

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: P302208

Luminaire Tested: **ZX-WO-44L835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302208
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-44L835-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

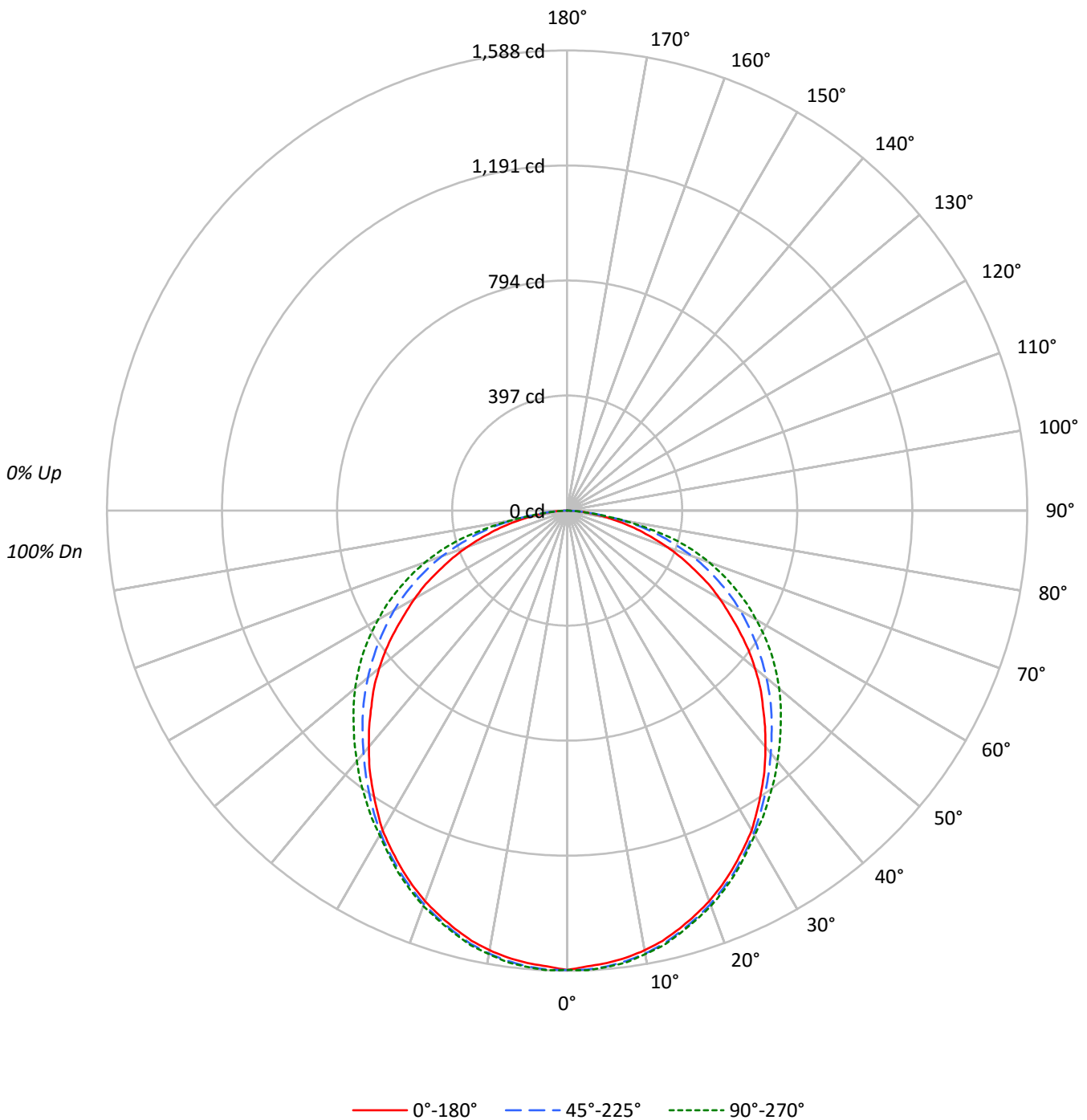
Lumens per Lamp: N/A
Luminaire Lumens: 4406.6 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4266	4266	4266
5°	4234	4264	4271
10°	4210	4241	4247
15°	4162	4193	4206
20°	4107	4138	4157
25°	4033	4073	4092
30°	3958	3999	4020
35°	3847	3914	3986
40°	3739	3841	3966
45°	3636	3796	3966
50°	3542	3757	3999
55°	3406	3729	4032
60°	3272	3715	4050
65°	3091	3672	4083
70°	2891	3609	4099
75°	2593	3427	3959
80°	2174	3002	3036
85°	1720	1720	1374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	3.4
10°-20°	424.0	9.6
20°-30°	631.0	14.3
30°-40°	746.4	16.9
40°-50°	771.2	17.5
50°-60°	709.1	16.1
60°-70°	563.9	12.8
70°-80°	337.7	7.7
80°-90°	73.7	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°	1204.6	27.3
0°-40°	1951.0	44.3
0°-60°	3431.3	77.9
0°-90°	4406.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4406.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1585	1585	1585	1585	1585	
5°	1568	1572	1579	1581	1581	149
15°	1494	1499	1505	1510	1510	421
25°	1358	1363	1372	1378	1378	626
35°	1171	1178	1191	1207	1214	733
45°	955	964	998	1033	1042	738
55°	726	742	795	844	860	649
65°	485	514	577	628	641	483
75°	249	283	330	367	381	264
85°	56	60	56	51	44	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1585.4	1585.4	1585.4	1585.4	1585.4
2.5°	1574.3	1578.7	1585.4	1587.6	1587.6
5°	1567.6	1572.0	1578.7	1581.0	1581.0
7.5°	1556.5	1560.9	1567.6	1569.8	1572.0
10°	1540.9	1545.3	1552.0	1554.2	1554.2
12.5°	1520.8	1523.1	1532.0	1534.2	1536.4
15°	1494.1	1498.6	1505.2	1509.7	1509.7
17.5°	1465.2	1469.6	1476.3	1480.7	1480.7
20°	1434.0	1438.4	1445.1	1449.6	1451.8
22.5°	1398.4	1402.8	1409.5	1416.2	1416.2
25°	1358.3	1362.7	1371.6	1378.3	1378.3
27.5°	1316.0	1320.4	1329.3	1336.0	1336.0
30°	1273.7	1275.9	1287.0	1291.5	1293.7
32.5°	1222.5	1229.1	1240.3	1249.2	1255.9
35°	1171.2	1177.9	1191.3	1206.9	1213.5
37.5°	1120.0	1126.7	1142.3	1164.6	1173.5
40°	1064.4	1073.3	1093.3	1122.3	1128.9
42.5°	1010.9	1022.1	1044.3	1077.7	1086.6
45°	955.3	964.2	997.6	1033.2	1042.1
47.5°	904.0	910.7	948.6	988.7	999.8
50°	846.1	855.0	897.4	941.9	955.3
52.5°	788.2	799.4	846.1	892.9	908.5
55°	725.9	741.5	794.9	843.9	859.5
57.5°	663.6	685.8	741.5	790.5	808.3
60°	607.9	627.9	690.3	737.0	752.6
62.5°	550.0	572.3	634.6	681.4	701.4
65°	485.4	514.4	576.7	627.9	641.3
67.5°	427.5	456.5	518.8	565.6	583.4
70°	367.4	400.8	458.7	501.0	521.0
72.5°	305.1	340.7	391.9	436.4	456.5
75°	249.4	282.8	329.6	367.4	380.8
77.5°	193.7	224.9	262.7	285.0	289.5
80°	140.3	164.8	193.7	198.2	195.9
82.5°	93.5	111.3	120.2	115.8	115.8
85°	55.7	60.1	55.7	51.2	44.5
87.5°	20.0	17.8	13.4	8.9	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)