

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: P189053

Luminaire Tested: **RZL-WF-30L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34815)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RZL-WF-30L830-1D-UNV-STD-W-4  
Description: RZL LINEAR LED FIXTURE  
WITH PERFORATED SIDES, 11-CELL LOUVER AND CURVED SMOOTH FROSTED LENS  
Light Source: (112) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2943.0 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 0.53' x L: 3.83' x H: 0')  
CIE Type: Direct

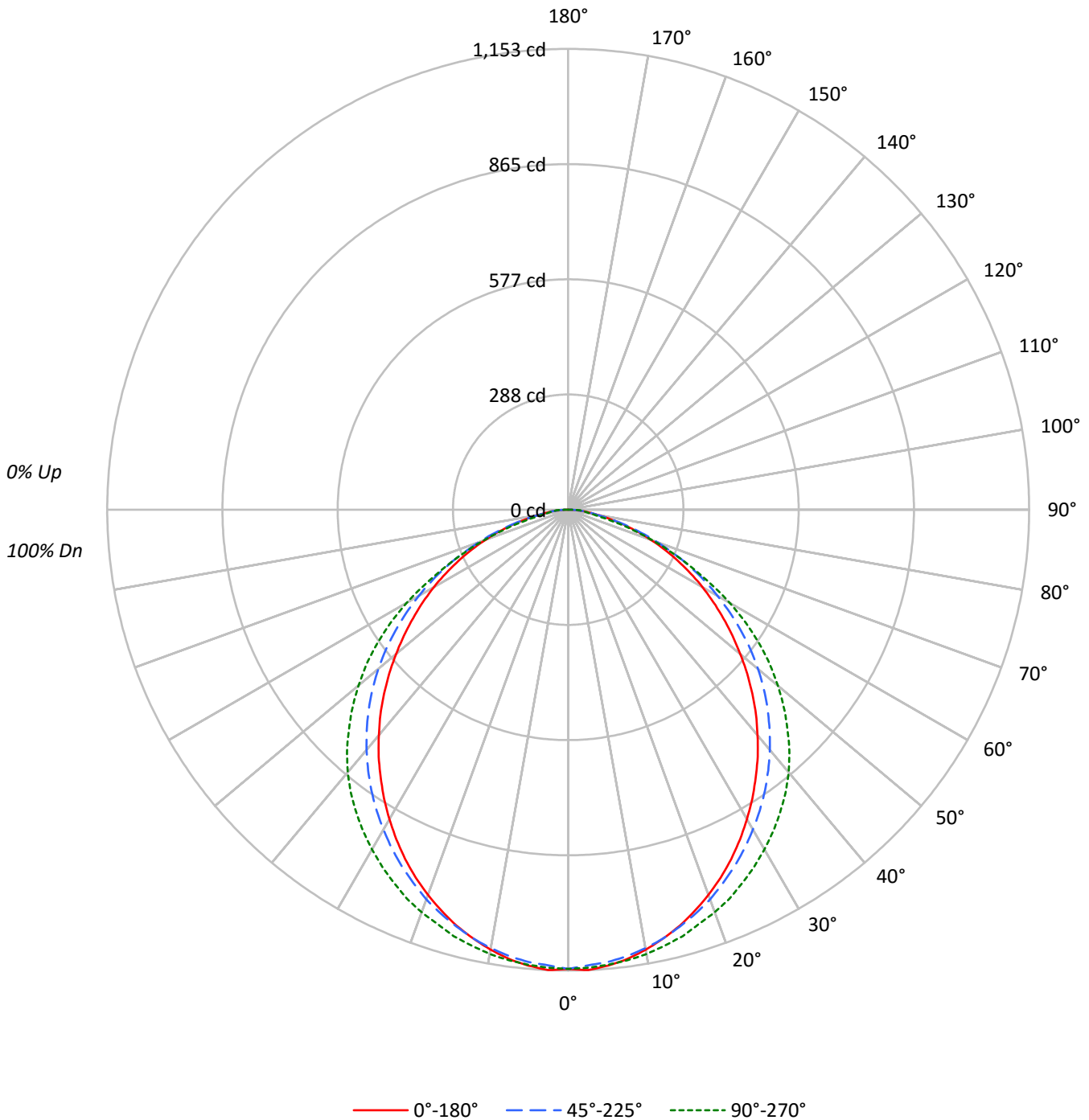
Input Watts (W): 24.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6049	6049	6049
5°	6051	6003	6040
10°	5976	5955	6035
15°	5874	5885	6022
20°	5746	5813	6004
25°	5602	5719	5986
30°	5435	5618	5966
35°	5256	5514	5939
40°	5062	5393	5896
45°	4849	5252	5775
50°	4602	5079	5605
55°	4347	4836	5351
60°	4089	4544	4913
65°	3762	4175	4238
70°	3382	3645	3476
75°	2899	3000	2510
80°	2253	2219	1704
85°	1939	2000	2241



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.3	3.7
10°-20°	306.5	10.4
20°-30°	457.0	15.5
30°-40°	540.8	18.4
40°-50°	546.5	18.6
50°-60°	470.6	16.0
60°-70°	324.6	11.0
70°-80°	151.1	5.1
80°-90°	37.7	1.3
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°	871.8	29.6
0°-40°	1412.5	48.0
0°-60°	2429.6	82.6
0°-90°	2943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2943.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1149	1149	1149	1149	1149	
5°	1145	1141	1136	1145	1143	108
15°	1078	1077	1080	1100	1105	303
25°	964	969	984	1018	1030	444
35°	818	829	858	901	924	511
45°	651	668	705	751	776	502
55°	474	493	527	560	583	424
65°	302	316	335	338	340	300
75°	142	150	148	131	123	152
85°	32	33	33	36	37	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1148.9	1148.9	1148.9	1148.9	1148.9
2.5°	1152.9	1147.9	1140.9	1148.9	1146.9
5°	1144.9	1140.9	1135.9	1144.9	1142.9
7.5°	1133.9	1129.8	1126.8	1137.9	1136.9
10°	1117.8	1115.8	1113.8	1127.8	1128.8
12.5°	1098.7	1097.7	1098.7	1114.8	1116.8
15°	1077.7	1076.7	1079.7	1099.7	1104.8
17.5°	1052.6	1053.6	1059.6	1081.7	1086.7
20°	1025.5	1027.5	1037.5	1063.6	1071.6
22.5°	996.4	999.4	1011.4	1041.5	1053.6
25°	964.3	969.3	984.4	1018.5	1030.5
27.5°	930.2	936.2	955.3	991.4	1007.4
30°	894.0	902.1	924.1	963.3	981.3
32.5°	856.9	865.9	892.0	933.2	954.2
35°	817.8	828.8	857.9	901.1	924.1
37.5°	778.7	790.7	821.8	868.0	893.0
40°	736.5	749.6	784.7	831.8	857.9
42.5°	695.4	709.4	745.5	793.7	818.8
45°	651.2	668.3	705.4	750.6	775.6
47.5°	607.1	624.1	663.3	704.4	731.5
50°	561.9	581.0	620.1	658.2	684.3
52.5°	517.8	538.8	575.0	610.1	636.2
55°	473.6	492.7	526.8	559.9	583.0
57.5°	430.5	448.5	479.6	507.7	526.8
60°	388.3	404.4	431.5	452.5	466.6
62.5°	345.2	361.2	383.3	395.3	402.4
65°	302.0	316.1	335.1	338.2	340.2
67.5°	260.9	273.9	286.0	281.0	282.0
70°	219.7	230.8	236.8	226.8	225.8
72.5°	180.6	188.6	191.7	177.6	172.6
75°	142.5	149.5	147.5	131.4	123.4
77.5°	106.4	112.4	107.4	90.3	80.3
80°	74.3	77.3	73.2	59.2	56.2
82.5°	52.2	52.2	49.2	48.2	47.2
85°	32.1	33.1	33.1	36.1	37.1
87.5°	14.0	16.1	18.1	25.1	27.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)