

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: P189043

Luminaire Tested: **RZL-WL-30L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189043  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34814)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RZL-WL-30L835-1D-UNV-STD-W-4  
Description: RZL LINEAR LED FIXTURE  
WITH LUMINOUS SIDES AND SNAP-ON FROSTED LINEAR PRISMATIC LENS  
Light Source: (112) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3285.9 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.23 / 1.33  
Luminous Opening: Rectangular w/ Sides (W: 0.53' x L: 3.83' x H: 0.12')  
CIE Type: Semi-Direct

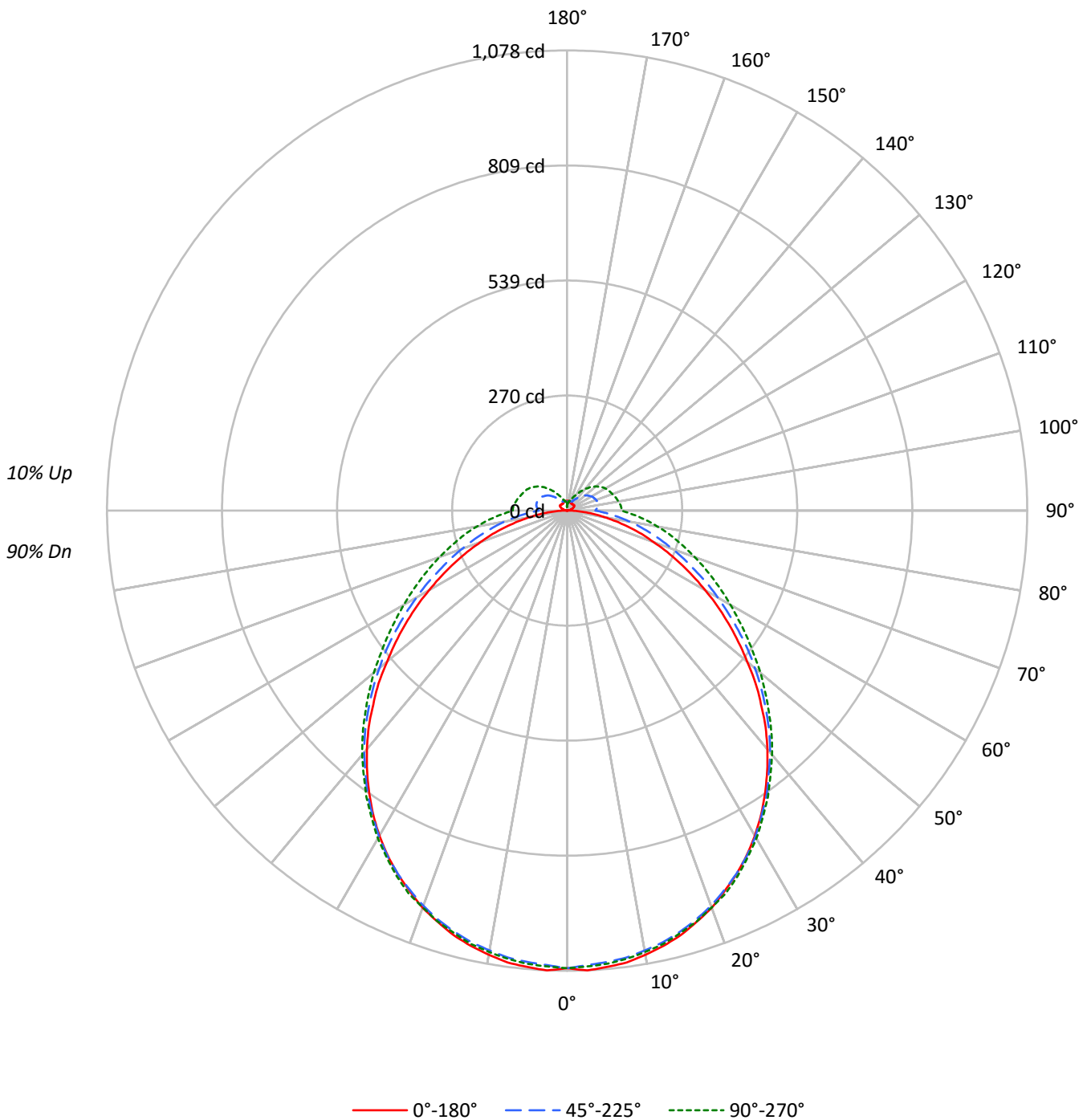
Input Watts (W): 24.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	105	105	105	99	99	99	92	92	92	90
1	106	101	96	92	102	97	93	90	91	88	85	86	83	81	80	78	76	74
2	96	88	81	75	93	85	79	73	80	75	70	75	71	67	70	67	64	61
3	88	77	69	63	84	75	67	61	70	64	59	66	61	57	62	58	54	52
4	80	68	60	53	77	66	58	52	63	56	50	59	53	49	56	51	47	44
5	74	61	52	46	71	59	51	45	56	49	44	53	47	42	50	45	41	38
6	68	55	46	40	66	54	45	39	51	44	38	48	42	37	46	40	36	34
7	63	50	41	35	61	49	41	35	46	39	34	44	38	33	42	36	32	30
8	59	46	37	32	57	45	37	31	42	35	30	40	34	30	38	33	29	27
9	55	42	34	28	53	41	33	28	39	32	27	37	31	27	35	30	26	24
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	33	28	24	22

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

	0°	45°	90°
0°	5645	5645	5645
5°	5655	5520	5520
10°	5616	5413	5392
15°	5563	5299	5254
20°	5483	5165	5107
25°	5377	5011	4948
30°	5249	4833	4749
35°	5079	4623	4525
40°	4880	4390	4291
45°	4634	4122	4032
50°	4340	3840	3783
55°	4048	3539	3530
60°	3724	3235	3310
65°	3398	2927	3123
70°	3040	2654	2975
75°	2702	2396	2864
80°	2252	2167	2788
85°	1778	1959	2770



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.4	3.1
10°-20°	289.3	8.8
20°-30°	433.4	13.2
30°-40°	509.3	15.5
40°-50°	507.5	15.4
50°-60°	437.6	13.3
60°-70°	330.7	10.1
70°-80°	216.6	6.6
80°-90°	115.2	3.5
90°-100°	74.3	2.3
100°-110°	72.8	2.2
110°-120°	65.4	2.0
120°-130°	53.0	1.6
130°-140°	36.9	1.1
140°-150°	22.3	0.7
150°-160°	12.0	0.4
160°-170°	6.3	0.2
170°-180°	1.9	0.1
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0°-30°	824.2	25.1
0°-40°	1333.4	40.6
0°-60°	2278.4	69.3
0°-90°	2941.0	89.5
90°-120°	212.5	6.5
90°-150°	324.7	9.9
90°-180°	345.0	10.5
0°-180°	3285.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1072	1072	1072	1072	1072	
5°	1073	1069	1062	1068	1066	102
15°	1030	1026	1021	1029	1024	290
25°	940	940	939	948	945	432
35°	808	811	814	821	820	505
45°	643	650	658	668	668	496
55°	462	469	490	507	513	413
65°	292	302	330	363	377	290
75°	149	162	201	245	264	159
85°	40	60	102	151	169	43
90°	0	23	66	112	127	3
95°	2	26	70	113	126	3
105°	9	30	74	109	118	10
115°	16	32	69	100	109	16
125°	20	30	61	88	96	18
135°	20	25	47	69	78	16
145°	19	24	32	49	55	12
155°	21	23	24	28	35	9
165°	22	23	23	21	24	6
175°	23	23	21	17	11	2
180°	19	19	19	19	19	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1072.1	1072.1	1072.1	1072.1	1072.1
2.5°	1078.3	1073.1	1065.8	1071.0	1069.0
5°	1073.1	1069.0	1061.7	1067.9	1065.8
7.5°	1067.9	1062.7	1056.5	1062.7	1059.6
10°	1056.5	1052.4	1046.2	1054.5	1050.3
12.5°	1044.1	1041.0	1035.8	1043.1	1040.0
15°	1029.6	1025.5	1021.3	1028.6	1024.5
17.5°	1010.0	1007.9	1004.8	1013.1	1008.9
20°	990.3	987.2	985.1	994.4	989.3
22.5°	964.4	964.4	962.4	971.7	970.6
25°	939.6	939.6	938.6	947.9	944.8
27.5°	910.6	910.6	911.7	917.9	915.8
30°	879.6	879.6	881.7	888.9	886.8
32.5°	845.4	847.5	847.5	854.7	852.7
35°	808.2	811.3	814.4	820.6	819.6
37.5°	769.9	773.0	776.1	784.4	782.3
40°	729.5	733.7	739.9	748.2	747.1
42.5°	688.1	691.2	700.6	707.8	708.8
45°	642.6	649.9	658.1	668.5	668.5
47.5°	599.2	605.4	616.7	628.1	629.2
50°	550.5	560.9	574.3	586.7	590.9
52.5°	506.0	515.3	532.9	546.4	550.5
55°	461.5	468.8	489.5	507.1	513.3
57.5°	418.1	425.3	448.1	469.8	476.0
60°	373.6	383.9	407.7	433.6	441.9
62.5°	332.2	341.5	369.4	397.4	408.7
65°	291.8	302.2	330.1	363.2	376.7
67.5°	253.5	264.9	296.0	331.1	346.7
70°	215.2	227.7	261.8	301.1	317.7
72.5°	183.2	194.5	230.8	272.2	289.7
75°	149.0	162.5	200.8	245.2	263.9
77.5°	118.0	132.5	173.8	219.4	240.1
80°	88.0	106.6	148.0	195.6	214.2
82.5°	64.2	80.7	124.2	172.8	191.4
85°	40.4	60.0	102.4	151.1	168.7
87.5°	19.7	40.4	82.8	128.3	145.9
90°	0.0	22.8	66.2	111.8	127.3
92.5°	1.0	23.8	68.3	112.8	127.3
95°	2.1	25.9	70.4	112.8	126.2
97.5°	4.1	26.9	72.4	112.8	124.2
100°	6.2	27.9	73.5	111.8	122.1
102.5°	7.2	29.0	73.5	110.7	120.0
105°	9.3	30.0	73.5	108.7	118.0
107.5°	10.3	31.0	73.5	106.6	114.9
110°	12.4	31.0	72.4	104.5	112.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	14.5	32.1	71.4	102.4	110.7
115°	15.5	32.1	69.3	100.4	108.7
117.5°	17.6	32.1	68.3	97.3	106.6
120°	18.6	32.1	66.2	94.2	103.5
122.5°	19.7	31.0	63.1	91.1	100.4
125°	19.7	30.0	61.1	88.0	96.2
127.5°	20.7	29.0	57.9	82.8	92.1
130°	20.7	27.9	54.8	78.6	88.0
132.5°	20.7	25.9	50.7	74.5	82.8
135°	19.7	24.8	46.6	69.3	77.6
137.5°	19.7	24.8	42.4	64.2	71.4
140°	19.7	23.8	39.3	59.0	66.2
142.5°	19.7	23.8	35.2	53.8	60.0
145°	18.6	23.8	32.1	48.6	54.8
147.5°	18.6	23.8	29.0	43.5	48.6
150°	19.7	22.8	25.9	37.3	43.5
152.5°	19.7	22.8	23.8	33.1	39.3
155°	20.7	22.8	23.8	27.9	35.2
157.5°	20.7	22.8	22.8	24.8	31.0
160°	21.7	22.8	22.8	22.8	27.9
162.5°	21.7	22.8	22.8	21.7	25.9
165°	21.7	22.8	22.8	20.7	23.8
167.5°	22.8	22.8	21.7	19.7	22.8
170°	22.8	22.8	21.7	18.6	21.7
172.5°	22.8	22.8	21.7	17.6	18.6
175°	22.8	22.8	20.7	16.6	11.4
177.5°	22.8	22.8	20.7	16.6	8.3
180°	18.6	18.6	18.6	18.6	18.6

(END OF REPORT)