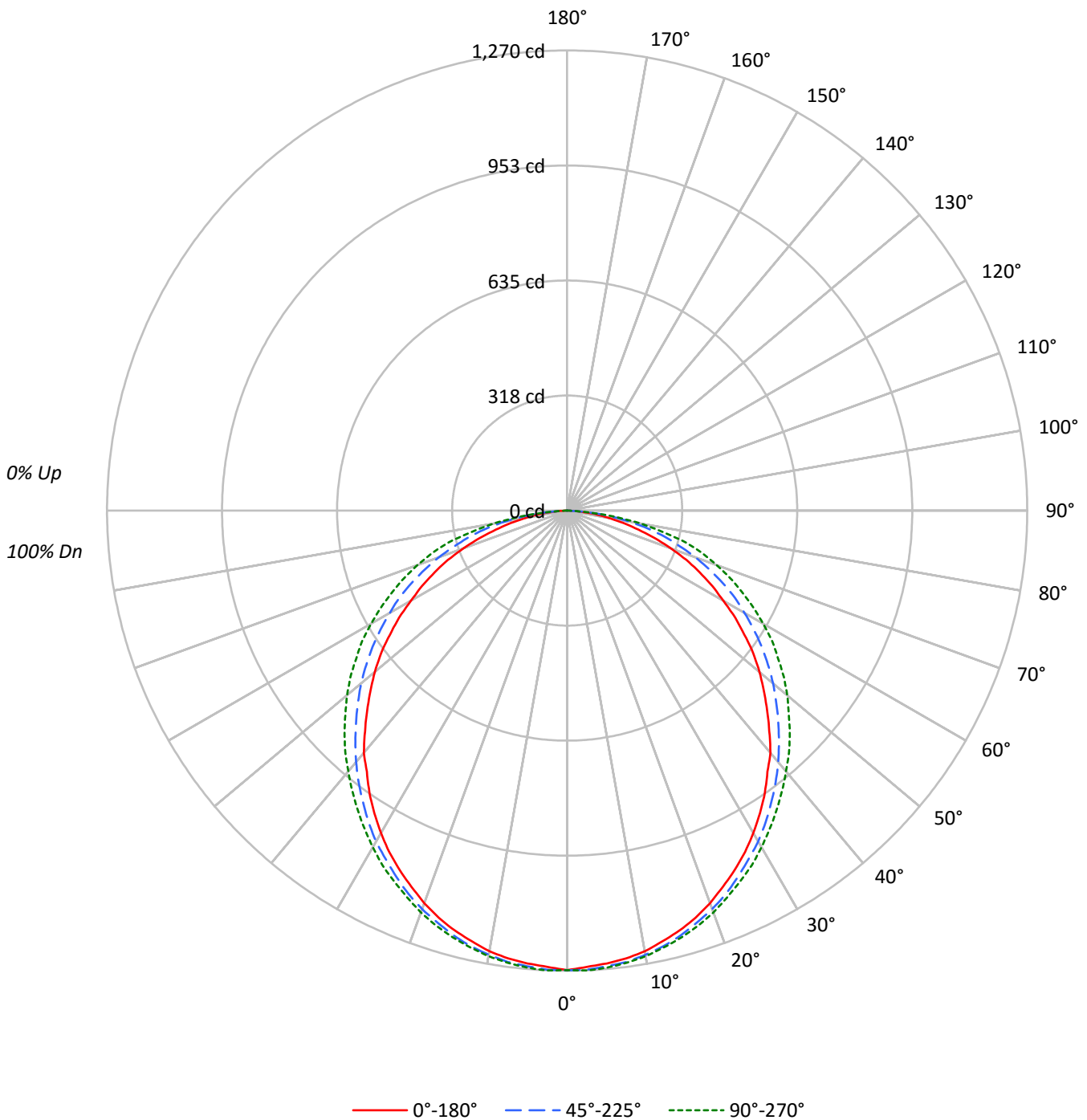
Lumens per Lamp: N/A  
Luminaire Lumens: 3635.5 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P302156  
CATALOG NUMBER: ZX-WO-44H935-UNV-22-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P302156

CATALOG NUMBER: ZX-WO-44H935-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°	3413	3413	3413
5°	3389	3410	3421
10°	3375	3401	3412
15°	3343	3381	3397
20°	3301	3352	3380
25°	3249	3312	3353
30°	3193	3278	3333
35°	3125	3228	3311
40°	3066	3183	3300
45°	2972	3136	3307
50°	2901	3105	3319
55°	2801	3076	3333
60°	2675	3044	3360
65°	2567	3016	3390
70°	2387	2957	3449
75°	2117	2889	3520
80°	1790	2700	3185
85°	1269	1874	1812



TEST NUMBER: P302156

CATALOG NUMBER: ZX-WO-44H935-UNV-22-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.9	3.3
10°-20°	341.7	9.4
20°-30°	513.4	14.1
30°-40°	614.2	16.9
40°-50°	636.9	17.5
50°-60°	585.8	16.1
60°-70°	464.9	12.8
70°-80°	287.2	7.9
80°-90°	71.4	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°	975.0	26.8
0°-40°	1589.2	43.7
0°-60°	2812.0	77.3
0°-90°	3635.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3635.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1268	1268	1268	1268	1268	
5°	1255	1258	1262	1266	1266	119
15°	1200	1204	1214	1219	1219	338
25°	1094	1102	1116	1127	1129	504
35°	951	961	982	1002	1008	595
45°	781	795	824	857	869	603
55°	597	613	656	701	710	534
65°	403	421	474	519	532	399
75°	204	231	278	321	339	218
85°	41	53	61	61	59	52
90°	0	0	0	0	0	



TEST NUMBER: P302156

CATALOG NUMBER: ZX-WO-44H935-UNV-22-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1268.3	1268.3	1268.3	1268.3	1268.3
2.5°	1260.4	1262.4	1268.3	1270.2	1270.2
5°	1254.6	1258.5	1262.4	1266.3	1266.3
7.5°	1246.7	1250.7	1256.5	1258.5	1258.5
10°	1235.0	1238.9	1244.8	1248.7	1248.7
12.5°	1217.4	1223.3	1231.1	1235.0	1235.0
15°	1199.8	1203.7	1213.5	1219.3	1219.3
17.5°	1178.2	1182.2	1191.9	1199.8	1201.7
20°	1152.8	1156.7	1170.4	1178.2	1180.2
22.5°	1123.4	1129.3	1145.0	1152.8	1154.8
25°	1094.1	1101.9	1115.6	1127.4	1129.3
27.5°	1062.8	1070.6	1084.3	1100.0	1103.9
30°	1027.5	1035.4	1054.9	1068.6	1072.6
32.5°	990.4	1000.1	1019.7	1037.3	1041.2
35°	951.2	961.0	982.5	1002.1	1008.0
37.5°	908.1	921.8	945.3	966.9	974.7
40°	872.9	880.7	906.2	931.6	939.5
42.5°	825.9	837.7	865.1	894.4	906.2
45°	780.9	794.6	824.0	857.3	869.0
47.5°	735.9	749.6	782.9	818.1	829.9
50°	692.9	704.6	741.8	780.9	792.7
52.5°	647.8	659.6	698.7	741.8	753.5
55°	597.0	612.6	655.7	700.7	710.5
57.5°	550.0	565.6	610.7	653.7	671.3
60°	497.1	516.7	565.6	608.7	624.4
62.5°	452.1	467.8	522.6	565.6	579.3
65°	403.2	420.8	473.6	518.7	532.4
67.5°	356.2	373.8	424.7	469.7	487.3
70°	303.4	322.9	375.8	420.8	438.4
72.5°	254.4	277.9	324.9	371.9	391.4
75°	203.6	231.0	277.9	321.0	338.6
77.5°	158.5	182.0	227.0	256.4	266.2
80°	115.5	139.0	174.2	193.8	205.5
82.5°	78.3	92.0	119.4	133.1	133.1
85°	41.1	52.8	60.7	60.7	58.7
87.5°	13.7	15.7	11.7	5.9	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)