

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: P189059

Luminaire Tested: **RZL-WF-40L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189059
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-40L835-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH PERFORATED SIDES, 11-CELL LOUVER AND CURVED SMOOTH FROSTED LENS
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4035.6 lumens
Efficiency: N/A
Efficacy: 116.3 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

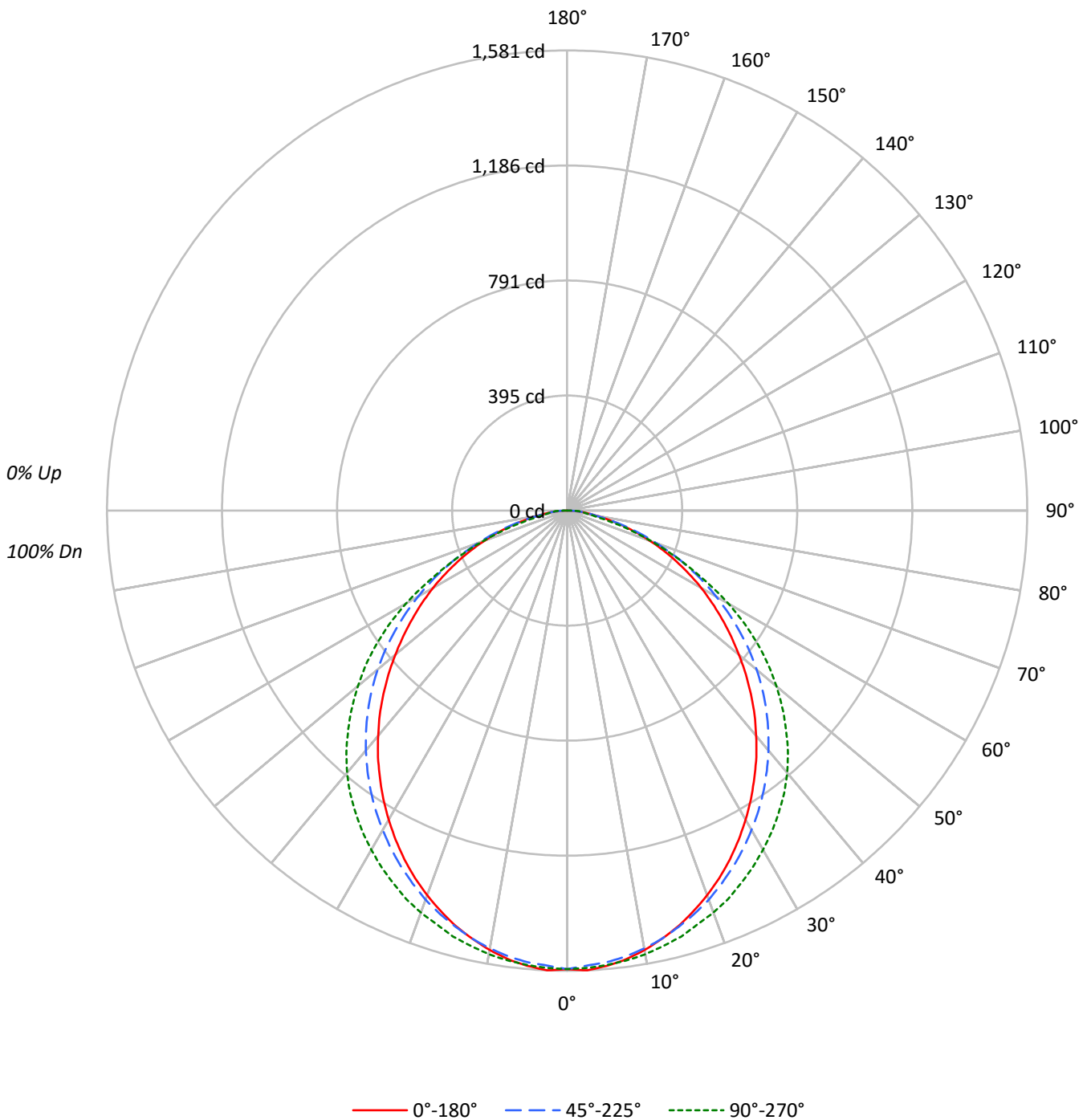
Input Watts (W): 34.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8295	8295	8295
5°	8297	8232	8283
10°	8195	8165	8275
15°	8055	8070	8257
20°	7879	7971	8233
25°	7682	7841	8209
30°	7453	7704	8181
35°	7208	7561	8145
40°	6941	7395	8085
45°	6649	7202	7919
50°	6311	6965	7686
55°	5961	6631	7338
60°	5607	6231	6737
65°	5160	5726	5810
70°	4638	4998	4766
75°	3975	4115	3442
80°	3087	3044	2338
85°	2658	2743	3075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	3.7
10°-20°	420.2	10.4
20°-30°	626.7	15.5
30°-40°	741.5	18.4
40°-50°	749.3	18.6
50°-60°	645.3	16.0
60°-70°	445.1	11.0
70°-80°	207.2	5.1
80°-90°	51.6	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°	1195.4	29.6
0°-40°	1936.9	48.0
0°-60°	3331.6	82.6
0°-90°	4035.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4035.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1576	1576	1576	1576	1576	
5°	1570	1564	1558	1570	1567	149
15°	1478	1476	1480	1508	1515	416
25°	1322	1329	1350	1397	1413	609
35°	1121	1136	1176	1236	1267	701
45°	893	916	967	1029	1064	688
55°	649	676	722	768	799	581
65°	414	433	460	464	466	411
75°	195	205	202	180	169	208
85°	44	45	45	50	51	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1575.5	1575.5	1575.5	1575.5	1575.5
2.5°	1581.0	1574.1	1564.4	1575.5	1572.7
5°	1569.9	1564.4	1557.6	1569.9	1567.2
7.5°	1554.8	1549.3	1545.2	1560.3	1558.9
10°	1532.8	1530.0	1527.3	1546.6	1547.9
12.5°	1506.7	1505.3	1506.7	1528.7	1531.4
15°	1477.8	1476.4	1480.5	1508.0	1514.9
17.5°	1443.4	1444.7	1453.0	1483.3	1490.1
20°	1406.2	1409.0	1422.7	1458.5	1469.5
22.5°	1366.3	1370.4	1386.9	1428.2	1444.7
25°	1322.3	1329.2	1349.8	1396.6	1413.1
27.5°	1275.5	1283.8	1309.9	1359.4	1381.4
30°	1226.0	1237.0	1267.2	1320.9	1345.7
32.5°	1175.1	1187.4	1223.2	1279.6	1308.5
35°	1121.4	1136.5	1176.4	1235.6	1267.2
37.5°	1067.7	1084.2	1126.9	1190.2	1224.6
40°	1009.9	1027.8	1076.0	1140.7	1176.4
42.5°	953.5	972.8	1022.3	1088.4	1122.8
45°	893.0	916.4	967.3	1029.2	1063.6
47.5°	832.4	855.8	909.5	965.9	1003.1
50°	770.5	796.7	850.3	902.6	938.4
52.5°	710.0	738.9	788.4	836.6	872.3
55°	649.4	675.6	722.4	767.8	799.4
57.5°	590.3	615.0	657.7	696.2	722.4
60°	532.5	554.5	591.7	620.5	639.8
62.5°	473.3	495.3	525.6	542.1	551.8
65°	414.2	433.4	459.6	463.7	466.4
67.5°	357.7	375.6	392.1	385.3	386.6
70°	301.3	316.5	324.7	311.0	309.6
72.5°	247.7	258.7	262.8	243.5	236.7
75°	195.4	205.0	202.3	180.2	169.2
77.5°	145.8	154.1	147.2	123.8	110.1
80°	101.8	105.9	100.4	81.2	77.1
82.5°	71.5	71.5	67.4	66.0	64.7
85°	44.0	45.4	45.4	49.5	50.9
87.5°	19.3	22.0	24.8	34.4	37.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)