

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: P302089

Luminaire Tested: **ZX-WO-44L940-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-44L940-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (112)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3993.9 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

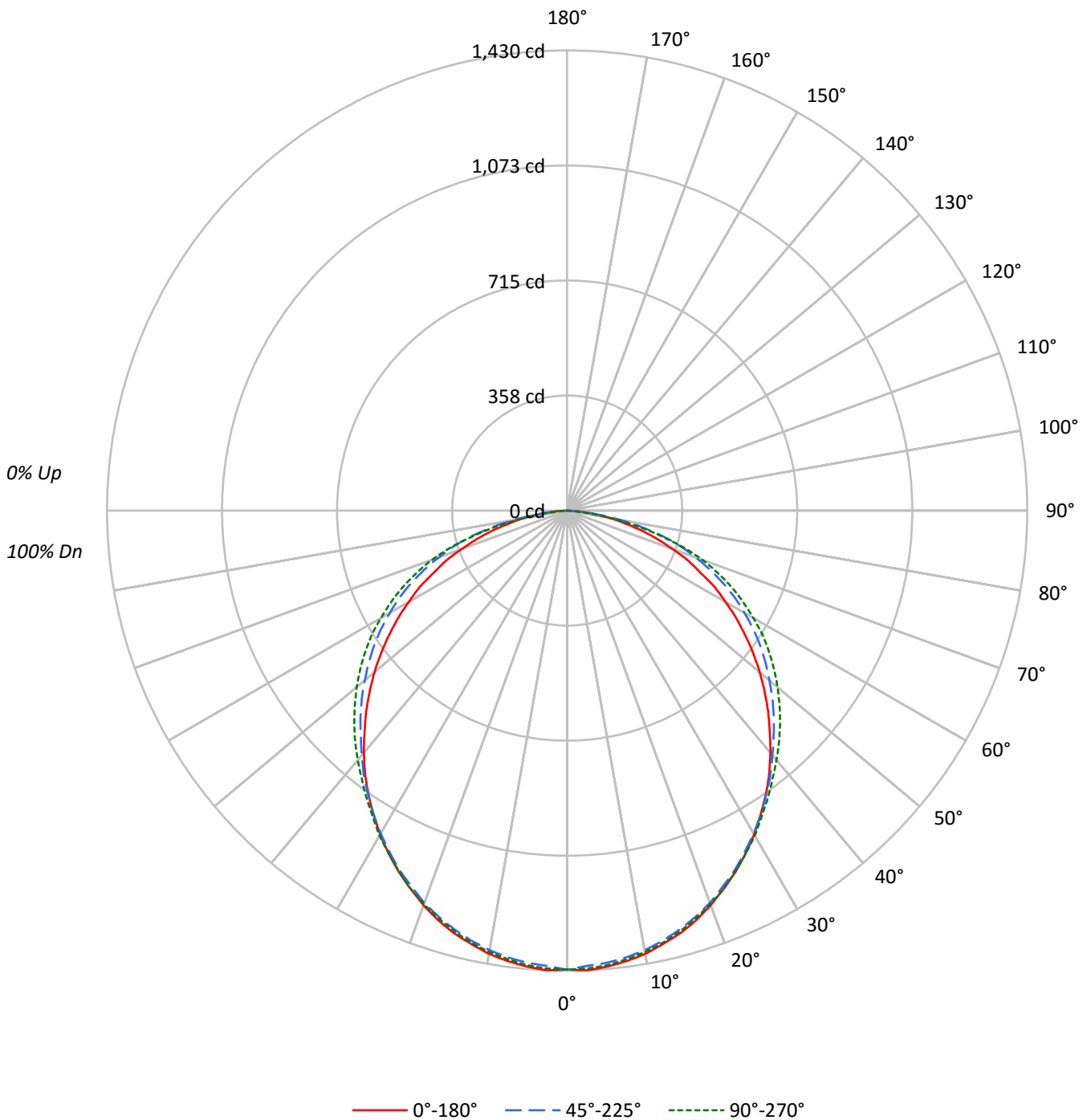
Input Watts (W): 38.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69					69			
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50					50			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3838	3838	3838
5°	3842	3810	3831
10°	3822	3790	3806
15°	3788	3755	3772
20°	3737	3715	3726
25°	3678	3660	3672
30°	3612	3600	3624
35°	3536	3543	3575
40°	3452	3486	3555
45°	3361	3457	3561
50°	3272	3435	3574
55°	3172	3437	3593
60°	3060	3428	3596
65°	2911	3408	3595
70°	2736	3335	3520
75°	2478	3189	3088
80°	2120	2574	2270
85°	1507	1207	361



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	3.4
10°-20°	381.9	9.6
20°-30°	569.6	14.3
30°-40°	676.7	16.9
40°-50°	702.5	17.6
50°-60°	649.6	16.3
60°-70°	517.5	13.0
70°-80°	302.9	7.6
80°-90°	58.8	1.5
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°	1086.0	27.2
0°-40°	1762.7	44.1
0°-60°	3114.8	78.0
0°-90°	3993.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3993.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1426	1426	1426	1426	1426	
5°	1422	1418	1410	1418	1418	135
15°	1360	1358	1348	1358	1354	383
25°	1239	1237	1233	1239	1237	570
35°	1076	1076	1078	1086	1088	673
45°	883	893	908	930	936	681
55°	676	696	733	758	766	604
65°	457	490	535	557	565	456
75°	238	277	307	303	297	252
85°	49	59	39	20	12	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1426.2	1426.2	1426.2	1426.2	1426.2
2.5°	1430.1	1426.2	1416.4	1426.2	1424.2
5°	1422.3	1418.4	1410.5	1418.4	1418.4
7.5°	1412.5	1408.6	1400.8	1408.6	1406.6
10°	1398.8	1394.9	1387.1	1394.9	1393.0
12.5°	1379.3	1377.3	1369.5	1377.3	1375.4
15°	1359.7	1357.8	1348.0	1357.8	1353.9
17.5°	1334.3	1332.4	1324.6	1330.4	1328.5
20°	1305.0	1301.1	1297.2	1303.1	1301.1
22.5°	1271.8	1269.9	1264.0	1273.8	1271.8
25°	1238.6	1236.7	1232.8	1238.6	1236.7
27.5°	1201.5	1199.5	1195.6	1203.5	1201.5
30°	1162.4	1162.4	1158.5	1168.3	1166.3
32.5°	1119.4	1119.4	1119.4	1125.3	1125.3
35°	1076.5	1076.5	1078.4	1086.2	1088.2
37.5°	1031.5	1031.5	1037.4	1049.1	1049.1
40°	982.7	986.6	992.5	1010.0	1012.0
42.5°	931.9	939.7	949.5	971.0	974.9
45°	883.1	892.8	908.5	929.9	935.8
47.5°	832.3	844.0	865.5	888.9	894.8
50°	781.5	797.1	820.5	847.9	853.7
52.5°	728.7	746.3	777.6	804.9	810.8
55°	676.0	695.5	732.6	758.0	765.8
57.5°	623.2	644.7	685.7	711.1	720.9
60°	568.5	592.0	636.9	660.3	668.2
62.5°	517.7	543.1	588.1	609.5	617.4
65°	457.2	490.4	535.3	556.8	564.6
67.5°	408.3	439.6	480.6	504.0	506.0
70°	347.8	386.8	423.9	443.5	447.4
72.5°	293.0	332.1	369.2	377.1	377.1
75°	238.3	277.4	306.7	302.8	297.0
77.5°	183.6	222.7	238.3	224.7	218.8
80°	136.8	170.0	166.1	152.4	146.5
82.5°	89.9	115.3	97.7	82.1	74.2
85°	48.8	58.6	39.1	19.5	11.7
87.5°	17.6	11.7	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)