

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: P302226

Luminaire Tested: **ZX-WO-44L935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-44L935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3684.7 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

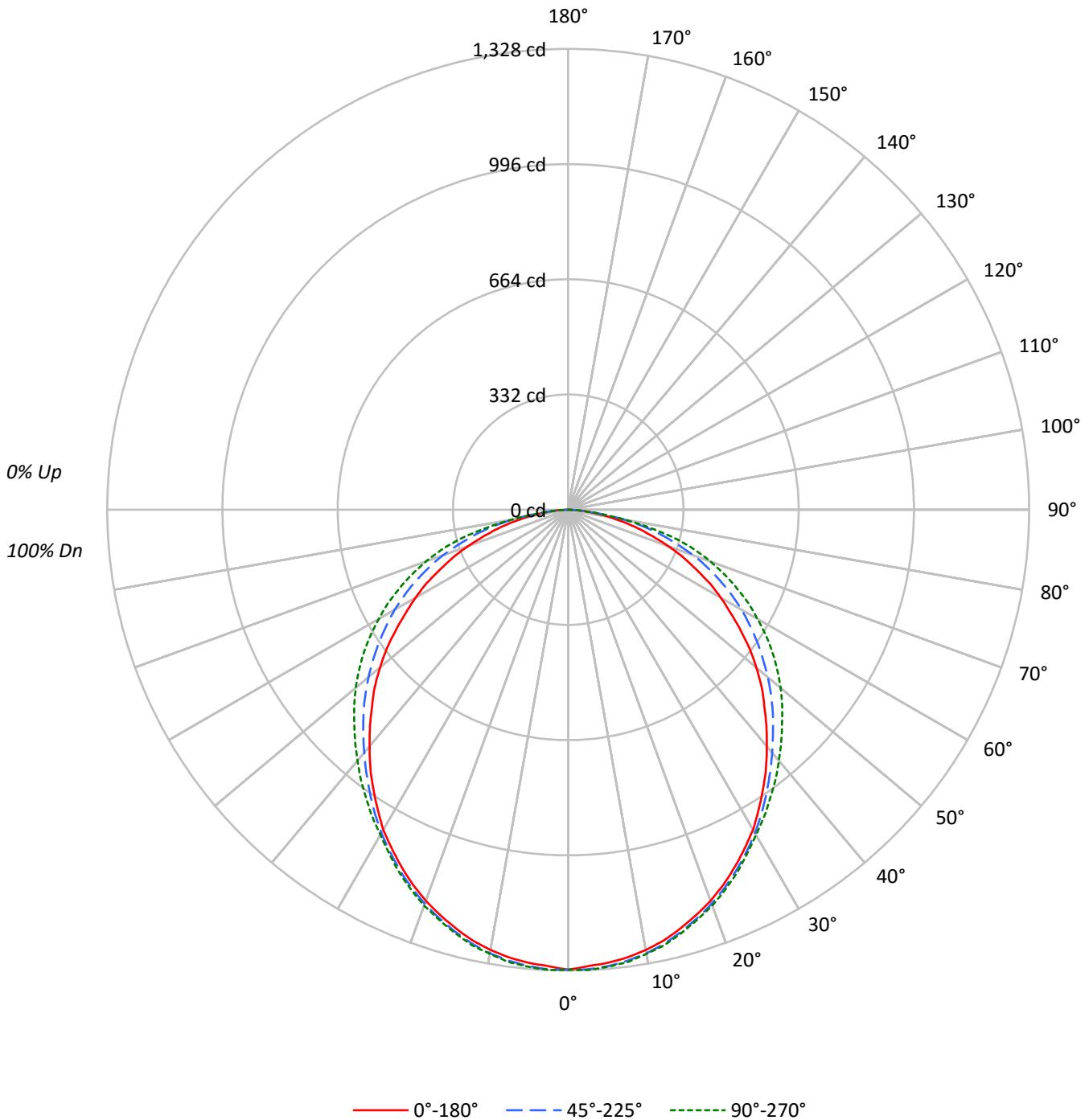
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3567	3567	3567
5°	3541	3566	3571
10°	3521	3546	3551
15°	3480	3507	3517
20°	3434	3460	3477
25°	3372	3405	3422
30°	3309	3344	3361
35°	3217	3272	3333
40°	3126	3211	3316
45°	3040	3174	3316
50°	2962	3141	3344
55°	2848	3118	3372
60°	2736	3106	3387
65°	2585	3070	3414
70°	2417	3018	3428
75°	2168	2865	3310
80°	1818	2510	2538
85°	1436	1436	1149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	3.4
10°-20°	354.6	9.6
20°-30°	527.6	14.3
30°-40°	624.1	16.9
40°-50°	644.9	17.5
50°-60°	592.9	16.1
60°-70°	471.5	12.8
70°-80°	282.4	7.7
80°-90°	61.6	1.7
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°	1007.3	27.3
0°-40°	1631.4	44.3
0°-60°	2869.2	77.9
0°-90°	3684.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3684.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1326	1326	1326	1326	1326	
5°	1311	1314	1320	1322	1322	124
15°	1249	1253	1259	1262	1262	352
25°	1136	1140	1147	1152	1152	523
35°	979	985	996	1009	1015	613
45°	799	806	834	864	871	617
55°	607	620	665	706	719	543
65°	406	430	482	525	536	403
75°	208	236	276	307	318	221
85°	46	50	46	43	37	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1325.7	1325.7	1325.7	1325.7	1325.7
2.5°	1316.4	1320.1	1325.7	1327.5	1327.5
5°	1310.8	1314.5	1320.1	1322.0	1322.0
7.5°	1301.5	1305.2	1310.8	1312.7	1314.5
10°	1288.4	1292.2	1297.8	1299.6	1299.6
12.5°	1271.7	1273.6	1281.0	1282.9	1284.7
15°	1249.3	1253.1	1258.7	1262.4	1262.4
17.5°	1225.1	1228.9	1234.5	1238.2	1238.2
20°	1199.1	1202.8	1208.4	1212.1	1214.0
22.5°	1169.3	1173.0	1178.6	1184.2	1184.2
25°	1135.8	1139.5	1146.9	1152.5	1152.5
27.5°	1100.4	1104.1	1111.6	1117.1	1117.1
30°	1065.0	1066.9	1076.2	1079.9	1081.8
32.5°	1022.2	1027.8	1037.1	1044.5	1050.1
35°	979.4	985.0	996.1	1009.2	1014.7
37.5°	936.5	942.1	955.2	973.8	981.2
40°	890.0	897.4	914.2	938.4	944.0
42.5°	845.3	854.6	873.2	901.2	908.6
45°	798.8	806.2	834.1	863.9	871.4
47.5°	755.9	761.5	793.2	826.7	836.0
50°	707.5	715.0	750.4	787.6	798.8
52.5°	659.1	668.4	707.5	746.6	759.7
55°	607.0	620.0	664.7	705.7	718.7
57.5°	554.9	573.5	620.0	661.0	675.9
60°	508.3	525.1	577.2	616.3	629.3
62.5°	459.9	478.5	530.6	569.7	586.5
65°	405.9	430.1	482.2	525.1	536.2
67.5°	357.5	381.7	433.8	472.9	487.8
70°	307.2	335.1	383.6	418.9	435.7
72.5°	255.1	284.9	327.7	364.9	381.7
75°	208.5	236.5	275.6	307.2	318.4
77.5°	162.0	188.1	219.7	238.3	242.0
80°	117.3	137.8	162.0	165.7	163.8
82.5°	78.2	93.1	100.5	96.8	96.8
85°	46.5	50.3	46.5	42.8	37.2
87.5°	16.8	14.9	11.2	7.4	3.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)