

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: P189062

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189062
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-80L835-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH PERFORATED SIDES, 11-CELL LOUVER AND CURVED SMOOTH FROSTED LENS
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8180.9 lumens
Efficiency: N/A
Efficacy: 109.4 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

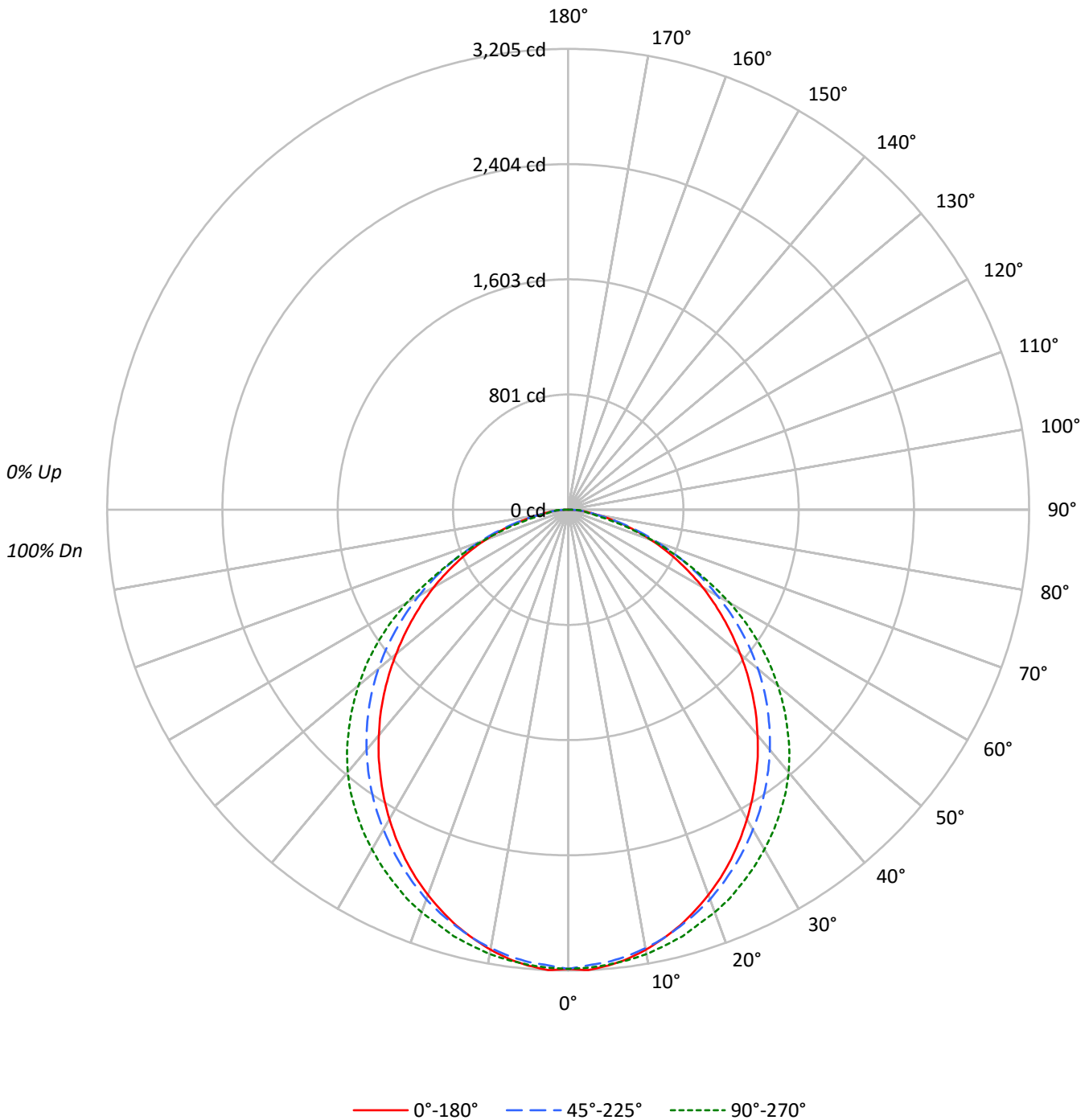
Input Watts (W): 74.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	16815	16815	16815
5°	16820	16688	16791
10°	16612	16552	16776
15°	16329	16359	16739
20°	15972	16159	16691
25°	15572	15896	16641
30°	15109	15618	16584
35°	14611	15328	16511
40°	14071	14991	16391
45°	13479	14600	16054
50°	12794	14119	15581
55°	12084	13442	14876
60°	11367	12630	13657
65°	10460	11606	11780
70°	9404	10134	9661
75°	8058	8340	6979
80°	6258	6173	4736
85°	5394	5558	6234



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.0	3.7
10°-20°	851.9	10.4
20°-30°	1270.4	15.5
30°-40°	1503.2	18.4
40°-50°	1519.1	18.6
50°-60°	1308.2	16.0
60°-70°	902.4	11.0
70°-80°	420.1	5.1
80°-90°	104.7	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°	2423.3	29.6
0°-40°	3926.5	48.0
0°-60°	6753.8	82.6
0°-90°	8180.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8180.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3194	3194	3194	3194	3194	
5°	3183	3171	3158	3183	3177	301
15°	2996	2993	3001	3057	3071	844
25°	2680	2694	2736	2831	2865	1234
35°	2273	2304	2385	2505	2569	1422
45°	1810	1858	1961	2086	2156	1396
55°	1316	1370	1464	1556	1621	1179
65°	840	879	932	940	946	833
75°	396	416	410	365	343	422
85°	89	92	92	100	103	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3193.7	3193.7	3193.7	3193.7	3193.7
2.5°	3204.9	3190.9	3171.4	3193.7	3188.2
5°	3182.6	3171.4	3157.5	3182.6	3177.0
7.5°	3151.9	3140.7	3132.4	3163.1	3160.3
10°	3107.3	3101.7	3096.1	3135.2	3138.0
12.5°	3054.3	3051.5	3054.3	3098.9	3104.5
15°	2995.7	2992.9	3001.3	3057.1	3071.0
17.5°	2926.0	2928.8	2945.5	3006.9	3020.8
20°	2850.7	2856.2	2884.1	2956.6	2979.0
22.5°	2769.8	2778.1	2811.6	2895.3	2928.8
25°	2680.5	2694.5	2736.3	2831.1	2864.6
27.5°	2585.7	2602.4	2655.4	2755.8	2800.4
30°	2485.3	2507.6	2568.9	2677.7	2727.9
32.5°	2382.1	2407.2	2479.7	2594.0	2652.6
35°	2273.3	2304.0	2384.8	2504.8	2568.9
37.5°	2164.5	2198.0	2284.4	2412.7	2482.5
40°	2047.3	2083.6	2181.2	2312.3	2384.8
42.5°	1933.0	1972.0	2072.4	2206.3	2276.1
45°	1810.3	1857.7	1960.9	2086.4	2156.1
47.5°	1687.5	1734.9	1843.7	1958.1	2033.4
50°	1562.0	1615.0	1723.8	1829.8	1902.3
52.5°	1439.3	1497.8	1598.3	1695.9	1768.4
55°	1316.5	1369.5	1464.4	1556.4	1620.6
57.5°	1196.6	1246.8	1333.3	1411.4	1464.4
60°	1079.5	1124.1	1199.4	1258.0	1297.0
62.5°	959.5	1004.1	1065.5	1099.0	1118.5
65°	839.6	878.6	931.6	940.0	945.6
67.5°	725.2	761.5	794.9	781.0	783.8
70°	610.9	641.5	658.3	630.4	627.6
72.5°	502.1	524.4	532.8	493.7	479.8
75°	396.1	415.6	410.0	365.4	343.1
77.5°	295.7	312.4	298.5	251.0	223.1
80°	206.4	214.8	203.6	164.6	156.2
82.5°	145.0	145.0	136.7	133.9	131.1
85°	89.3	92.0	92.0	100.4	103.2
87.5°	39.1	44.6	50.2	69.7	75.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)