

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: P302206

Luminaire Tested: **ZX-WO-34L835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302206
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-34L835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

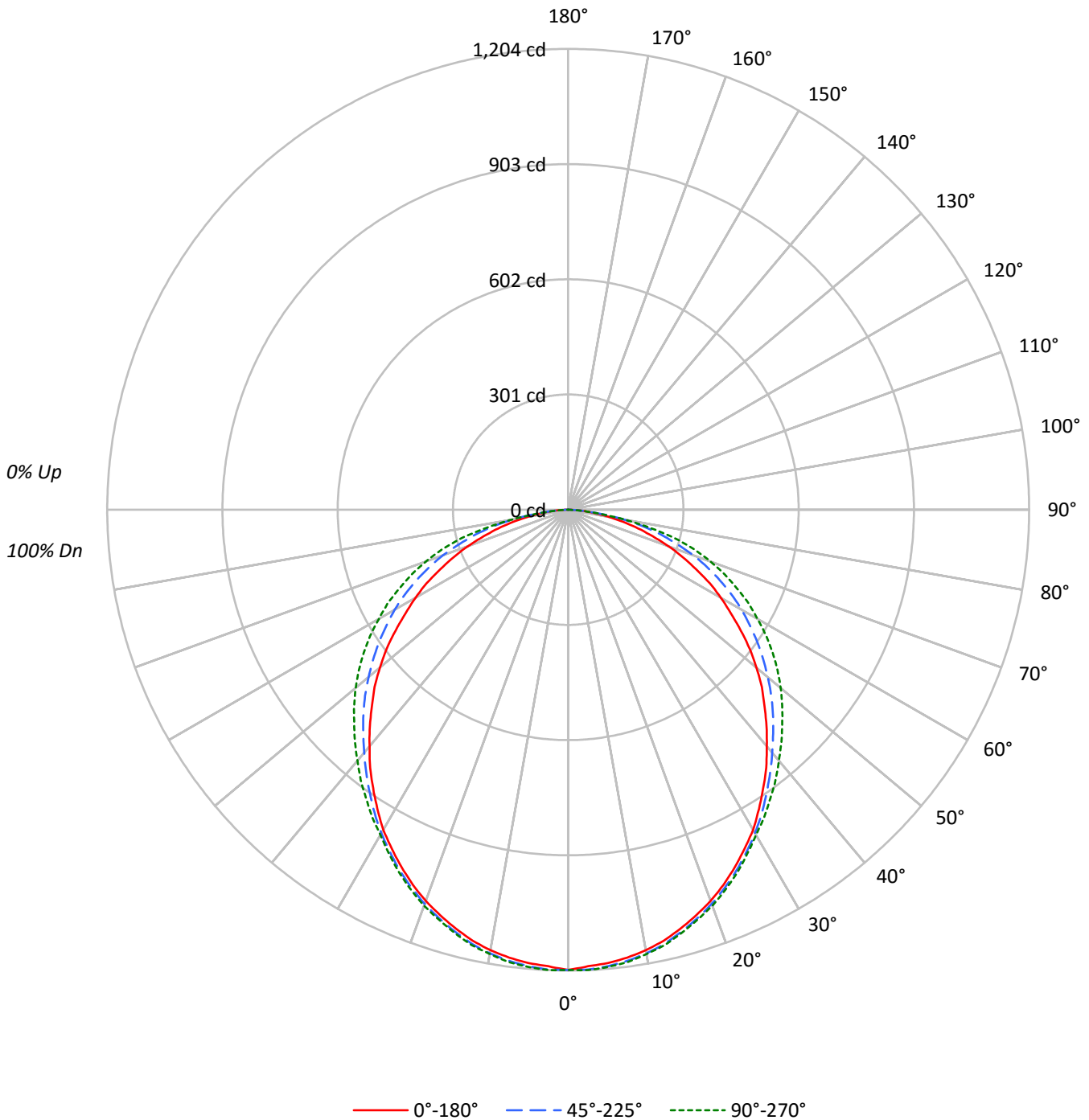
Lumens per Lamp: N/A
Luminaire Lumens: 3342.1 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 25.8
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°	3236	3236	3236
5°	3212	3234	3239
10°	3193	3216	3221
15°	3157	3180	3190
20°	3115	3139	3153
25°	3059	3089	3104
30°	3002	3033	3049
35°	2918	2968	3024
40°	2836	2913	3008
45°	2757	2879	3008
50°	2687	2849	3033
55°	2583	2829	3058
60°	2481	2817	3072
65°	2344	2785	3097
70°	2193	2737	3109
75°	1966	2598	3003
80°	1649	2276	2303
85°	1303	1303	1044



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	3.4
10°-20°	321.6	9.6
20°-30°	478.5	14.3
30°-40°	566.1	16.9
40°-50°	584.9	17.5
50°-60°	537.8	16.1
60°-70°	427.7	12.8
70°-80°	256.2	7.7
80°-90°	55.9	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°	913.6	27.3
0°-40°	1479.7	44.3
0°-60°	2602.5	77.9
0°-90°	3342.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3342.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1202	1202	1202	1202	1202	
5°	1189	1192	1197	1199	1199	113
15°	1133	1137	1142	1145	1145	320
25°	1030	1034	1040	1045	1045	475
35°	888	893	904	915	920	556
45°	724	731	757	784	790	560
55°	551	562	603	640	652	493
65°	368	390	437	476	486	366
75°	189	214	250	279	289	200
85°	42	46	42	39	34	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1202.4	1202.4	1202.4	1202.4	1202.4
2.5°	1194.0	1197.4	1202.4	1204.1	1204.1
5°	1188.9	1192.3	1197.4	1199.1	1199.1
7.5°	1180.5	1183.9	1188.9	1190.6	1192.3
10°	1168.7	1172.0	1177.1	1178.8	1178.8
12.5°	1153.5	1155.2	1161.9	1163.6	1165.3
15°	1133.2	1136.6	1141.6	1145.0	1145.0
17.5°	1111.2	1114.6	1119.7	1123.1	1123.1
20°	1087.6	1091.0	1096.0	1099.4	1101.1
22.5°	1060.6	1064.0	1069.0	1074.1	1074.1
25°	1030.2	1033.6	1040.3	1045.4	1045.4
27.5°	998.1	1001.5	1008.2	1013.3	1013.3
30°	966.0	967.7	976.1	979.5	981.2
32.5°	927.2	932.2	940.7	947.4	952.5
35°	888.3	893.4	903.5	915.3	920.4
37.5°	849.5	854.5	866.4	883.3	890.0
40°	807.3	814.0	829.2	851.2	856.2
42.5°	766.7	775.2	792.1	817.4	824.1
45°	724.5	731.3	756.6	783.6	790.4
47.5°	685.7	690.7	719.4	749.8	758.3
50°	641.8	648.5	680.6	714.4	724.5
52.5°	597.8	606.3	641.8	677.2	689.0
55°	550.6	562.4	602.9	640.1	651.9
57.5°	503.3	520.2	562.4	599.5	613.0
60°	461.0	476.2	523.5	559.0	570.8
62.5°	417.1	434.0	481.3	516.8	532.0
65°	368.2	390.1	437.4	476.2	486.4
67.5°	324.3	346.2	393.5	429.0	442.5
70°	278.7	304.0	347.9	380.0	395.2
72.5°	231.4	258.4	297.2	331.0	346.2
75°	189.1	214.5	249.9	278.7	288.8
77.5°	146.9	170.6	199.3	216.2	219.5
80°	106.4	125.0	146.9	150.3	148.6
82.5°	70.9	84.4	91.2	87.8	87.8
85°	42.2	45.6	42.2	38.8	33.8
87.5°	15.2	13.5	10.1	6.8	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)