

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: P189032

Luminaire Tested: **RZL-WB-80L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189032  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34813)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RZL-WB-80L835-1D-UNV-STD-W-4  
Description: RZL LINEAR LED FIXTURE  
WITH LUMINOUS SIDES, SNAP-ON CLEAR LINEAR PRISMATIC LENS AND INTERNAL  
BAFFLE  
Light Source: (224) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8078.1 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.22 / 1.27  
Luminous Opening: Rectangular w/ Sides (W: 0.53' x L: 3.83' x H: 0.12')  
CIE Type: Semi-Direct

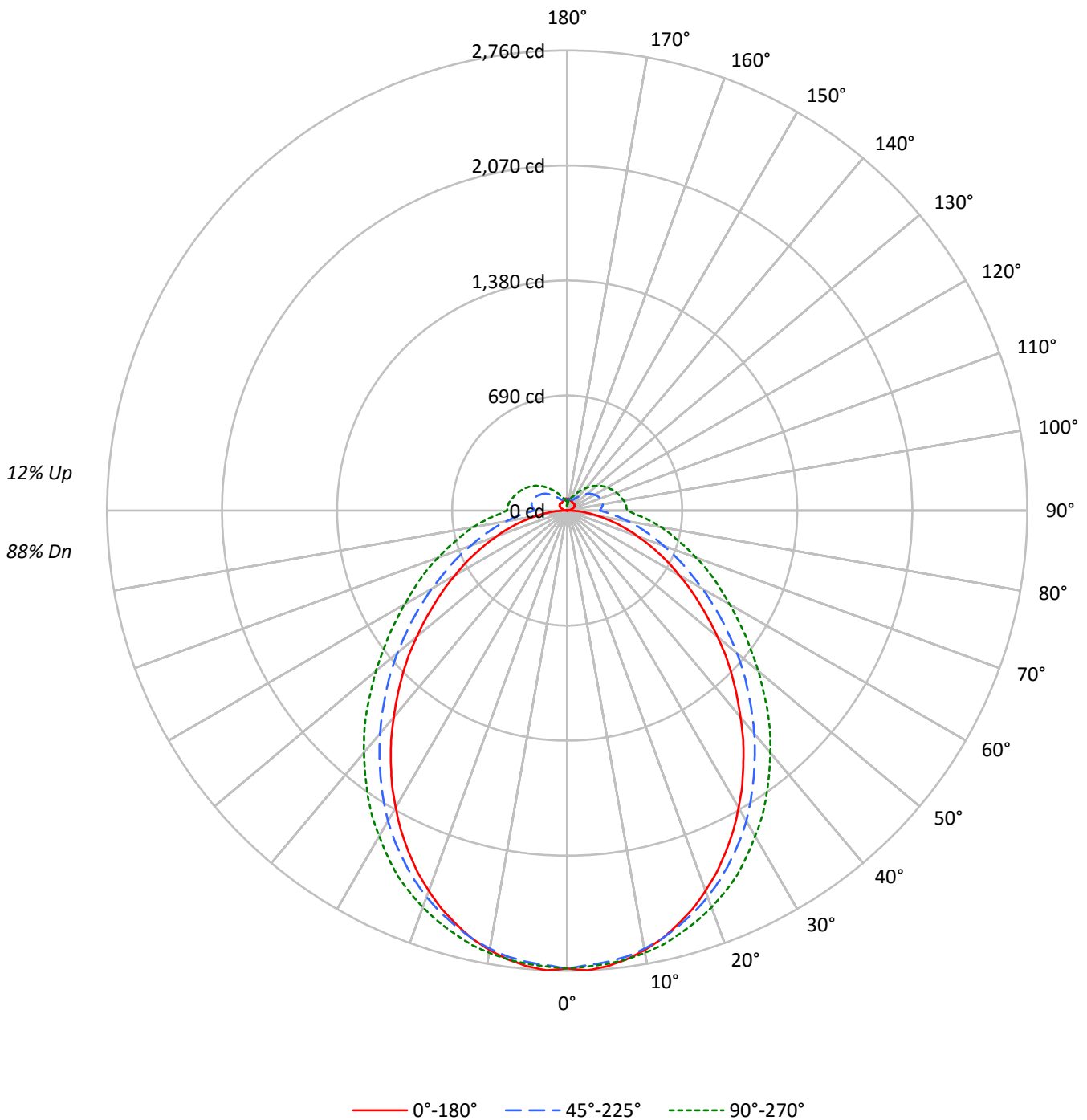
Input Watts (W): 74.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88				
1	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72				
2	96	88	81	75	92	85	78	73	79	74	70	74	70	66	69	66	63	60				
3	88	77	69	63	84	75	67	61	70	64	59	66	60	56	61	57	54	51				
4	80	68	60	53	77	66	58	52	62	56	50	59	53	48	55	50	46	44				
5	74	61	52	46	71	59	51	45	56	49	44	53	47	42	50	45	40	38				
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	34				
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	41	36	32	30				
8	59	46	38	32	57	45	37	31	42	35	31	40	34	30	38	33	29	27				
9	55	42	34	29	53	41	34	28	39	32	28	37	31	27	35	30	26	24				
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	28	24	22				

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

	0°	45°	90°
0°	14460	14460	14460
5°	14459	14135	14137
10°	14230	13808	13829
15°	13879	13384	13458
20°	13438	12927	13074
25°	12901	12378	12636
30°	12275	11780	12073
35°	11582	11078	11511
40°	10824	10358	10889
45°	10083	9611	10262
50°	9271	8885	9594
55°	8485	8140	8967
60°	7730	7434	8432
65°	7056	6803	8044
70°	6362	6228	7705
75°	5646	5806	7450
80°	4836	5454	7455
85°	4035	5211	7486



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.1	3.2
10°-20°	730.9	9.0
20°-30°	1071.3	13.3
30°-40°	1225.9	15.2
40°-50°	1191.5	14.7
50°-60°	1012.9	12.5
60°-70°	772.0	9.6
70°-80°	524.2	6.5
80°-90°	303.3	3.8
90°-100°	215.6	2.7
100°-110°	210.6	2.6
110°-120°	185.4	2.3
120°-130°	147.0	1.8
130°-140°	102.5	1.3
140°-150°	63.6	0.8
150°-160°	36.3	0.4
160°-170°	19.8	0.2
170°-180°	6.1	0.1
0°-30°	2061.3	25.5
0°-40°	3287.2	40.7
0°-60°	5491.6	68.0
0°-90°	7091.1	87.8
90°-120°	611.6	7.6
90°-150°	924.7	11.4
90°-180°	987.0	12.2
0°-180°	8078.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2746	2746	2746	2746	2746	
5°	2744	2735	2719	2735	2730	260
15°	2569	2574	2580	2621	2624	723
25°	2254	2271	2318	2391	2413	1037
35°	1843	1876	1952	2052	2085	1152
45°	1398	1437	1534	1654	1701	1078
55°	967	1009	1126	1251	1304	868
65°	606	642	767	912	970	603
75°	311	353	486	628	687	332
85°	92	147	272	406	456	94
90°	0	70	197	322	361	6
95°	6	75	208	328	356	7
105°	25	89	217	314	331	26
115°	44	94	203	284	297	43
125°	56	86	175	239	256	49
135°	58	72	133	189	206	45
145°	56	70	92	136	150	35
155°	61	70	72	86	103	29
165°	70	70	70	67	75	19
175°	72	72	67	53	42	7
180°	58	58	58	58	58	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2746.5	2746.5	2746.5	2746.5	2746.5
2.5°	2760.4	2749.3	2729.8	2743.7	2738.2
5°	2743.7	2735.4	2718.7	2735.4	2729.8
7.5°	2715.9	2710.4	2699.3	2718.7	2715.9
10°	2677.0	2674.2	2668.7	2696.5	2693.7
12.5°	2629.8	2629.8	2629.8	2663.1	2665.9
15°	2568.6	2574.2	2579.7	2621.4	2624.2
17.5°	2504.7	2513.0	2526.9	2577.0	2582.5
20°	2426.8	2438.0	2465.8	2524.1	2532.5
22.5°	2346.2	2360.1	2396.3	2460.2	2474.1
25°	2254.5	2271.2	2318.4	2390.7	2412.9
27.5°	2160.0	2182.2	2237.8	2312.9	2335.1
30°	2057.1	2084.9	2148.9	2229.5	2254.5
32.5°	1954.3	1984.8	2051.6	2140.5	2176.6
35°	1843.1	1876.4	1951.5	2051.6	2084.9
37.5°	1734.6	1770.8	1848.6	1957.0	1990.4
40°	1617.9	1665.2	1745.8	1857.0	1895.9
42.5°	1506.7	1551.2	1640.1	1756.9	1801.4
45°	1398.3	1437.2	1534.5	1654.0	1701.3
47.5°	1289.9	1328.8	1434.4	1548.4	1592.9
50°	1175.9	1214.8	1328.8	1451.1	1498.4
52.5°	1070.3	1109.2	1223.1	1345.5	1395.5
55°	967.4	1009.1	1125.9	1250.9	1303.8
57.5°	872.9	909.0	1028.6	1159.2	1212.0
60°	775.6	814.5	936.8	1070.3	1125.9
62.5°	692.2	725.5	845.1	986.9	1045.2
65°	606.0	642.2	767.2	911.8	970.2
67.5°	525.4	564.3	689.4	836.7	897.9
70°	450.3	489.3	614.4	764.5	822.8
72.5°	380.8	422.5	547.6	695.0	753.3
75°	311.3	353.0	486.5	628.3	686.6
77.5°	247.4	297.4	428.1	572.7	628.3
80°	189.0	241.8	372.5	514.3	572.7
82.5°	136.2	191.8	319.7	461.5	511.5
85°	91.7	147.3	272.4	405.9	455.9
87.5°	44.5	105.6	230.7	358.6	397.5
90°	0.0	69.5	197.4	322.5	361.4
92.5°	2.8	72.3	200.2	325.2	355.8
95°	5.6	75.1	208.5	328.0	355.8
97.5°	11.1	80.6	214.1	328.0	353.0
100°	16.7	83.4	216.8	325.2	344.7
102.5°	19.5	86.2	216.8	322.5	336.4
105°	25.0	89.0	216.8	314.1	330.8
107.5°	27.8	91.7	216.8	308.6	322.5
110°	33.4	91.7	211.3	300.2	314.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	38.9	91.7	208.5	291.9	305.8
115°	44.5	94.5	202.9	283.5	297.4
117.5°	47.3	91.7	197.4	272.4	286.3
120°	52.8	91.7	189.0	261.3	278.0
122.5°	52.8	89.0	183.5	250.2	266.9
125°	55.6	86.2	175.1	239.1	255.7
127.5°	55.6	83.4	166.8	228.0	244.6
130°	58.4	77.8	155.7	214.1	230.7
132.5°	58.4	75.1	144.6	202.9	219.6
135°	58.4	72.3	133.4	189.0	205.7
137.5°	58.4	72.3	122.3	175.1	191.8
140°	58.4	69.5	111.2	164.0	177.9
142.5°	55.6	69.5	102.9	150.1	164.0
145°	55.6	69.5	91.7	136.2	150.1
147.5°	55.6	69.5	86.2	122.3	136.2
150°	58.4	69.5	77.8	108.4	125.1
152.5°	61.2	69.5	72.3	97.3	114.0
155°	61.2	69.5	72.3	86.2	102.9
157.5°	63.9	69.5	72.3	75.1	91.7
160°	63.9	69.5	72.3	69.5	86.2
162.5°	66.7	69.5	72.3	69.5	80.6
165°	69.5	69.5	69.5	66.7	75.1
167.5°	69.5	72.3	69.5	61.2	72.3
170°	72.3	72.3	69.5	58.4	66.7
172.5°	72.3	72.3	66.7	55.6	52.8
175°	72.3	72.3	66.7	52.8	41.7
177.5°	72.3	72.3	66.7	52.8	25.0
180°	58.4	58.4	58.4	58.4	58.4

(END OF REPORT)