

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: P302225

Luminaire Tested: **ZX-WO-39L935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302225
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-39L935-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: 3243.8 lumens
Efficiency: N/A
Efficacy: 107.1 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

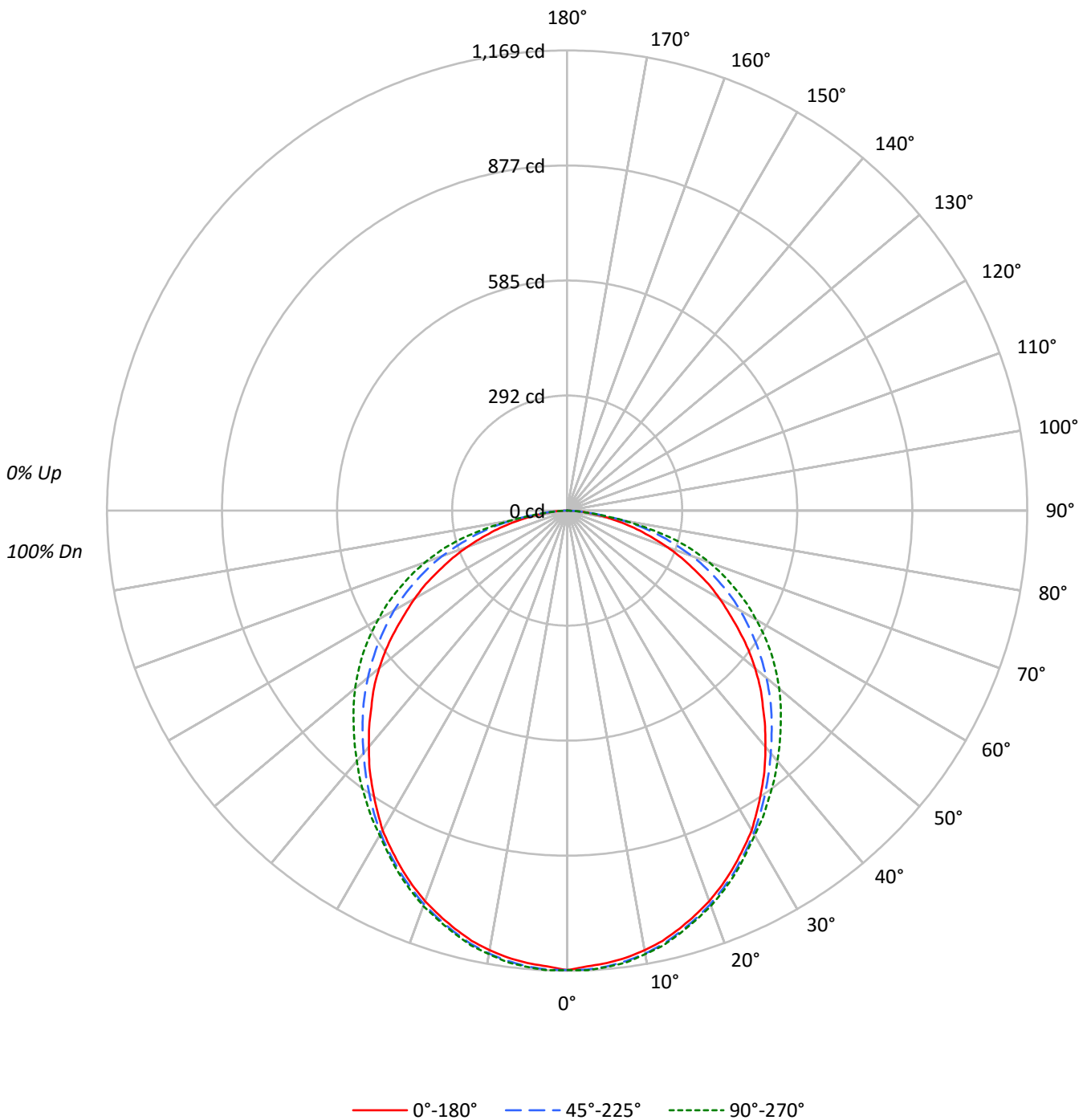
Input Watts (W): 30.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3141	3141	3141
5°	3117	3139	3144
10°	3099	3122	3126
15°	3064	3087	3096
20°	3023	3046	3060
25°	2969	2998	3013
30°	2913	2944	2959
35°	2832	2881	2935
40°	2752	2827	2919
45°	2676	2794	2919
50°	2608	2766	2944
55°	2507	2746	2968
60°	2408	2735	2982
65°	2275	2703	3006
70°	2128	2657	3018
75°	1909	2522	2914
80°	1601	2210	2235
85°	1266	1266	1013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	3.4
10°-20°	312.1	9.6
20°-30°	464.5	14.3
30°-40°	549.4	16.9
40°-50°	567.7	17.5
50°-60°	522.0	16.1
60°-70°	415.1	12.8
70°-80°	248.6	7.7
80°-90°	54.2	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°	886.8	27.3
0°-40°	1436.2	44.3
0°-60°	2525.9	77.9
0°-90°	3243.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3243.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1167	1167	1167	1167	1167	
5°	1154	1157	1162	1164	1164	110
15°	1100	1103	1108	1111	1111	310
25°	1000	1003	1010	1015	1015	461
35°	862	867	877	888	893	540
45°	703	710	734	761	767	544
55°	534	546	585	621	633	478
65°	357	379	424	462	472	355
75°	184	208	243	270	280	194
85°	41	44	41	38	33	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1167.1	1167.1	1167.1	1167.1	1167.1
2.5°	1158.9	1162.2	1167.1	1168.7	1168.7
5°	1154.0	1157.2	1162.2	1163.8	1163.8
7.5°	1145.8	1149.0	1154.0	1155.6	1157.2
10°	1134.3	1137.6	1142.5	1144.1	1144.1
12.5°	1119.5	1121.2	1127.7	1129.4	1131.0
15°	1099.9	1103.1	1108.1	1111.3	1111.3
17.5°	1078.6	1081.8	1086.8	1090.0	1090.0
20°	1055.6	1058.9	1063.8	1067.1	1068.7
22.5°	1029.4	1032.7	1037.6	1042.5	1042.5
25°	999.9	1003.2	1009.7	1014.6	1014.6
27.5°	968.7	972.0	978.6	983.5	983.5
30°	937.6	939.2	947.4	950.7	952.3
32.5°	899.9	904.8	913.0	919.6	924.5
35°	862.2	867.1	876.9	888.4	893.3
37.5°	824.5	829.4	840.9	857.3	863.8
40°	783.5	790.1	804.8	826.1	831.0
42.5°	744.2	752.4	768.8	793.3	799.9
45°	703.2	709.8	734.3	760.6	767.1
47.5°	665.5	670.4	698.3	727.8	736.0
50°	622.9	629.4	660.6	693.4	703.2
52.5°	580.3	588.5	622.9	657.3	668.8
55°	534.4	545.8	585.2	621.2	632.7
57.5°	488.5	504.9	545.8	581.9	595.0
60°	447.5	462.2	508.1	542.6	554.0
62.5°	404.9	421.3	467.2	501.6	516.3
65°	357.3	378.6	424.5	462.2	472.1
67.5°	314.7	336.0	381.9	416.3	429.5
70°	270.5	295.0	337.7	368.8	383.6
72.5°	224.6	250.8	288.5	321.3	336.0
75°	183.6	208.2	242.6	270.5	280.3
77.5°	142.6	165.6	193.4	209.8	213.1
80°	103.3	121.3	142.6	145.9	144.2
82.5°	68.8	82.0	88.5	85.2	85.2
85°	41.0	44.3	41.0	37.7	32.8
87.5°	14.8	13.1	9.8	6.6	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)