

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: P189058

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189058
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-30L835-1D-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: 3044.8 lumens
Efficiency: N/A
Efficacy: 122.8 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

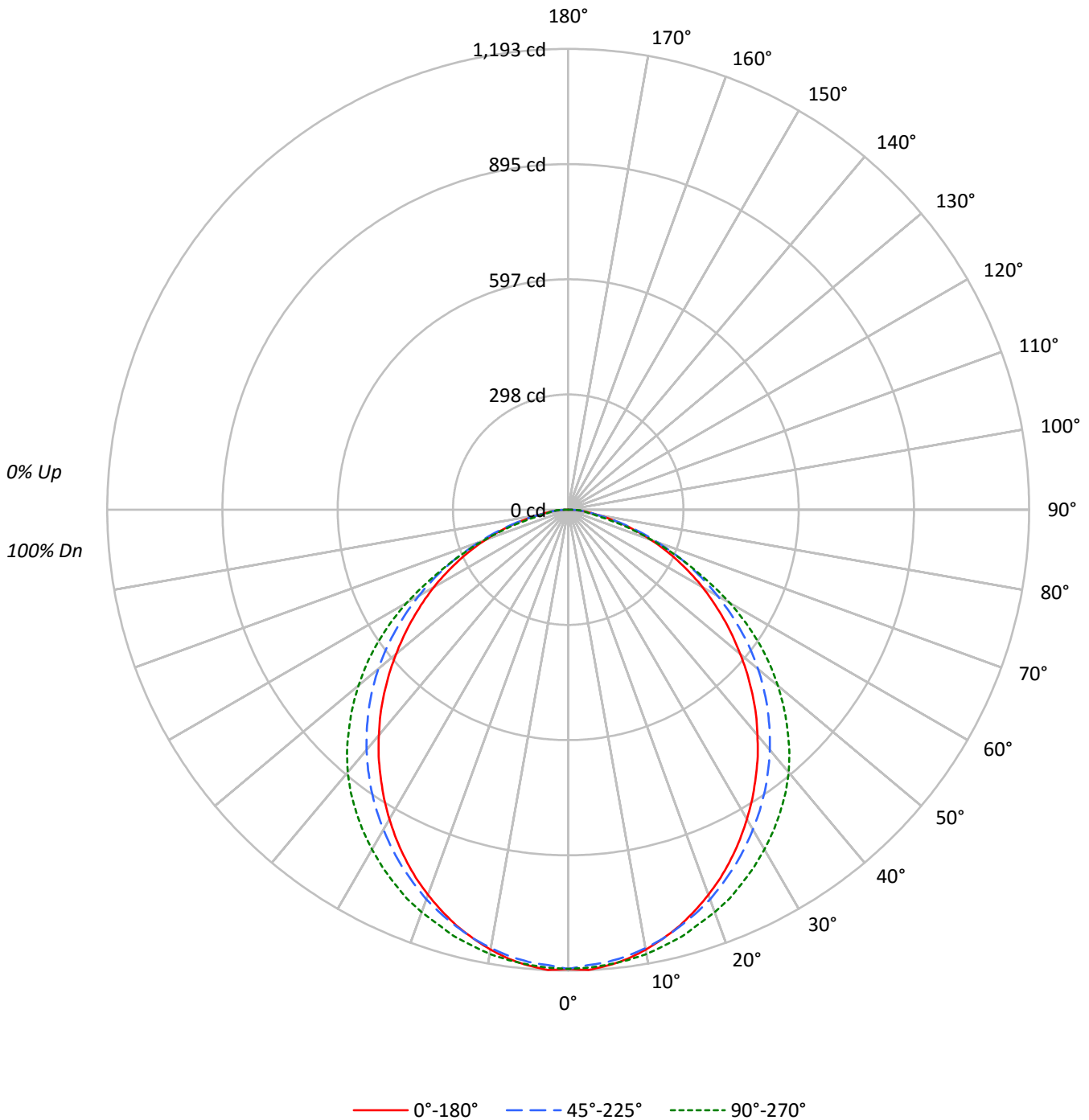
Input Watts (W): 24.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6258	6258	6258
5°	6260	6211	6249
10°	6183	6160	6244
15°	6077	6088	6230
20°	5945	6014	6212
25°	5795	5916	6194
30°	5623	5813	6172
35°	5438	5705	6145
40°	5237	5579	6100
45°	5016	5434	5975
50°	4762	5255	5799
55°	4498	5003	5537
60°	4231	4701	5083
65°	3893	4319	4384
70°	3501	3771	3596
75°	2998	3104	2598
80°	2329	2298	1762
85°	2006	2072	2320



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.0	3.7
10°-20°	317.1	10.4
20°-30°	472.8	15.5
30°-40°	559.5	18.4
40°-50°	565.4	18.6
50°-60°	486.9	16.0
60°-70°	335.8	11.0
70°-80°	156.4	5.1
80°-90°	39.0	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°	901.9	29.6
0°-40°	1461.4	48.0
0°-60°	2513.7	82.6
0°-90°	3044.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3044.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1189	1189	1189	1189	1189	
5°	1184	1180	1175	1184	1182	112
15°	1115	1114	1117	1138	1143	314
25°	998	1003	1018	1054	1066	459
35°	846	858	888	932	956	529
45°	674	691	730	776	802	519
55°	490	510	545	579	603	439
65°	312	327	347	350	352	310
75°	147	155	153	136	128	157
85°	33	34	34	37	38	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1188.7	1188.7	1188.7	1188.7	1188.7
2.5°	1192.8	1187.6	1180.4	1188.7	1186.6
5°	1184.5	1180.4	1175.2	1184.5	1182.4
7.5°	1173.1	1168.9	1165.8	1177.2	1176.2
10°	1156.5	1154.4	1152.3	1166.9	1167.9
12.5°	1136.8	1135.7	1136.8	1153.4	1155.4
15°	1114.9	1113.9	1117.0	1137.8	1143.0
17.5°	1089.0	1090.0	1096.3	1119.1	1124.3
20°	1061.0	1063.0	1073.4	1100.4	1108.7
22.5°	1030.9	1034.0	1046.4	1077.6	1090.0
25°	997.6	1002.8	1018.4	1053.7	1066.2
27.5°	962.3	968.6	988.3	1025.7	1042.3
30°	925.0	933.3	956.1	996.6	1015.3
32.5°	886.6	895.9	922.9	965.5	987.3
35°	846.1	857.5	887.6	932.2	956.1
37.5°	805.6	818.0	850.2	898.0	923.9
40°	762.0	775.5	811.8	860.6	887.6
42.5°	719.4	734.0	771.3	821.2	847.1
45°	673.7	691.4	729.8	776.5	802.5
47.5°	628.1	645.7	686.2	728.8	756.8
50°	581.4	601.1	641.6	681.0	708.0
52.5°	535.7	557.5	594.8	631.2	658.2
55°	490.0	509.7	545.0	579.3	603.2
57.5°	445.4	464.0	496.2	525.3	545.0
60°	401.8	418.4	446.4	468.2	482.7
62.5°	357.1	373.7	396.6	409.0	416.3
65°	312.5	327.0	346.7	349.8	351.9
67.5°	269.9	283.4	295.9	290.7	291.7
70°	227.4	238.8	245.0	234.6	233.6
72.5°	186.9	195.2	198.3	183.7	178.6
75°	147.4	154.7	152.6	136.0	127.7
77.5°	110.0	116.3	111.1	93.4	83.1
80°	76.8	79.9	75.8	61.2	58.1
82.5°	54.0	54.0	50.9	49.8	48.8
85°	33.2	34.3	34.3	37.4	38.4
87.5°	14.5	16.6	18.7	26.0	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)