

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: P189056

Luminaire Tested: **RZL-WF-680L8830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189056  
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-680L8830-1D-UNV-STD-W-4  
Description: RZL LINEAR LED FIXTURE  
WITH PERFORATED SIDES, 11-CELL LOUVER AND CURVED SMOOTH FROSTED LENS  
Light Source: (224) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6439.6 lumens  
Efficiency: N/A  
Efficacy: 114.0 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

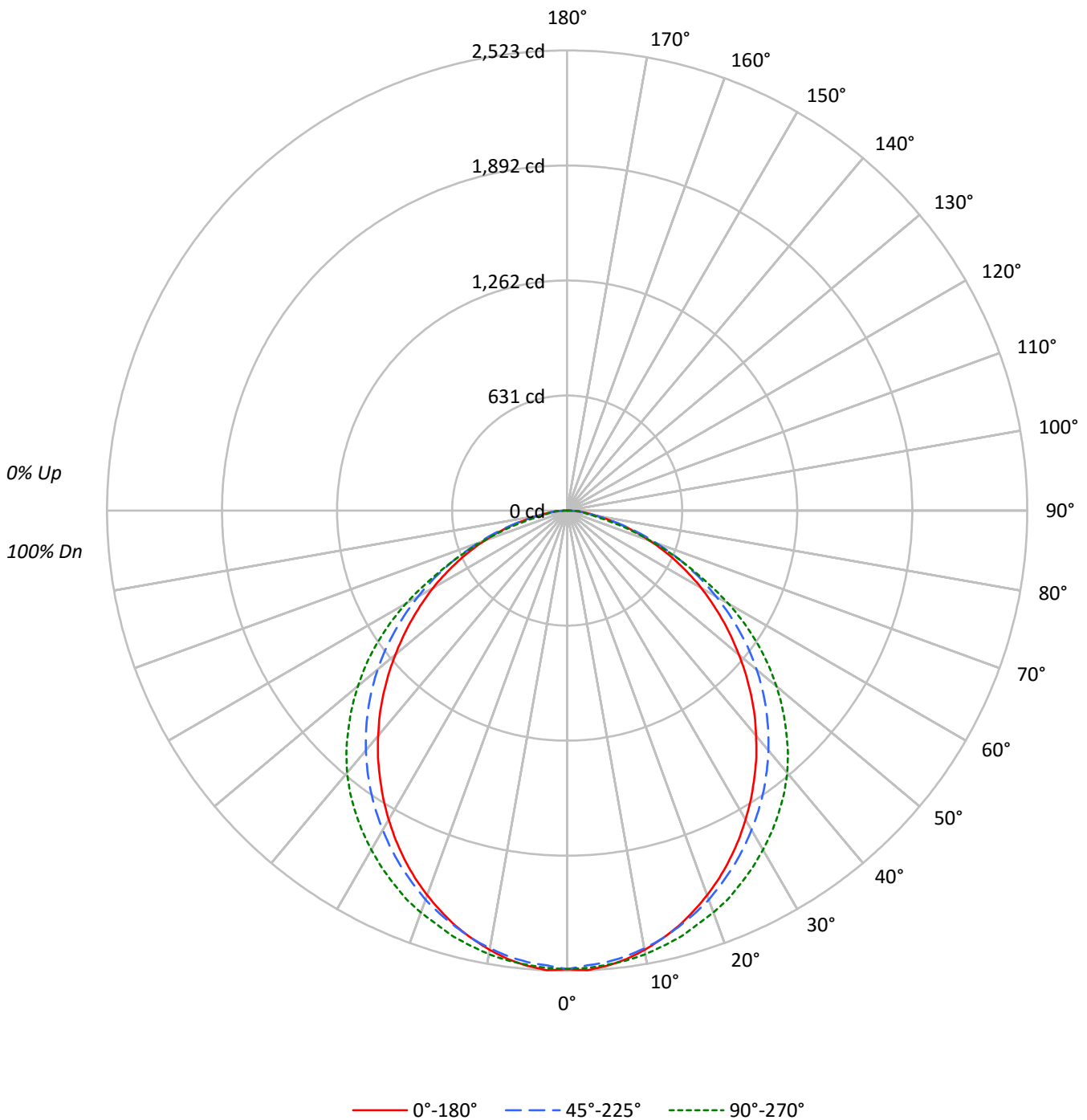
Input Watts (W): 56.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	13236	13236	13236
5°	13240	13136	13217
10°	13076	13029	13205
15°	12853	12877	13176
20°	12572	12720	13138
25°	12258	12513	13099
30°	11893	12293	13054
35°	11501	12065	12997
40°	11076	11800	12902
45°	10609	11493	12637
50°	10071	11114	12265
55°	9512	10581	11709
60°	8947	9941	10750
65°	8233	9135	9272
70°	7401	7977	7604
75°	6343	6566	5494
80°	4927	4860	3729
85°	4247	4380	4905



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.9	3.7
10°-20°	670.6	10.4
20°-30°	1000.0	15.5
30°-40°	1183.3	18.4
40°-50°	1195.7	18.6
50°-60°	1029.7	16.0
60°-70°	710.3	11.0
70°-80°	330.7	5.1
80°-90°	82.4	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°	1907.5	29.6
0°-40°	3090.8	48.0
0°-60°	5316.2	82.6
0°-90°	6439.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6439.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2514	2514	2514	2514	2514	
5°	2505	2496	2485	2505	2501	237
15°	2358	2356	2362	2406	2417	664
25°	2110	2121	2154	2228	2255	971
35°	1789	1814	1877	1972	2022	1119
45°	1425	1462	1544	1642	1697	1099
55°	1036	1078	1153	1225	1276	928
65°	661	692	733	740	744	656
75°	312	327	323	288	270	332
85°	70	72	72	79	81	81
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2513.9	2513.9	2513.9	2513.9	2513.9
2.5°	2522.7	2511.7	2496.4	2513.9	2509.5
5°	2505.2	2496.4	2485.4	2505.2	2500.8
7.5°	2481.0	2472.2	2465.6	2489.8	2487.6
10°	2445.9	2441.5	2437.1	2467.8	2470.0
12.5°	2404.2	2402.0	2404.2	2439.3	2443.7
15°	2358.1	2355.9	2362.4	2406.4	2417.3
17.5°	2303.2	2305.4	2318.5	2366.8	2377.8
20°	2243.9	2248.3	2270.2	2327.3	2344.9
22.5°	2180.2	2186.8	2213.1	2279.0	2305.4
25°	2110.0	2120.9	2153.9	2228.5	2254.9
27.5°	2035.3	2048.5	2090.2	2169.2	2204.4
30°	1956.3	1973.8	2022.1	2107.8	2147.3
32.5°	1875.0	1894.8	1951.9	2041.9	2088.0
35°	1789.4	1813.6	1877.2	1971.6	2022.1
37.5°	1703.8	1730.1	1798.2	1899.2	1954.1
40°	1611.6	1640.1	1716.9	1820.1	1877.2
42.5°	1521.5	1552.3	1631.3	1736.7	1791.6
45°	1424.9	1462.3	1543.5	1642.3	1697.2
47.5°	1328.3	1365.7	1451.3	1541.3	1600.6
50°	1229.5	1271.2	1356.9	1440.3	1497.4
52.5°	1132.9	1179.0	1258.1	1334.9	1392.0
55°	1036.3	1078.0	1152.7	1225.1	1275.6
57.5°	941.9	981.4	1049.5	1111.0	1152.7
60°	849.7	884.8	944.1	990.2	1020.9
62.5°	755.3	790.4	838.7	865.1	880.4
65°	660.9	691.6	733.3	739.9	744.3
67.5°	570.9	599.4	625.7	614.8	617.0
70°	480.8	505.0	518.2	496.2	494.0
72.5°	395.2	412.8	419.4	388.6	377.6
75°	311.8	327.1	322.8	287.6	270.1
77.5°	232.7	245.9	234.9	197.6	175.6
80°	162.5	169.1	160.3	129.5	123.0
82.5°	114.2	114.2	107.6	105.4	103.2
85°	70.3	72.5	72.5	79.0	81.2
87.5°	30.7	35.1	39.5	54.9	59.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)